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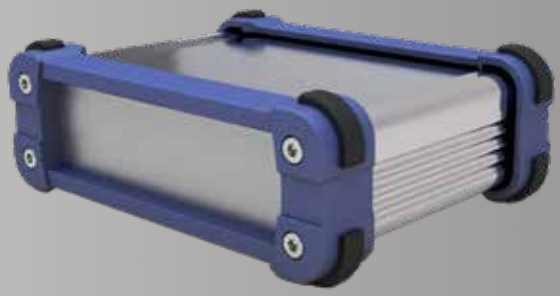

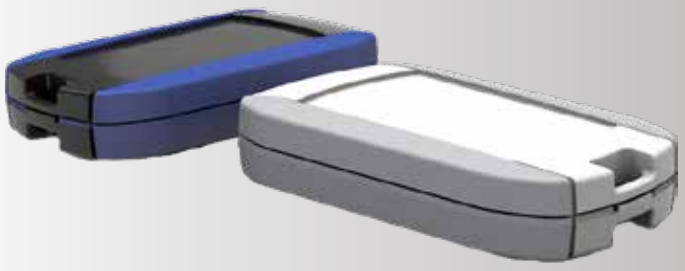

Bedeutung der IP-Codes (Schutzart) nach IEC 60529
Significance of the IP codes (protection grade) acc. to IEC 60529

Elektrische und elektronische Bauteile, insbesondere elektrische Antriebe von verfahrenstechnischen Komponenten, sind im Produktionsalltag oft harten Umweltbedingungen ausgesetzt. Schmutz, Staub und Feuchtigkeit lassen sich selten fernhalten. Die IP-Schutzklassen (IP = International Protection) legen fest, in welchem Umfang ein elektrisches Bauteil welchen Umwelteinflüssen ausgesetzt werden kann, ohne beschädigt zu werden oder ein Sicherheitsrisiko darzustellen.
Die Bezeichnung folgt folgendem Schema: IP XXXX
Die Buchstaben IP stehen für Schutzart und die XXXX
werden wie folgt ersetzt:
1. Stelle: Berührungsschutz/Fremdkörperschutz
2. Stelle: Wasserschutz
3. Stelle: Zusätzlicher Berührungsschutz
4. Stelle: Ergänzende Buchstaben (wobei die 3. und 4. Stelle nicht unbedingt angegeben werden müssen)
Die Bezeichnung folgt folgendem Schema: IP XXXX
Wenn für die Kennzeichnung die 1. oder 2. Stelle nicht von Bedeutung ist, so wird sie durch ein X ersetzt.

Electrical and electronic components, in particular electric drives of process components are often subjected to harsh environmental conditions in daily production. Dirt, dust and moisture can rarely stay away. The IP protection classes (IP = International Protection) determine the extent to which an electrical component can be exposed to what environmental factors without being damaged or present a safety risk.
The name follows the following pattern: IP XXXX

The letters stand for IP protection and the XXXX
be replaced as follows:
1. position: shock protection / foreign body protection
2. position: water conservation
3. position: additional shock protection
4. position: supplementary letters (the 3rd and 4th place need not be necessarily specified)
The name follows the following pattern: IP XXXX
If the labelling of the 1st or 2nd place is not important, it is replaced by an X.

Tabelle 1: Berührungs- und Fremdkörperschutz
Table 1: touch- and foreign substances protection grade

1. Kennziffer 1. Ref. number	Benennung – Erklärung Designation - Explanation
0	Nicht geschützt No protection
1	Geschützt gegen feste Fremdkörper 50 mm Durchmesser und größer: Die Objektsonde (Kugel 50 mm) darf nicht voll eindringen Protected against solid foreign objects of 50 mm diameter and larger: The probe (a ball 50 mm) may not fully penetrate
2	Geschützt gegen feste Fremdkörper 12,5 mm Durchmesser und größer: Die Objektsonde (Kugel 12,5 mm) darf nicht voll eindringen Hinweis: Typischerweise die Lüftungsschlitze in einem PC-Netzteilgehäuse ... Protected against solid foreign objects of 12.5 mm diameter and larger: The object probe (ball 12.5 mm) may not fully penetrate Note: typically, the ventilation slots in a PC power supply housing ...
3	Geschützt gegen feste Fremdkörper 2,5 mm Durchmesser: Die Objektsonde (Kugel 2,5 mm) darf überhaupt nicht eindringen Protected against solid foreign objects of 2.5 mm diameter: The object probe (ball 2.5 mm) shall not penetrate
4	Geschützt gegen feste Fremdkörper 1 mm und größer: Die Objektsonde (Kugel 1 mm) darf überhaupt nicht eindringen Protected against solid foreign objects of 1 mm and larger: The object probe (ball 1 mm) shall not penetrate
5	Staubgeschützt: Eindringen von Staub ist nicht vollständig verhindert, aber Staub darf nicht in einer solchen Menge eindringen, dass das Arbeiten des Gerätes oder die Sicherheit beeinträchtigt wird Dust proof: Ingress of dust is not totally prevented, but dust must not enter in sufficient quantity that the operation of the device or to impair safety
6	Staubdicht: Kein Eindringen von Staub bei einem Unterdruck von 20 mbar im Gehäuse Dust-tight: no ingress of dust at a reduced pressure of 20 mbar inside the enclosure

Kennbuchstaben für die 3. Stelle
Identifying letters for the 3th place

A	Handrückenschutz oder Gegenstände mit Durchmesser >50 mm Back of hand protection or objects with diameter> 50 mm
B	Fingerschutz gegen Finger mit Durchmesser >12 mm und bis 80 mm Länge Finger protection against finger with diameter> 12 mm and 80 mm length
C	Werkzeugschutz gegen Werkzeug mit Durchmesser >2,5 mm und bis 100 mm Länge Tool protection tool with diameter> 2.5 mm and 100 mm length
D	Drahtschutz gegen Drähte mit Durchmesser >1 mm und bis 100 mm Länge Wire protection against wires with diameter > 1 mm and 100 mm length

Kennbuchstaben für die 4. Stelle
Identifying letters for the 4th place

H	Hochspannungs-Betriebsmittel High-voltage electrical equipment
M	Geprüft, wenn bewegliche Teile in Betrieb sind Checked if moving parts are in operation
S	Geprüft, wenn bewegliche Teile im Stillstand sind Checked, if moving parts are at a standstill
W	Geprüft bei festgelegten Wetterbedingungen Tested under specified weather conditions

Tabelle 2: Wasserschutz
Table 2: water protection grade

2. Kennziffer 2. Ref. number	Benennung – Erklärung Designation - Explanation
0	Kein Schutz No protection
1	Geschützt gegen Tropfwasser: Senkrecht fallende Tropfen dürfen keine schädlichen Wirkungen haben Protected against dripping water: vertically falling drops shall have no harmful effects
2	Geschützt gegen Tropfwasser, wenn das Gehäuse bis zu 15° geneigt ist: Senkrecht fallende Tropfen dürfen keine schädlichen Wirkungen haben, wenn das Gehäuse um einen Winkel bis zu 15° beiderseits der Senkrechten geneigt ist Protected against dripping water when the enclosure is tilted up to 15 °: Vertically falling drops shall have no harmful effects when the enclosure is tilted at an angle up to 15 ° from the vertical
3	Geschützt gegen Sprühwasser: Wasser, das in einem Winkel bis zu 60° beiderseits der Senkrechten gesprüht wird, darf keine schädlichen Wirkungen haben Protected against spraying water: water that is sprayed at an angle up to 60 ° from the vertical shall have no harmful effects
4	Geschützt gegen Spritzwasser: Wasser, das aus jeder Richtung gegen das Gehäuse spritzt, darf keine schädlichen Wirkungen haben Protected against splashing water: water splashing from any direction against the enclosure shall have no harmful effects
5	Geschützt gegen Strahlwasser: Wasser, das aus jeder Richtung als Strahl gegen das Gehäuse gerichtet ist, darf keine schädlichen Wirkungen haben Hinweis: Entspricht ca. 12,5 Liter/Minute (Gartenschlauch). Testzeitraum ca. 5 Minuten (Angabe ohne Gewähr) Protected against water jets. Water which is directed from any direction jets against the enclosure shall have no harmful effects Note: equivalent to approximately 12.5 liters / minute (garden hose). Test period is about 5 minutes (Details without guarantee)
6	Geschützt gegen starkes Strahlwasser: Wasser, das aus jeder Richtung als starker Strahl gegen das Gehäuse gerichtet ist, darf keine schädlichen Wirkungen haben Protected against strong jets of water: Water that is directed from any direction in powerful jets against the enclosure shall have no harmful effects
7	Geschützt gegen die Wirkungen beim zeitweiligen Untertauchen in Wasser: Wasser darf nicht in einer Menge eintreten, die schädliche Wirkungen verursacht, wenn das Gehäuse unter genormten Druck- und Zeitbedingungen zeitweilig im Wasser untergetaucht ist Protected against the effects of temporary immersion in water: Water must not enter in an amount that causes harmful effects when the enclosure is immersed under standardized pressure and time conditions in the water
8	Geschützt gegen die Wirkungen beim dauernden Untertauchen in Wasser: Wasser darf nicht in einer Menge eintreten, die schädliche Wirkungen verursacht, wenn das Gehäuse dauernd unter Wasser getaucht ist unter Bedingungen, die zwischen Hersteller und Anwender vereinbart werden. Die Bedingungen müssen jedoch schwieriger sein als für Kennziffer 7 Protected against the effects of continuous immersion in water: Water must not enter in an amount that causes harmful effects if the housing is constantly immersed in water under conditions to be agreed between manufacturer and user. These conditions must be more difficult than for code 7

Die Gradangaben beziehen sich auf den Einfallwinkel des Wassers gegen die Senkrechte.
Alle Angaben ohne Gewähr.
Sofern eine Schutzart bei unseren Produkten angegeben ist, bezieht sich diese auf das unbearbeitete Gehäuse. Für die Einhaltung der Schutzart ist der Anwender verantwortlich.

The degree of information refers to the angle of incidence of the water from the vertical.
All information without guarantee.
If a protection is specified in our products, it refers to the unfinished housing. For maintaining the protection is of the user's responsibility.

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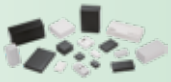

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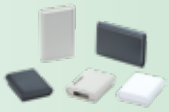

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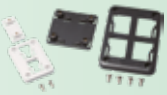

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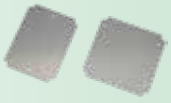

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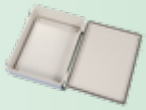

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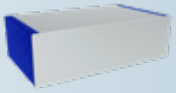

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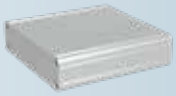

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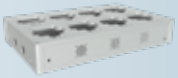

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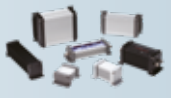

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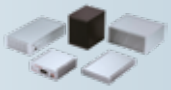

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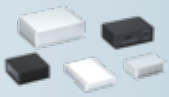

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Universal Aluminium Case with Corner Guard
Pages 308 - 309

MCG Serie
Aluminiumgehäuse mit Schutzecken
Seiten 310 - 311

Series MCG
Aluminium Case with Corner Guard
Pages 310 - 311

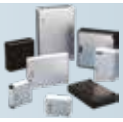
FC Serie
Kontrollgehäuse
Seiten 312 - 319

Series FC
Control Box
Pages 312 - 319

FCH Serie
Kontrollgehäuse mit Tragegriff
Seiten 320 - 325

Series FCH
Control Box with Carrying Handle
Pages 320 - 325

FCW Serie
Kontrollgehäuse mit Tür
Seiten 326 - 329



Series FCW
open-closing Control Box
Pages 326 - 329

MS Serie
Tischgehäuse
Seiten 330 - 333

Series MS
Desktop Enclosure
Pages 330 - 333

CF Serie
Pultgehäuse
Seiten 334 - 335

Series CF
Sloped Enclosure
Pages 334 - 335

Serie WSC - IP67
abgeschrägtes Kunststoffgehäuse

NEW

WSC Series - IP67
Sloped Plastic Case

IP67

Technische Daten
Schutzklasse: IP67 Temperaturbereich : -10°C ~ +60°C Empfohlenes Drehmoment : 0.2 ~ 0.3N • m

Technical Data
Protection class : IP67 Operating temperature : -10°C ~ +60°C Recommended torque : 0.2 ~ 0.3N • m

- Geeignet für Deskop Controller Anwendungen oder medizinische Meßgeräte.
- Stromlinienförmiges Design ermöglicht ebenfalls den Einsatz von mobilen Anwendungen.
- IP67 Schutzart schützt ihre Elektronik vor Spritzwasser und ermöglicht den Einsatz im Außenbereich.

- Suitable as a desktop controller or measurement instrument with its ergonomic design.
- Streamlined shape enables the unit to be gripped better when used as a handheld instrument.
- IP67 protection class allows the unit to be used outdoors or under environments with water splashes, such as medical, research or measurement equipments.

Komponenten

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Oberschale	1	schwer entflammbar ABS UL94V-0	weiß • schwarz
2	Unterschale	1	schwer entflammbar ABS UL94V-0	weiß • schwarz
3	Dichtung	1	Silikon	schwarz
4	Schraube	4	Edelstahlschraube M2.5-8	unbehandelt
5	Gummifüße	4	Polyurethane	Transparent

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top Cover	1	Flame-resistant ABS UL94V-0	off white • black
2	Bottom base	1	Flame-resistant ABS UL94V-0	off white • black
3	Gasket	1	Silicone	black
4	Screw	4	Stainless steel binding head screw M2.5-8	Unfinished
5	Rubber feet	4	Polyurethane	Transparent

Zubehör (optional erhältlich)

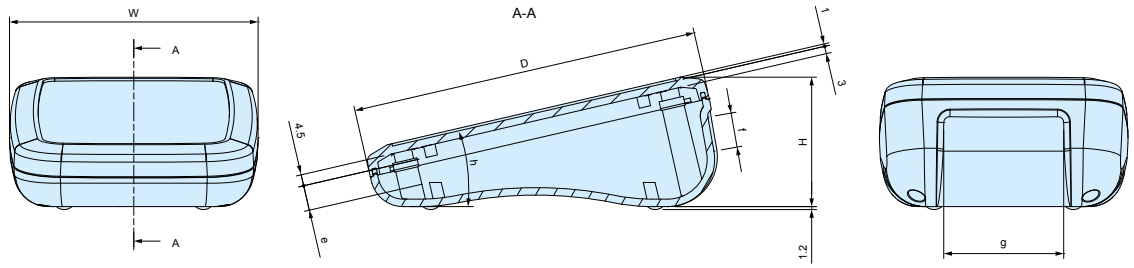
(optional parts) Accessories

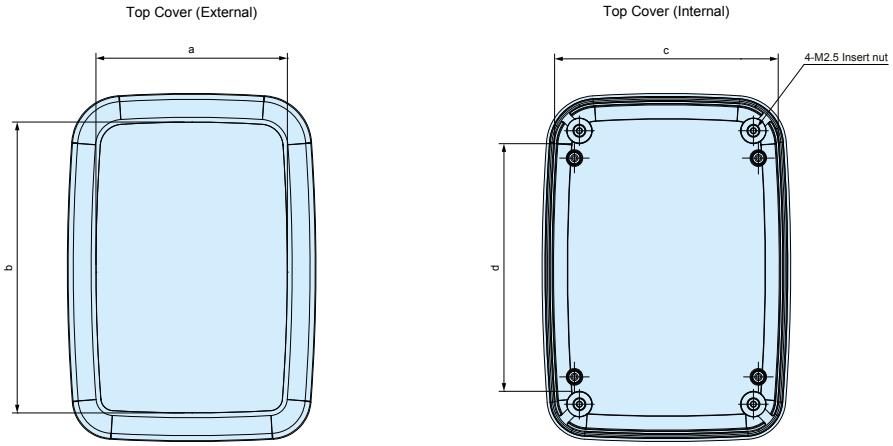
PCB Montageschraube
PCB mounting screw EM series

Kabeldurchführung
Cable gland

TORX Schraube Serie MR
TORX screw MR series

WSC Maße — WSC Dimensions

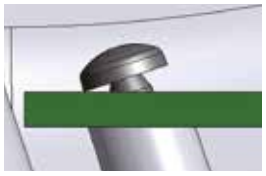




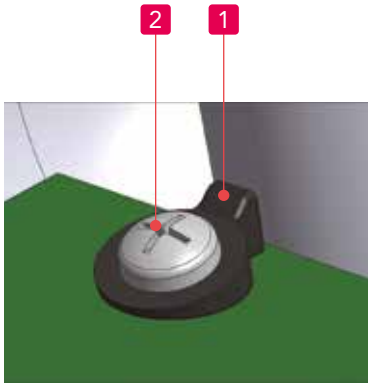
Best-Nr. /Maße - Product no. / Dimensions

Best-Nr. - Product no.		Maße - Dimensions										Face angle
○ weiß - off white	● schwarz - black	W	D	H	a	b	c	d	e	f	g	h
NEW WSC10-14-5W	NEW WSC10-14-5B	100	140	52	77	117	87	100	10	13.9	48.2	13°
NEW WSC10-14-7W	NEW WSC10-14-7B	100	140	72	77	117	87	100	22	27.4	48.2	18°
NEW WSC14-14-5W	NEW WSC14-14-5B	140	140	52	117	117	128	100	10	13.8	80.5	13°
NEW WSC14-14-7W	NEW WSC14-14-7B	140	140	72	117	117	128	100	22	27.4	80.5	18°
NEW WSC18-14-5W	NEW WSC18-14-5B	175	140	52	152	117	163	95	11.3	13.8	103.5	13°
NEW WSC18-14-7W	NEW WSC18-14-7B	175	140	72	152	117	163	95	23.7	27.4	103.5	18°

WSP-M2.3 geneigte Abstandshalter — NEW — WSP-M2.3 inclined Spacer



- Aufgrund der abgeschrägten Form vereinfacht der geneigte Abstandshalter die Montage der Leiterplatte. Durch den Einsatz der Serie WSP-M2.3 wird der Zwischenraum zwischen Schraube und Leiterplatte gefüllt.
- EM-2.3-8 dienen als PCB-Montageschraube für die Abstandshalter in der Bodenschale.



- Due to the sloped shape of the WSC series, boss-tops are also angled. So when mounting PCB on, some gap between the screw head and PCB surface will be generated as shown the diagram. WSP-M2.3 helps to fill the gap.
- EM-2.3-8 as PCB mounting screws are available for bosses in bottom base.

Komponenten - Components

No.	Bezeichnung - Part name	Stück- Pcs	Material	Farbe / Oberfläche - Color / Finish
1	geneigter Abstandshalter - Inclined spacer	4	POM	schwarz - black
2	Schraube - Screw (Tapping M2.3-8)	4	Stahl - Steel	chromatiert - Trivalent chromate

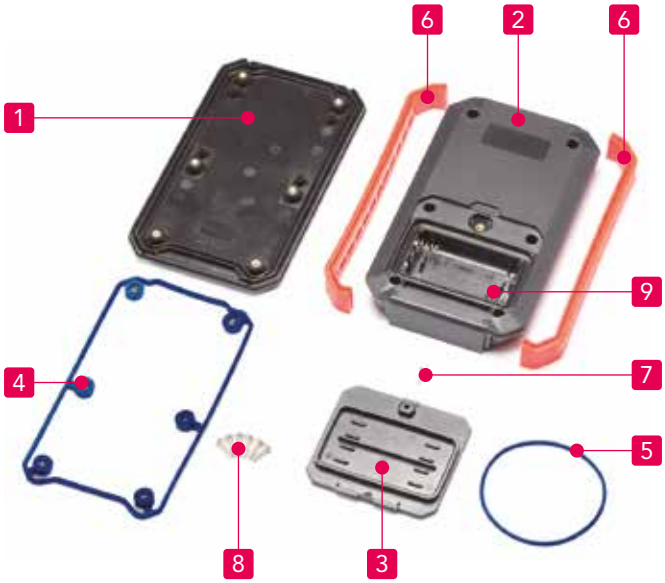
- Drehmoment - Torque 0.1N • m

Best-Nr. / Details - Product no. / Details

Best-Nr. - Product no.	geeignetes Gehäuse - suitable enclosures	Stück - Pcs
NEW WSP-M2.3	WSC (für Bodenschale - for bottom base PCB boss)	4

Serie WH

Series WH



- Modernes und elegantes Design mit abgeschrägten Kanten.
- Schutzklasse IP67.
- Aus schwer entflammbarem Material ABS UL94V-0.
- 8 verschiedene Batteriefächer verfügbar: AAA x 2, AAA x 3, AAA x 4, AA x 2, AA x 3, AA x 4, AA x 6 und ohne Batteriefach.
- Die TPE Seitengriffe dienen als Fallschutz und ermöglichen eine sichere Handhabung; Seitengriffe erhältlich in fünf verschiedenen Farben.

- Stylish and elegantly designed with chamfered edge construction.
- IP67 class enclosure.
- Manufactured from flame-resistant ABS UL94V-0.
- 8 different internal compartment types are available: AAA x 2, AAA x 3, AAA x 4, AA x 2, AA x 3, AA x 4, AA x 6 and no battery type. Battery compartments have positive (+) / negative (-) pole mark to prevent incorrect insertion.
- The TPE side grips are available in 5 unique colors, and functions as an anti-slip grip pad and drop impact protection.

Komponenten

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Oberschale	1	ABS UL94V-0	weiß • schwarz
2	Unterschale	1	ABS UL94V-0	weiß • schwarz
3	Batterie Abdeckung (nicht für N-Variante)	1	ABS UL94V-0	weiß • schwarz
4	Dichtung	1	Silikon	N • F2 • F3 • M4 Typ: schwarz M2 Typ: blau M3 • F4 Typ: lichtgrau
5	O-Ring (nicht für N-Variante)	1	Silikon	
6	Seitengriff	2	TPE	schwarz • lichtgrau • navy • rot • gelb
7	Batterie Abdeckung Schraube (nicht für N-Variante)	1	Edelstahl M2.5-6	unbehandelt
8	Schraube	6	Edelstahl M2.5-10	unbehandelt
9	Batteriekontakt (nicht für N-Variante)	1 set	Messing	vernickelt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94V-0	Off-white • Black
2	Bottom cover	1	ABS UL94V-0	Off-white • Black
3	Battery cover (None for N-type)	1	ABS UL94V-0	Off-white • Black
4	Gasket	1	Silicone	N • F2 • F3 • M4 type: Black M2 type: Blue M3 • F4 type: Light gray
5	O-ring (None for N-type)	1	Silicone	
6	Side grip	2	TPE	Black • Light gray • Navy • Red • Yellow
7	Battery cover screw (None for N-type)	1	Stainless steel M2.5-6	Unfinished
8	Screw	6	Stainless steel M2.5-10	Unfinished
9	Battery contact (None for N-type)	1 set	Brass	Nickel plated

WH Zubehör — WH Accessoires

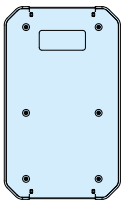
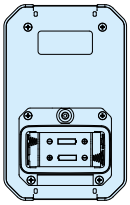
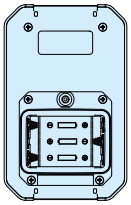
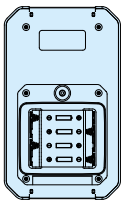
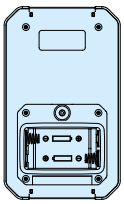
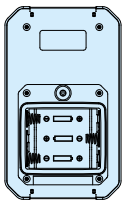
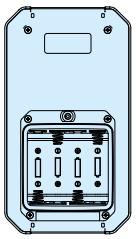
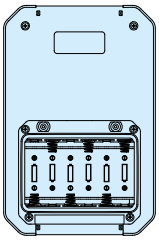
PCB Montageschraube
PCB mounting screw
Serie EM-2.3 / Series EM-2.3

Kabelverschraubung
Cable gland

Abstandsbolzen
Tapping standoff
Serie TPS / Series TPS

Neodym Magnet
Neodymium magnet
Serie NMG / Series NMG

Batteriefach Typen - Type Battery Compartments

Type	N None	F2 AAA x 2	F3 AAA x 3	F4 AAA x 4	M2 AA x 2	M3 AA x 3	M4 AA x 4	M6 AA x 6
Batteriefächer Battery compartment								

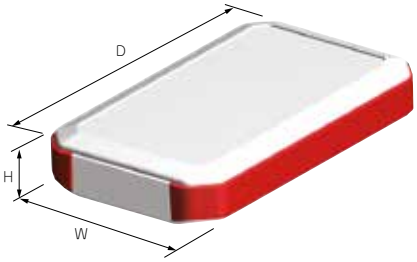
Farbvarianten - Color Types

Code	BB schwarz / schwarz BB Black / Black	BL schwarz / lichtgrau BL Black / Light gray	BN schwarz / navy BN Black / Navy	BR schwarz / rot BR Black / Red	BY schwarz / gelb BY Black / Yellow
Farbe Color					
Code	WB weiß / schwarz WB Off-White / Black	WL weiß / lichtgrau WL Off-White / Light gray	WN weiß / navy WN Off-White / Navy	WR weiß / rot WR Off-White / Red	WY weiß / gelb WY Off-White / Yellow
Farbe Color					

Bestellnummer / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
- Please suffix color code at the end of the product number.

Best-Nr. Product no.	W	H	D	Batteriefach Battery compartment	Gewicht (g) Weight (g)
WH125-20-N -□□	79	20	126	None	101.0
WH125-20-F2 -□□	79	20	126	AAA x 2	102.0
WH125-20-F3 -□□	79	20	126	AAA x 3	109.0
WH125-28-N -□□	79	28	126	None	119.0
WH125-28-F2 -□□	79	28	126	AAA x 2	121.0
WH125-28-F3 -□□	79	28	126	AAA x 3	127.0
WH145-20-N -□□	88	20	146	None	125.5
WH145-20-F4 -□□	88	20	146	AAA x 4	129.5
WH145-25-N -□□	88	25	146	None	137.5
WH145-25-M2-□□	88	25	146	AA x 2	161.5
WH145-25-M3-□□	88	25	146	AA x 3	159.5
WH145-33-N -□□	88	33	146	None	162.0
WH145-33-M2-□□	88	33	146	AA x 2	180.5
WH145-33-M3-□□	88	33	146	AA x 3	181.5
WH170-25-N -□□	95	25	171	None	169.0
WH170-25-M4-□□	95	25	171	AA x 4	195.0
WH170-33-N -□□	95	33	171	None	191.0
WH170-33-M4-□□	95	33	171	AA x 4	220.0
NEW WH190-25-N -□□	126	25	191	None	226.0
NEW WH190-25-M6-□□	126	25	191	AA x 6	276.0
NEW WH190-33-N -□□	126	33	191	None	252.0
NEW WH190-33-M6-□□	126	33	191	AA x 6	307.0



Technische Daten

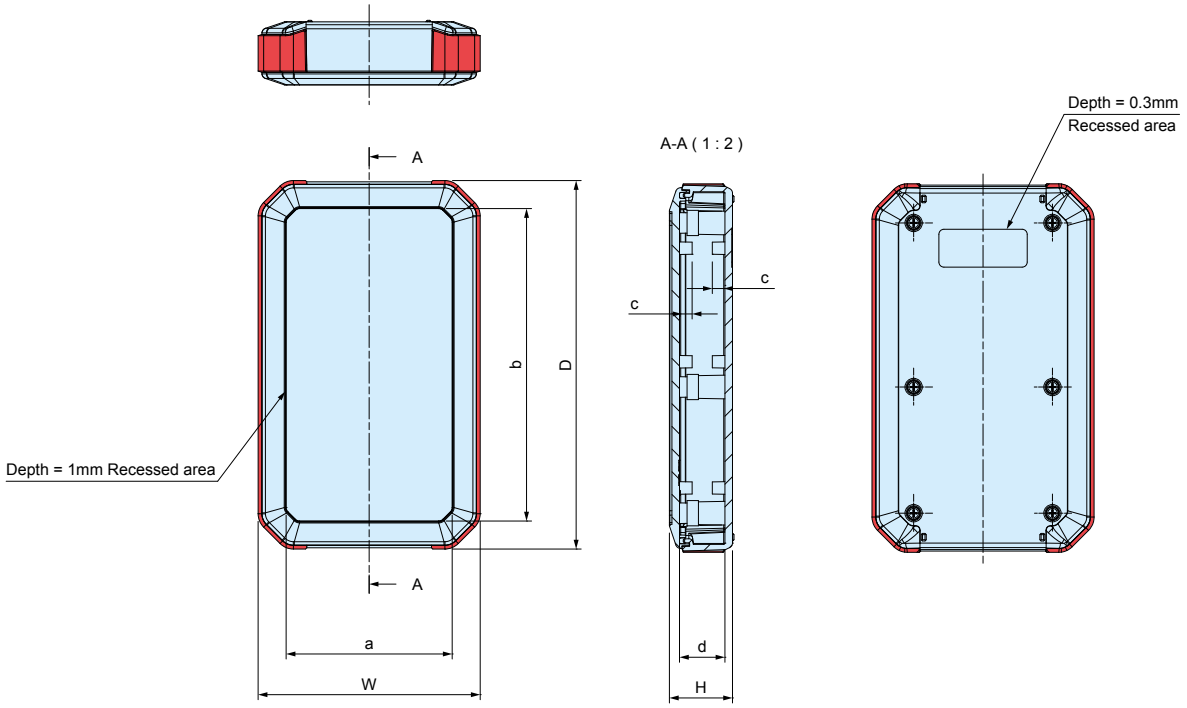
Schutzklasse: IP67
Temperaturbereich: -10°C ~ +60°C
Empfohlenes Drehmoment:
0.2N • m ~ 0.3N • m
(2kgf • cm ~ 3kgf • cm)

Technical Data

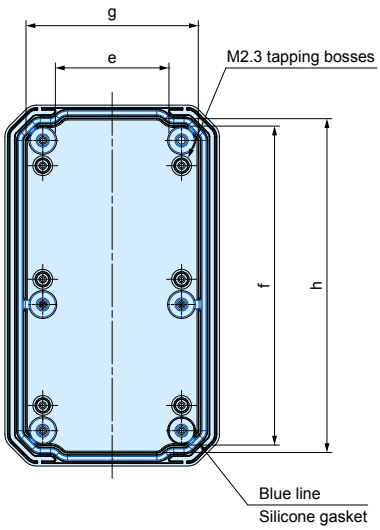
Protection class: IP67
Operating temperature: -10°C ~ +60°C
Recommended torque:
0.2N • m ~ 0.3N • m
(2kgf • cm ~ 3kgf • cm)

WH Maße WH Dimensions

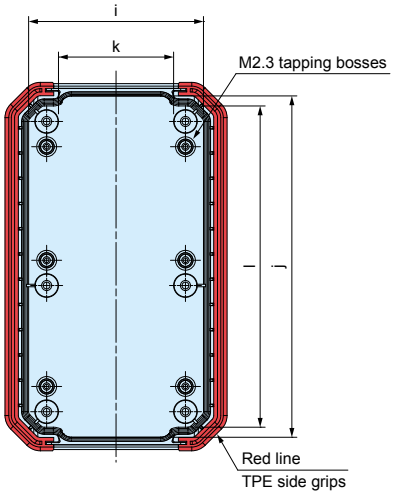
WH125-20-N / WH125-28-N
WH145-20-N / WH145-25-N / WH145-33-N
WH170-25-N / WH170-33-N / WH190-25-N / WH190-33-N



Top cover (Internal)



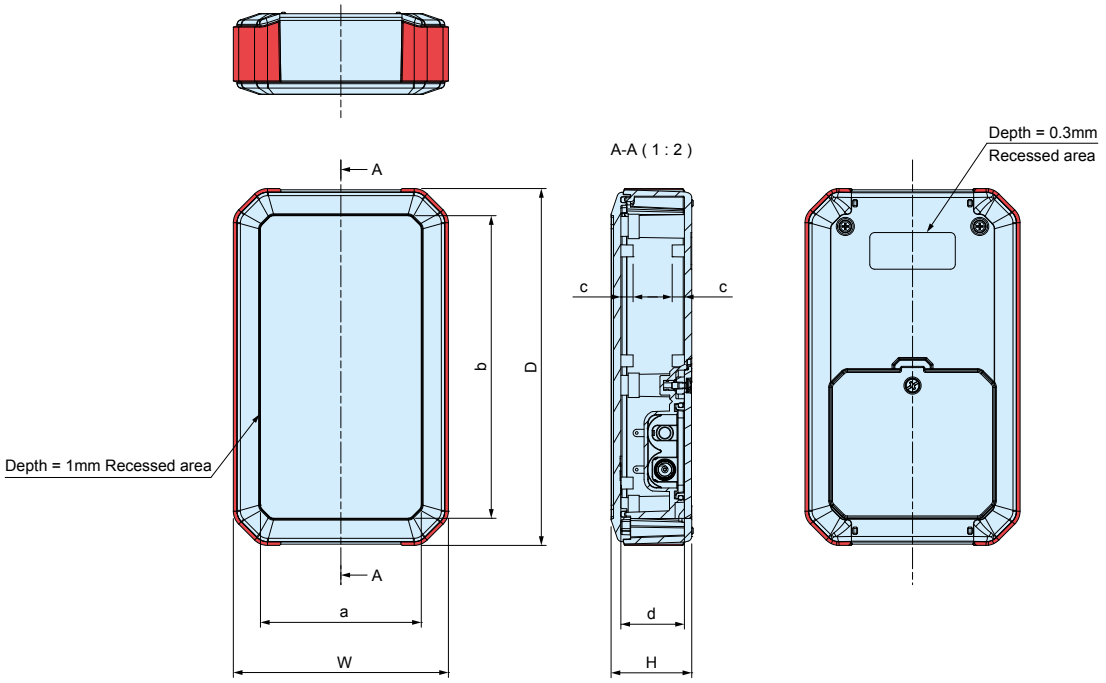
Bottom cover (Internal)

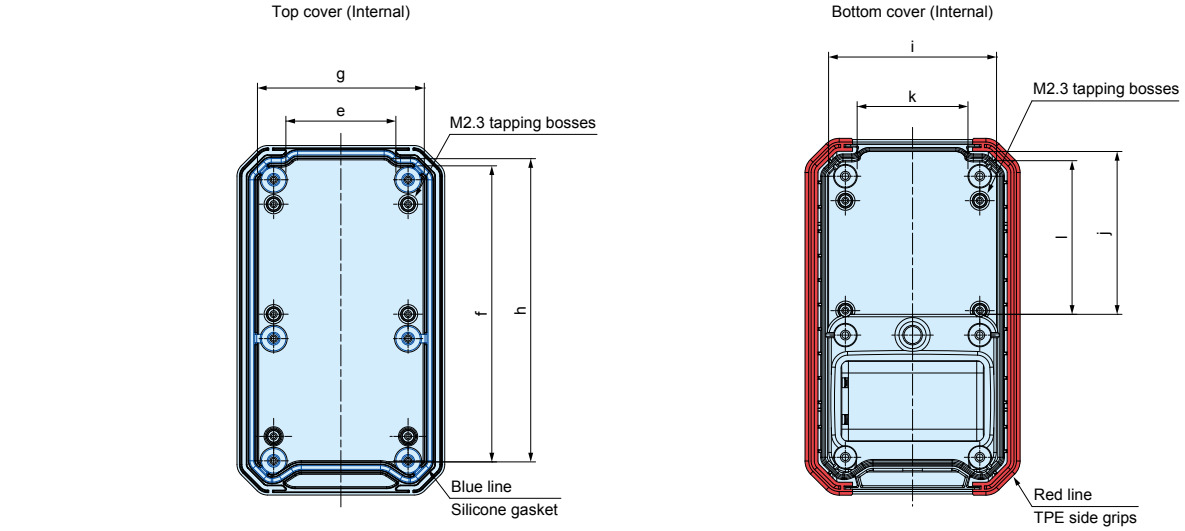


Best-Nr. Product no.	W W	H H	D D	a a	b b	c c	d d	e e	f f	g g	h h	i i	j j	k k	l l
WH125-20-N-□□	79	20	126	58.8	105.8	4	13	39	107	60	112.6	61.6	115.8	39	108
WH125-28-N-□□	79	28	126	58.8	105.8	4	21	39	107	60	112.6	61.1	115.8	39	108
WH145-20-N-□□	88	20	146	65.8	123.8	5	13	45	125.2	68.3	132.3	69.6	135.2	45	127.6
WH145-25-N-□□	88	25	146	65.8	123.8	5	18	45	125.2	68.3	132.3	69.3	135.2	45	127.2
WH145-33-N-□□	88	33	146	65.8	123.8	5	26	45	125.2	68.3	132.3	68.7	135.2	45	126.7
WH170-25-N-□□	95	25	171	69.6	145.6	5	18	51	150	74.4	156	77.3	159.8	50.6	152
WH170-33-N-□□	95	33	171	69.6	145.6	5	26	51	150	74.4	156	76.7	159.8	50.3	151
WH190-25-N-□□	126	25	191	96	161	5	18	81	170.3	105.4	176.4	107.6	180.2	80.2	172.3
WH190-33-N-□□	126	33	191	96	161	5	26	81	170.3	105.4	176.4	107.1	180.3	79.6	171.8

WH Maße WH Dimensions

WH125-20-F2 / WH125-20-F3 / WH125-28-F2 / WH125-28-F3
WH145-20-F4 / WH145-25-M2 / WH145-25-M3 / WH145-33-M2 / WH145-33-M3
WH170-25-M4 / WH170-33-M4 / WH190-25-M6 / WH190-33-M6





Best-Nr. Product no.	W W	H H	D D	a a	b b	c c	d d	e e	f f	g g	h h	i i	j j	k k	l l
WH125-20- F2-□□	79	20	126	58.8	105.8	4	13	39	104	60	107	61.6	60.4	39	56.7
WH125-20- F3-□□	79	20	126	58.8	105.8	4	13	39	104	60	107	61.6	49.9	39	46.2
WH125-28- F2-□□	79	28	126	58.8	105.8	4	21	39	104	60	107	61.1	60.4	39	56.4
WH125-28- F3-□□	79	28	126	58.8	105.8	4	21	39	104	60	107	61.1	49.9	39	46.0
WH145-20- F4-□□	88	20	146	65.8	123.8	5	13	45	120	68.3	124.1	69.6	51.7	45	47.8
WH145-25-M2-□□	88	25	146	65.8	123.8	5	18	45	120	68.3	124.1	69.3	66.6	45	62.6
WH145-25-M3-□□	88	25	146	65.8	123.8	5	18	45	120	68.3	124.1	69.3	51.6	45	47.6
WH145-33-M2-□□	88	33	146	65.8	123.8	5	26	45	120	68.3	124.1	68.7	66.6	45	62.3
WH145-33-M3-□□	88	33	146	65.8	123.8	5	26	45	120	68.3	124.1	68.7	51.6	45	47.3
WH170-25-M4-□□	95	25	171	69.6	145.6	5	18	51	147.6	74.4	150.4	77.3	71.3	50.6	67.4
WH170-33-M4-□□	95	33	171	69.6	145.6	5	26	51	147.6	74.4	150.4	76.7	71.3	50,3	67.2
WH190-25-M6-□□	126	25	191	96	161	5	18	81	167.3	105.4	170.3	107.6	89.2	80.2	85.2
WH190-33-M6-□□	126	33	191	96	161	5	26	81	167.3	105.4	170.3	107.1	89.1	79.6	84.9

Serie LCT Handgehäuse mit stoßfestem Silikonprotektor

Series LCT hand-held case with shock-proof silicone cover

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

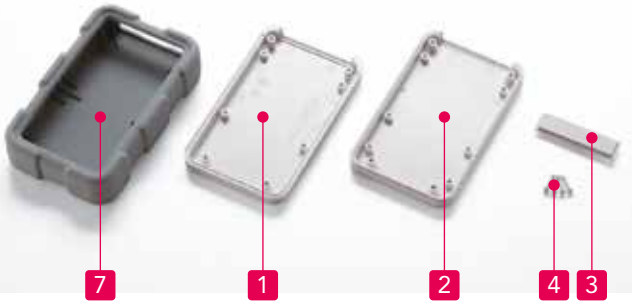
Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Kunststoffgehäuse mit stoßfestem Silikonprotektor. Schützt das Gehäuse vor Beschädigungen.
- Hergestellt aus schwer entflammbaren ABS UL94V-0 Material. Verfügbar mit verschiedenen Batteriefächern.
- Positiv (+) / Negativ (-) Markierungen innerhalb des Batteriefaches.
- Nutzbar für mobile Messgeräte, Testgeräte, Kommunikationsgeräte oder medizinische Geräte.

- Plastic case with shock-proof silicone cover. Protects the device from various impact.
- Manufactured with flame-resistant ABS UL94V-0 material. Selectable from a range of battery compartment types.
- Positive (+) / Negative (-) pole marks are incused on the inside of the battery compartments.
- Suitable for measuring instruments, test devices, wireless communication devices, medical devices and so on.

Mit Batteriefach - Battery compartment type

Ohne Batteriefach - No battery compartment type



Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Deckel	1	ABS UL94V-0	Hellgrau • Dunkelgrau
2	Boden	1	ABS UL94V-0	Hellgrau • Dunkelgrau
3	Blende	1	ABS UL94V-0	Hellgrau • Dunkelgrau
4	Schrauben (selbstschneidend)	4	Steel M2.6	Vernickelt • Schwarz chromatiert
5	Batterieabdeckung	1	ABS UL94V-0	Hellgrau • Dunkelgrau
6	Batterie Kontakt • Batterie Aufnahme	1 Satz	Messing • Messing : PVC	Vernickelt • Vernickelt : Schwarz
7	Silikonschutzprotektor	1	Silikon	Orange • Grün• Navy • Dunkelgrau • Lichtgrau

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94V-0	Off-white • Dark gray
2	Bottom cover	1	ABS UL94V-0	Off-white • Dark gray
3	Panel	1	ABS UL94V-0	Off-white • Dark gray
4	Self tapping screws	4	Steel M2.6	Nickel plated • Black trivalent chromate
5	Battery cover	1	ABS UL94V-0	Off-white • Dark gray
6	Battery contact • Battery snap	1 set	Brass • Brass : PVC	Nickel plated • Nickel plated : Black
7	Silicone cover	1	Silicone	Orange • Green • Navy • Dark gray • Light gray

Zubehör (optinal erhältlich) - Accessories (optional parts)

PCB Montageschraube
PCB mounting screw
EM-2.3

TORX Schraube
TORX screw
MR series

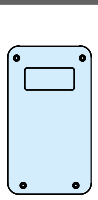
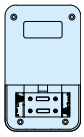
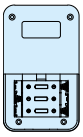
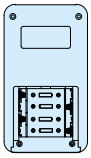
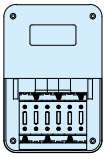
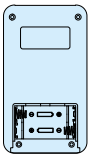
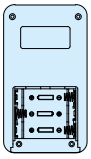
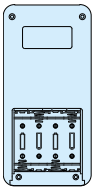
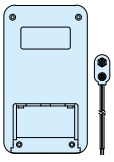
Schlüsselring
Key ring
CR-20

Trageschlaufe
Strap
STP series

Abstandsbolzen
Tapping standoff
TPS series

Zubehör (optional erhältlich) Accessories (optional parts)

Batteriefachtyp - Battery Compartment Type

Type	N None	F2 AAA x 2	F3 AAA x 3	F4 AAA x 4	F6 AAA x 6	M2 AA x 2	M3 AA x 3	M4 AA x 4	9V 9V x 1
Batteriefachtyp Battery compartment									

Farbcode - Color Type

Code	DO Dunkelgrau / Orange DO Dark gray / Orange	DG Dunkelgrau / Grün DG Dark gray / Green	DN Dunkelgrau / Navy DN Dark gray / Navy	DD Dunkelgrau / Dunkelgrau DD Dark gray / Dark gray	DL Dunkelgrau / Lichtgrau DL Dark gray / Light gray
Farbe - Color					
Code	**WO Weißgrau / Orange**	**WG Weißgrau / Grün**	**WN Weißgrau / Navy**	**WD Weißgrau / Dunkelgrau**	**WL Weißgrau / Lichtgrau**
	WO Off-white / Orange	WG Off-white / Green	WN Off-white / Navy	WD Off-white / Dark gray	WL Off-white / Light gray
Farbe - Color					

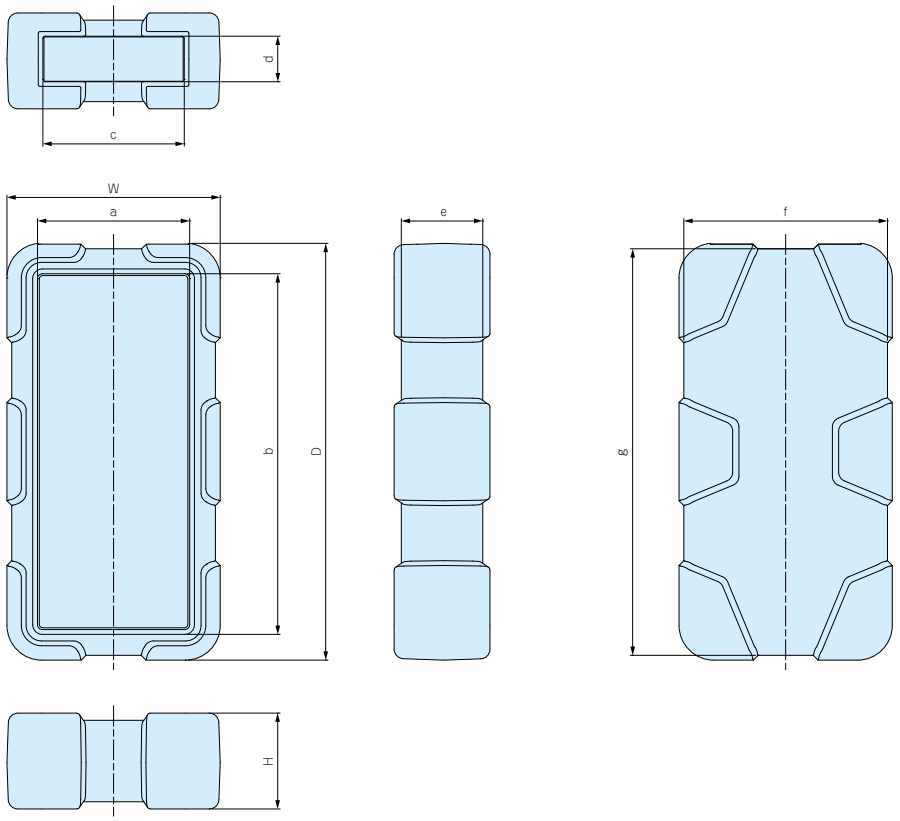
Best.-Nr. / Maße - Product no. / Dimensions

■ Bitte ergänzen Sie den Farbcode am Ende der Produktnr. - ■ Please suffix color code at the end of the product number.

	Best.-Nr. - Product no.	W	H	D	Batteriefach - Battery compartment	Gewicht - Weight (g)
	LCT115 -N -□□	76(69)	28(19.5)	121.9(115)	None	123.5
	LCT115 -F2 -□□	76(69)	28(19.5)	121.9(115)	AAA x 2	128
	LCT115 -F3 -□□	76(69)	28(19.5)	121.9(115)	AAA x 3	130
	LCT115H-N -□□	76(69)	36.5(28)	121.9(115)	None	141
	LCT115H-F2 -□□	76(69)	36.5(28)	121.9(115)	AAA x 2	145.5
	LCT115H-F3 -□□	76(69)	36.5(28)	121.9(115)	AAA x 3	147
	LCT115H-M2 -□□	76(69)	36.5(28)	121.9(115)	AA x 2	149.5
	LCT115H-9V -□□	76(69)	36.5(28)	121.9(115)	9V x 1	149
	LCT135 -N -□□	85(76)	40(27)	143.9(135)	None	210.5
	LCT135 -F4 -□□	85(76)	40(27)	143.9(135)	AAA x 4	225.5
	LCT135 -M2 -□□	85(76)	40(27)	143.9(135)	AA x 2	223.5
	LCT135 -M3 -□□	85(76)	40(27)	143.9(135)	AA x 3	229
	LCT135 -9V -□□	85(76)	40(27)	143.9(135)	9V x 1	227
	LCT135H-N -□□	85(76)	48(35)	143.9(135)	None	231.5
	LCT135H-F4 -□□	85(76)	48(35)	143.9(135)	AAA x 4	246
	LCT135H-M2 -□□	85(76)	48(35)	143.9(135)	AA x 2	245
	LCT135H-M3 -□□	85(76)	48(35)	143.9(135)	AA x 3	250
	LCT135H-9V -□□	85(76)	48(35)	143.9(135)	9V x 1	247.5
NEW	LCT145S -N -□□	105(96)	33(20)	153.9(145)	None	239.1
NEW	LCT145S -F6 -□□	105(96)	33(20)	153.9(145)	AAA x 6	259.1
NEW	LCT145 -N -□□	105(96)	40(27)	153.9(145)	None	258.5
NEW	LCT145 -F6 -□□	105(96)	40(27)	153.9(145)	AAA x 6	278.5
NEW	LCT145 -M2 -□□	105(96)	40(27)	153.9(145)	AA x 2	272.5
NEW	LCT145 -M4 -□□	105(96)	40(27)	153.9(145)	AA x 4	279.5
NEW	LCT145H-N -□□	105(96)	48(35)	153.9(145)	None	282
NEW	LCT145H-F6 -□□	105(96)	48(35)	153.9(145)	AAA x 6	302.5
NEW	LCT145H-M2 -□□	105(96)	48(35)	153.9(145)	AA x 2	296
NEW	LCT145H-M4 -□□	105(96)	48(35)	153.9(145)	AA x 4	303
	LCT165 -N -□□	89(80)	40(27)	173.9(165)	None	263.5
	LCT165 -M4 -□□	89(80)	40(27)	173.9(165)	AA x 4	283
	LCT165H-N -□□	89(80)	48(35)	173.9(165)	None	286
	LCT165H-M4 -□□	89(80)	48(35)	173.9(165)	AA x 4	305

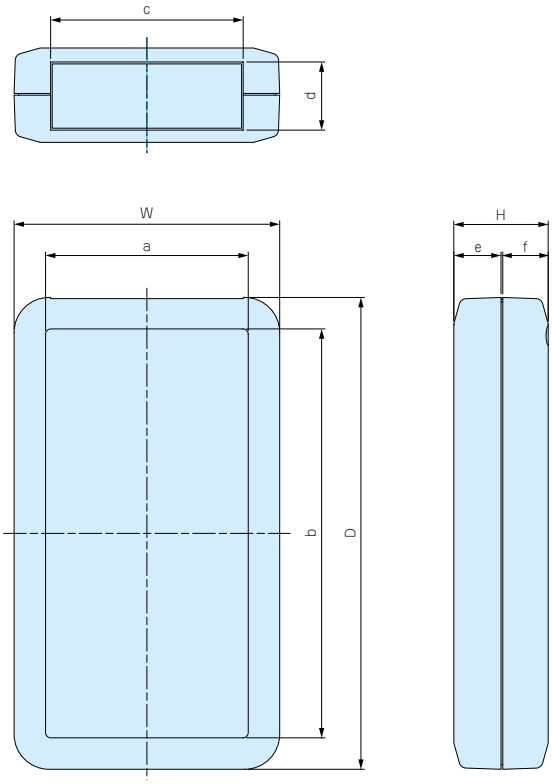
■ ( ) Klammerwert = Gehäusemaße. - ■ ( ) value = enclosure dimension.

Silikonprotektor Maße — Silicone cover dimensions



Best.-Nr. - Product no.	W	H	D	a	b	c	d	e	f	g
LCT115 -N -□□	76	28	121.9	55.5	101.5	48.3	12	24	72	117.8
LCT115 -F2 -□□	76	28	121.9	55.5	101.5	48.3	12	24	72	117.8
LCT115 -F3 -□□	76	28	121.9	55.5	101.5	48.3	12	24	72	117.8
LCT115H -N -□□	76	36.5	121.9	55.5	101.5	48.3	20.5	32.5	72	117.8
LCT115H -F2 -□□	76	36.5	121.9	55.5	101.5	48.3	20.5	32.5	72	117.8
LCT115H -F3 -□□	76	36.5	121.9	55.5	101.5	48.3	20.5	32.5	72	117.8
LCT115H -M2-□□	76	36.5	121.9	55.5	101.5	48.3	20.5	32.5	72	117.8
LCT115H -9V -□□	76	36.5	121.9	55.5	101.5	48.3	20.5	32.5	72	117.8
LCT135 -N -□□	85	40	143.9	59.5	118.5	55	19	34	81	139.7
LCT135 -F4 -□□	85	40	143.9	59.5	118.5	55	19	34	81	139.7
LCT135 -M2-□□	85	40	143.9	59.5	118.5	55	19	34	81	139.7
LCT135 -M3-□□	85	40	143.9	59.5	118.5	55	19	34	81	139.7
LCT135 -9V -□□	85	40	143.9	59.5	118.5	55	19	34	81	139.7
LCT135H -N -□□	85	48	143.9	59.5	118.5	55	27	42	81	139.7
LCT135H -F4 -□□	85	48	143.9	59.5	118.5	55	27	42	81	139.7
LCT135H -M2-□□	85	48	143.9	59.5	118.5	55	27	42	81	139.7
LCT135H -M3-□□	85	48	143.9	59.5	118.5	55	27	42	81	139.7
LCT135H -9V -□□	85	48	143.9	59.5	118.5	55	27	42	81	139.7
NEW LCT145S -N -□□	105	33	153.9	76.5	125.5	71	12	27	101	149.7
NEW LCT145S -F6 -□□	105	33	153.9	76.5	125.5	71	12	27	101	149.7
NEW LCT145 -N -□□	105	40	153.9	76.5	125.5	71	19	34	101	149.7
NEW LCT145 -F6 -□□	105	40	153.9	76.5	125.5	71	19	34	101	149.7
NEW LCT145 -M2-□□	105	40	153.9	76.5	125.5	71	19	34	101	149.7
NEW LCT145 -M4-□□	105	40	153.9	76.5	125.5	71	19	34	101	149.7
NEW LCT145H -N -□□	105	48	153.9	76.5	125.5	71	27	42	101	149.7
NEW LCT145H -F6 -□□	105	48	153.9	76.5	125.5	71	27	42	101	149.7
NEW LCT145H -M2-□□	105	48	153.9	76.5	125.5	71	27	42	101	149.7
NEW LCT145H -M4-□□	105	48	153.9	76.5	125.5	71	27	42	101	149.7
LCT165 -N -□□	89	40	173.9	63.5	148.5	59	19	34	85	169.7
LCT165 -M4-□□	89	40	173.9	63.5	148.5	59	19	34	85	169.7
LCT165H -N -□□	89	48	173.9	63.5	148.5	59	27	42	85	169.7
LCT165H -M4-□□	89	48	173.9	63.5	148.5	59	27	42	85	169.7

Gehäuse Maße — Enclosure dimensions



■ Bitte ergänzen Sie den Farbcode am Ende der Bestnr. - ■ Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	a	b	c	d	e	f	Batteriefach Battery compartment
LCT115 -N -□□	69	19.5	115	54	100	48.1	12	10	9	None
LCT115 -F2 -□□	69	19.5	115	54	100	48.1	12	10	9	AAA x 2
LCT115 -F3 -□□	69	19.5	115	54	100	48.1	12	10	9	AAA x 3
LCT115H -N -□□	69	28	115	54	100	48.1	20.5	18.5	9	None
LCT115H -F2 -□□	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 2
LCT115H -F3 -□□	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 3
LCT115H -M2-□□	69	28	115	54	100	48.1	20.5	18.5	9	AA x 2
LCT115H -9V -□□	69	28	115	54	100	48.1	20.5	18.5	9	9V x 1
LCT135 -N -□□	76	27	135	58	117	55.1	19.5	13.5	13	None
LCT135 -F4 -□□	76	27	135	58	117	55.1	19.5	13.5	13	AAA x 4
LCT135 -M2-□□	76	27	135	58	117	55.1	19.5	13.5	13	AA x 2
LCT135 -M3-□□	76	27	135	58	117	55.1	19.5	13.5	13	AA x 3
LCT135 -9V -□□	76	27	135	58	117	55.1	19.5	13.5	13	9V x 1
LCT135H -N -□□	76	35	135	58	117	55.1	27.5	21.5	13	None
LCT135H -F4 -□□	76	35	135	58	117	55.1	27.5	21.5	13	AAA x 4
LCT135H -M2-□□	76	35	135	58	117	55.1	27.5	21.5	13	AA x 2
LCT135H -M3-□□	76	35	135	58	117	55.1	27.5	21.5	13	AA x 3
LCT135H -9V -□□	76	35	135	58	117	55.1	27.5	21.5	13	9V x 1
NEW LCT145S -N -□□	96	20	145	75	124	71.1	12.5	7.5	12	None
NEW LCT145S -F6 -□□	96	20	145	75	124	71.1	12.5	7.5	12	AAA x 6
NEW LCT145 -N -□□	96	27	145	75	124	71.1	19.5	14.5	12	None
NEW LCT145 -F6 -□□	96	27	145	75	124	71.1	19.5	14.5	12	AAA x 6
NEW LCT145 -M2-□□	96	27	145	75	124	71.1	19.5	14.5	12	AA x 2
NEW LCT145 -M4-□□	96	27	145	75	124	71.1	19.5	14.5	12	AA x 4
NEW LCT145H -N -□□	96	35	145	75	124	71.1	27.5	22.5	12	None
NEW LCT145H -F6 -□□	96	35	145	75	124	71.1	27.5	22.5	12	AAA x 6
NEW LCT145H -M2-□□	96	35	145	75	124	71.1	27.5	22.5	12	AA x 2
NEW LCT145H -M4-□□	96	35	145	75	124	71.1	27.5	22.5	12	AA x 4
LCT165 -N -□□	80	27	165	62	147	59.1	19.5	13.5	13	None
LCT165 -M4-□□	80	27	165	62	147	59.1	19.5	13.5	13	AA x 4
LCT165H -N -□□	80	35	165	62	147	59.1	27.5	21.5	13	None
LCT165H -M4-□□	80	35	165	62	147	59.1	27.5	21.5	13	AA x 4

Serie LCS Handgehäuse mit Silikonprotektor

Series LCS hand-held case with silicone cover

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Kunststoffgehäuse mit Silikonprotektor bietet einen guten Halt und schützt das Gerät bei einem Sturz.
- Hergestellt aus schwer entflammbaren ABS UL94V-0 Material. Verfügbar mit verschiedenen Batteriefächern.
- Positiv (+) / Negativ (-) Markierungen innerhalb des Batteriefaches.
- Nutzbar für mobile Messgeräte, Testgeräte, Kommunikationsgeräte oder medizinische Geräte.

- Plastic case with silicone cover providing not only comfortable and anti-slip grip, but also protection from drop impact.
- Manufactured with flame-resistant ABS UL94V-0. Several battery compartment types are available.
- Positive (+) / negative (-) pole mark are incused on the inside of the battery compartments.
- Suitable for measuring instruments, test devices, wireless communication devices, medical devices and so on.

Mit Batteriefach - Battery compartment type

Ohne Batteriefach - No battery compartment type

Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Deckel	1	ABS UL94V-0	Weißgrau • Dunkelgrau
2	Boden	1	ABS UL94V-0	Weißgrau • Dunkelgrau
3	Blende	1	ABS UL94V-0	Weißgrau • Dunkelgrau
4	Schrauben (selbstschneidend	4	Steel M2.6	Vernickelt • Schwarz chromatiert
5	Batteriefachdeckel	1	ABS UL94V-0	Weißgrau • Dunkelgrau
6	Batteriekontakt • Batterieaufnahme	1 Satz	Messing • Messing: PVC	Vernickelt • Vernickelt : Schwarz
7	Silikonprotektor	1	Silikon	Rot • Gelb • Grün • Blau • Navy • Lichtgrau • Dunkelgrau

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94V-0	Off-white • Dark gray
2	Bottom cover	1	ABS UL94V-0	Off-white • Dark gray
3	Panel	1	ABS UL94V-0	Off-white • Dark gray
4	Self tapping screw	4	Steel M2.6	Nickel plated • Black trivalent chromate
5	Battery cover	1	ABS UL94V-0	Off-white • Dark gray
6	Battery contact • Battery snap	1 set	Bras • Brass : PVC	Nickel plated • Nickel plated : Black
7	Silicone cover	1	Silicone	Red • Yellow • Green • Blue • Navy • Light gray • Dark gray

Zubehör (optional erhätlich) - Accessories (optional parts)

PCB Montageschraube
PCB mounting screw
EM-2.3

TORX Schraube
TORX screw
MR series

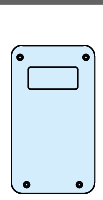
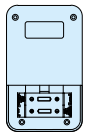
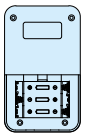
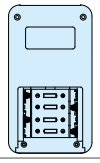
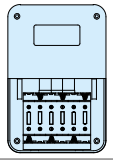
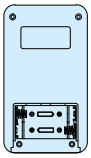
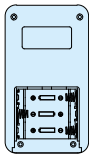
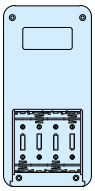
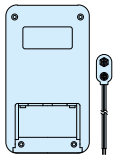
Schlüsselring
Key ring
CR-20

Tragschlaufe
Strap
STP series

Abstandsbolzen
Tapping standoff
TPS series

Zubehör (optional erhältlich) Accessories (optional parts)

Batteriefachtyp - Battery Compartment Type

Type	N None	F2 AAA x 2	F3 AAA x 3	F4 AAA x 4	F6 AAA x 6	M2 AA x 2	M3 AA x 3	M4 AA x 4	9V 9V x 1
Batteriefachtyp Battery compartment									

Farbcode - Color Type

Code	DR Dunkelgrau / Rot DR Dark gray / Red	DY Dunkelgrau / Gelb DY Dark gray / Yellow	DG Dunkelgrau / Grün DG Dark gray / Green	DB Dunkelgrau / Blau DB Dark gray / Blue	DN Dunkelgrau / Navy DN Dark gray / Navy	DD Dunkelgrau / Dunkelgrau DD Dark gray / Dark gray	DL Dunkelgrau / Lichtgrau DL Dark gray / Light gray
Farbe - Color							
Code	WR Weißgrau / Rot WR Off-white / Red	WY Weißgrau / Gelb WY Off-white / Yellow	WG Weißgrau / Grün WG Off-white / Green	WB Weißgrau / Blau WB Off-white / Blue	WN Weißgrau / Navy WN Off-white / Navy	WD Weißgrau / Dunkelgrau WD Off-white / Dark gray	WL Weißgrau / Lichtgrau WL Off-white / Light gray
Farbe - Color							

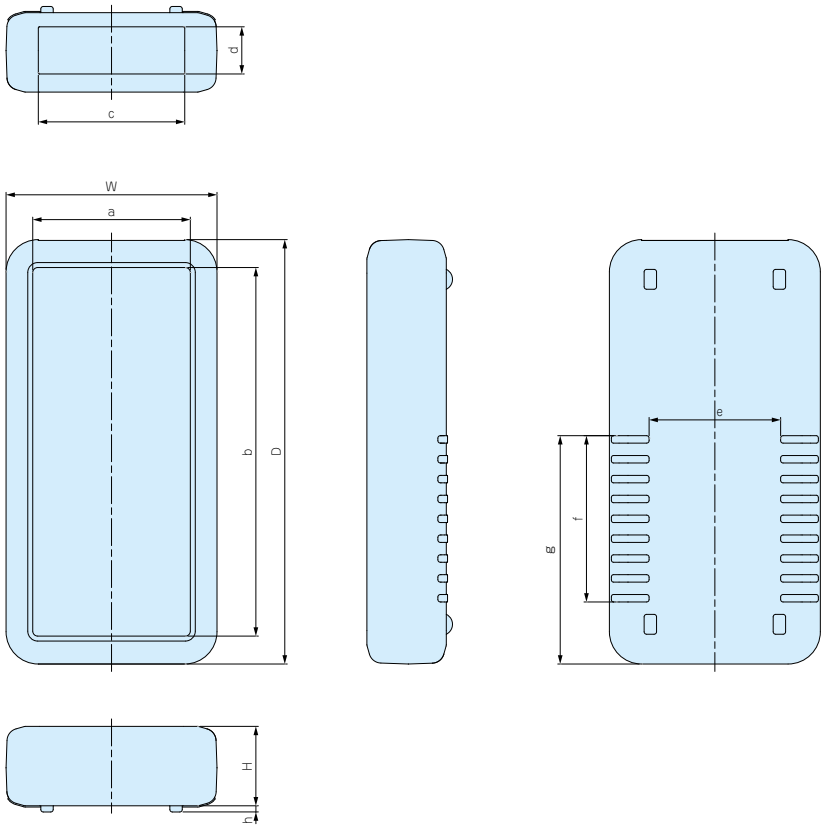
Best.-Nr. / Maße - Product no. / Dimensions

■ Bitte ergänzen Sie den Farbcode am Ende der Bestellnr. - ■ Please suffix color code at the end of the product number.

Best.-Nr. - Product no.	W	H	D	Batteriefach - Battery compartment	Gewicht - Weight (g)
LCS115 -N -□□	74(69)	24(19.5)	120(115)	None	113
LCS115 -F2 -□□	74(69)	24(19.5)	120(115)	AAA x 2	117.5
LCS115 -F3 -□□	74(69)	24(19.5)	120(115)	AAA x 3	119.5
LCS115H -N -□□	74(69)	32.5(28)	120(115)	None	130
LCS115H -F2 -□□	74(69)	32.5(28)	120(115)	AAA x 2	134.5
LCS115H -F3 -□□	74(69)	32.5(28)	120(115)	AAA x 3	136
LCS115H -M2-□□	74(69)	32.5(28)	120(115)	AA x 2	138.5
LCS115H -9V -□□	74(69)	32.5(28)	120(115)	9V x 1	138
LCS135 -N -□□	81(76)	32(27)	141(135)	None	165
LCS135 -F4 -□□	81(76)	32(27)	141(135)	AAA x 4	180
LCS135 -M2-□□	81(76)	32(27)	141(135)	AA x 2	178
LCS135 -M3-□□	81(76)	32(27)	141(135)	AA x 3	183.5
LCS135 -9V -□□	81(76)	32(27)	141(135)	9V x 1	181.5
LCS135H -N -□□	81(76)	40(35)	141(135)	None	183
LCS135H -F4 -□□	81(76)	40(35)	141(135)	AAA x 4	197.5
LCS135H -M2-□□	81(76)	40(35)	141(135)	AA x 2	196.5
LCS135H -M3-□□	81(76)	40(35)	141(135)	AA x 3	201.5
LCS135H -9V -□□	81(76)	40(35)	141(135)	9V x 1	199
NEW LCS145S -N -□□	101(96)	25(20)	151(145)	None	183.4
NEW LCS145S -F6 -□□	101(96)	25(20)	151(145)	AAA x 6	203.4
NEW LCS145 -N -□□	101(96)	32(27)	151(145)	None	202
NEW LCS145 -F6 -□□	101(96)	32(27)	151(145)	AAA x 6	222
NEW LCS145 -M2-□□	101(96)	32(27)	151(145)	AA x 2	216
NEW LCS145 -M4-□□	101(96)	32(27)	151(145)	AA x 4	223
NEW LCS145H -N -□□	101(96)	40(35)	151(145)	None	224
NEW LCS145H -F6 -□□	101(96)	40(35)	151(145)	AAA x 6	244.5
NEW LCS145H -M2-□□	101(96)	40(35)	151(145)	AA x 2	238
NEW LCS145H -M4-□□	101(96)	40(35)	151(145)	AA x 4	245
LCS165 -N -□□	85(80)	32(27)	171(165)	None	203
LCS165 -M4-□□	85(80)	32(27)	171(165)	AA x 4	222.5
LCS165H -N -□□	85(80)	40(35)	171(165)	None	220.5
LCS165H -M4-□□	85(80)	40(35)	171(165)	AA x 4	239.5

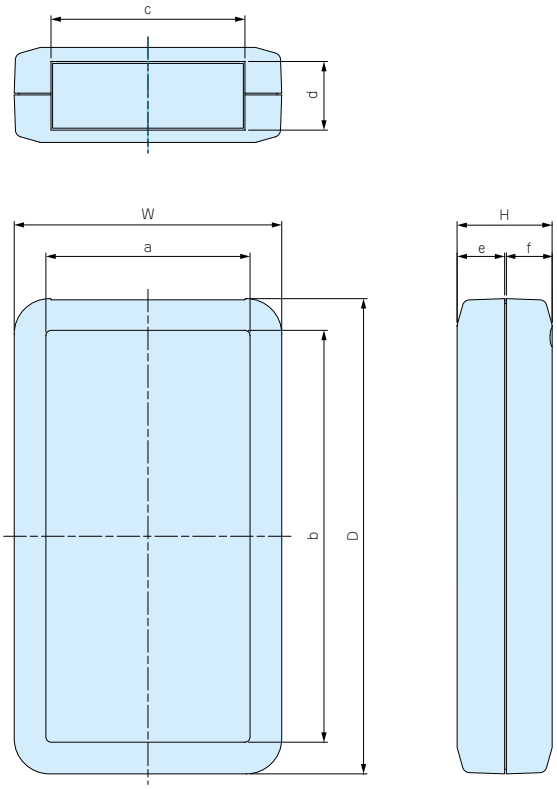
■ ( ) Klammerwert = Gehäusemaße. - ■ ( ) value = enclosure dimension.

Silikonprotektor Maße — Silicone cover dimensions



Best.-Nr. - Product no.	W	H	D	a	b	c	d	e	f	g	h
LCS115 -N -□□	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2
LCS115 -F2 -□□	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2
LCS115 -F3 -□□	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2
LCS115H -N -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H -F2 -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H -F3 -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H -M2-□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS115H -9V -□□	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2
LCS135 -N -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -F4 -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -M2-□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -M3-□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135 -9V -□□	81	32	141	59.5	118.5	55	19	53	59	79	2.5
LCS135H -N -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H -F4 -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H -M2-□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H -M3-□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS135H -9V -□□	81	40	141	59.5	118.5	55	27	53	59	79	2.5
LCS145S -N -□□	101	25	151	76.5	125.5	71	12	71	59	81	2.5
LCS145S -F6 -□□	101	25	151	76.5	125.5	71	12	71	59	81	2.5
LCS145 -N -□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145 -F6 -□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145 -M2-□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145 -M4-□□	101	32	151	76.5	125.5	71	19	71	59	81	2.5
LCS145H -N -□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS145H -F6 -□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS145H -M2-□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS145H -M4-□□	101	40	151	76.5	125.5	71	27	71	59	81	2.5
LCS165 -N -□□	85	32	171	63.5	148.5	59	19	53	67	92	2.5
LCS165 -M4-□□	85	32	171	63.5	148.5	59	19	53	67	92	2.5
LCS165H -N -□□	85	40	171	63.5	148.5	59	27	53	67	92	2.5
LCS165H -M4-□□	85	40	171	63.5	148.5	59	27	53	67	92	2.5

Gehäuse Maße — Enclosure dimensions



■ Bitte ergänzen Sie den Farbcode am Ende der Bestellnr. - ■ Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	a	b	c	d	e	f	Batteriefach Battery compartment
LCS115 -N -□□	69	19.5	115	54	100	48.1	12	10	9	None
LCS115 -F2 -□□	69	19.5	115	54	100	48.1	12	10	9	AAA x 2
LCS115 -F3 -□□	69	19.5	115	54	100	48.1	12	10	9	AAA x 3
LCS115H -N -□□	69	28	115	54	100	48.1	20.5	18.5	9	None
LCS115H -F2 -□□	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 2
LCS115H -F3 -□□	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 3
LCS115H -M2-□□	69	28	115	54	100	48.1	20.5	18.5	9	AA x 2
LCS115H -9V -□□	69	28	115	54	100	48.1	20.5	18.5	9	9V x 1
LCS135 -N -□□	76	27	135	58	117	55.1	19.5	13.5	13	None
LCS135 -F4 -□□	76	27	135	58	117	55.1	19.5	13.5	13	AAA x 4
LCS135 -M2-□□	76	27	135	58	117	55.1	19.5	13.5	13	AA x 2
LCS135 -M3-□□	76	27	135	58	117	55.1	19.5	13.5	13	AA x 3
LCS135 -9V -□□	76	27	135	58	117	55.1	19.5	13.5	13	9V x 1
LCS135H -N -□□	76	35	135	58	117	55.1	27.5	21.5	13	None
LCS135H -F4 -□□	76	35	135	58	117	55.1	27.5	21.5	13	AAA x 4
LCS135H -M2-□□	76	35	135	58	117	55.1	27.5	21.5	13	AA x 2
LCS135H -M3-□□	76	35	135	58	117	55.1	27.5	21.5	13	AA x 3
LCS135H -9V -□□	76	35	135	58	117	55.1	27.5	21.5	13	9V x 1
NEW LCS145S -N -□□	96	20	145	75	124	71.1	12.5	7.5	12	None
NEW LCS145S -F6 -□□	96	20	145	75	124	71.1	12.5	7.5	12	AAA x 6
NEW LCS145 -N -□□	96	27	145	75	124	71.1	19.5	14.5	12	None
NEW LCS145 -F6 -□□	96	27	145	75	124	71.1	19.5	14.5	12	AAA x 6
NEW LCS145 -M2-□□	96	27	145	75	124	71.1	19.5	14.5	12	AA x 2
NEW LCS145 -M4-□□	96	27	145	75	124	71.1	19.5	14.5	12	AA x 4
NEW LCS145H -N -□□	96	35	145	75	124	71.1	27.5	22.5	12	None
NEW LCS145H -F6 -□□	96	35	145	75	124	71.1	27.5	22.5	12	AAA x 6
NEW LCS145H -M2-□□	96	35	145	75	124	71.1	27.5	22.5	12	AA x 2
NEW LCS145H -M4-□□	96	35	145	75	124	71.1	27.5	22.5	12	AA x 4
LCS165 -N -□□	80	27	165	62	147	59.1	19.5	13.5	13	None
LCS165 -M4-□□	80	27	165	62	147	59.1	19.5	13.5	13	AA x 4
LCS165H -N -□□	80	35	165	62	147	59.1	27.5	21.5	13	None
LCS165H -M4-□□	80	35	165	62	147	59.1	27.5	21.5	13	AA x 4

Serie LC Kunststhoffgehäuse für Handgeräte

Series LC hand-held plastic case

Technische Daten
Schutzklase: IP40 Temperaturbereich: -10°C ~ +60°C

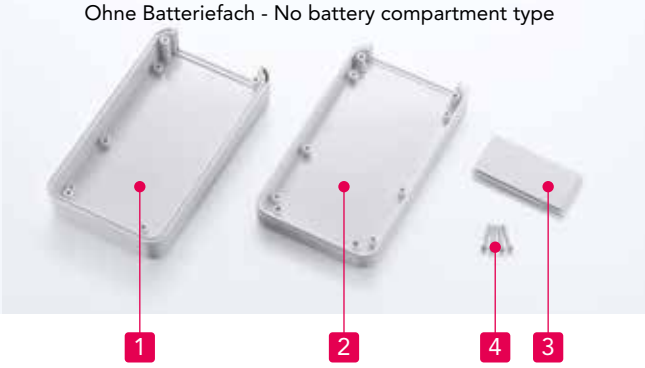
Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Designgehäuse mit abgeschrägten Ecken und runden Kanten, aus schwer entflammbaren ABS UL94V-0 Material.
- Verfügbar mit 9 verschiedenen Batteriefachtypen: AAx2, AAx3, AAx4, AAAx2, AAAx3, AAAx4, AAAx6, 9Vx1, und ohne Batteriefach.
- Positiv (+) / Negativ (-) Markierungen innerhalb des Batteriefaches.
- Nutzbar für mobile Messgeräte, Testgeräte, Kommunikationsgeräte oder medizinische Geräte.

- Designed with beveled edges and rounded corners, and manufactured from flame-retardant ABS UL94V-0 material.
- Available in 9 different compartment types: AAx2, AAx3, AAx4, AAAx2, AAAx3, AAAx4, AAAx6, 9Vx1, and no battery compartment type.
- Positive (+) / negative (-) pole mark are incused within each battery compartment.
- Recommended to be used as measurement instruments, testing devices, wireless communication gadgets, medical equipment, and so on.

Batteriefachtyp - Battery compartment type

Ohne Batteriefach - No battery compartment type



Einzelteile

Nr.	Bezeichung	Stück	Material	Farbe / Oberfläche
1	Deckel	1	ABS UL94V-0	Weißgrau • Dunkelgrau
2	Boden	1	ABS UL94V-0	Weißgrau • Dunkelgrau
3	Blende	1	ABS UL94V-0	Weißgrau • Dunkelgrau
4	Schrauben (selbstschneidend)	4	Stahl M2.6	Vernickelt • Schwarz chromatiert
5	Batteriefachdeckel	1	ABS UL94V-0	Weißgrau • Dunkelgrau
6	Batteriekontakt • Batterieaufnahme	1 Satz	Messing • Messing : PVC	Vernickelt • Vernickelt : Schwarz

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94V-0	Off-white • Dark gray
2	Bottom cover	1	ABS UL94V-0	Off-white • Dark gray
3	Panel	1	ABS UL94V-0	Off-white • Dark gray
4	Self tapping screw	4	Steel M2.6	Nickel plated • Black trivalent chromate
5	Battery cover	1	ABS UL94V-0	Off-white • Dark gray
6	Battery contact • Battery snap	1 set	Brass • Brass : PVC	Nickel plated • Nickel plated : Black

Zubehör (optional erhältlich) - Accessories (optional parts)

PCB Montageschraube
PCB mounting screw
EM-2.3

TORX Schraube
TORX screw
MR series

Abstandsbolzen
Tapping standoff
TPS series

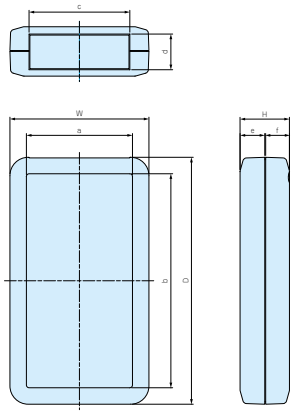
Wandmontagehalterung
Wall suspension bracket
WM series

Neodymium magnet
NMG series

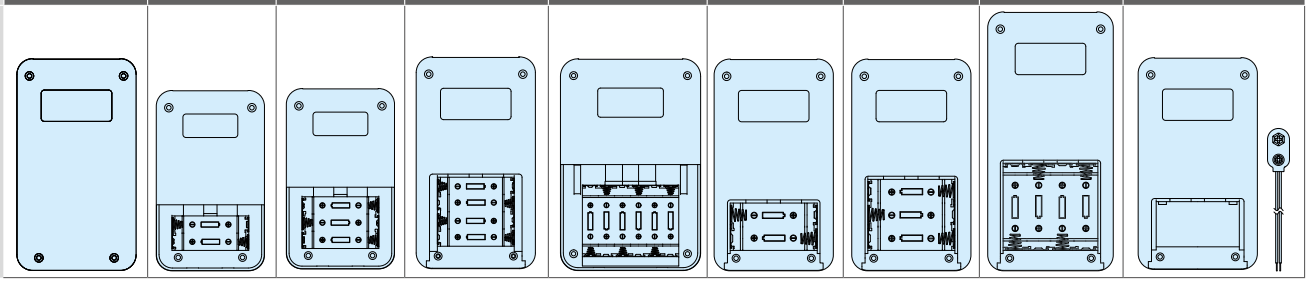
Schlüsselring Tragschlaufe
Key ring / Strap
CR • STP series

Serie LC Kunststhoffgehäuse für Handgeräte

Series LC hand-held plastic case



Batteriefachtypen - Battery Compartment Type

Typ Type	N None	F2 AAAx2	F3 AAAx3	F4 AAAx4	F6 AAAx6	M2 AAx2	M3 AAx3	M4 AAx4	9V 9Vx1
Batteriefach Battery compartment									

Best.-Nr. / Maße - Product no. / Dimensions

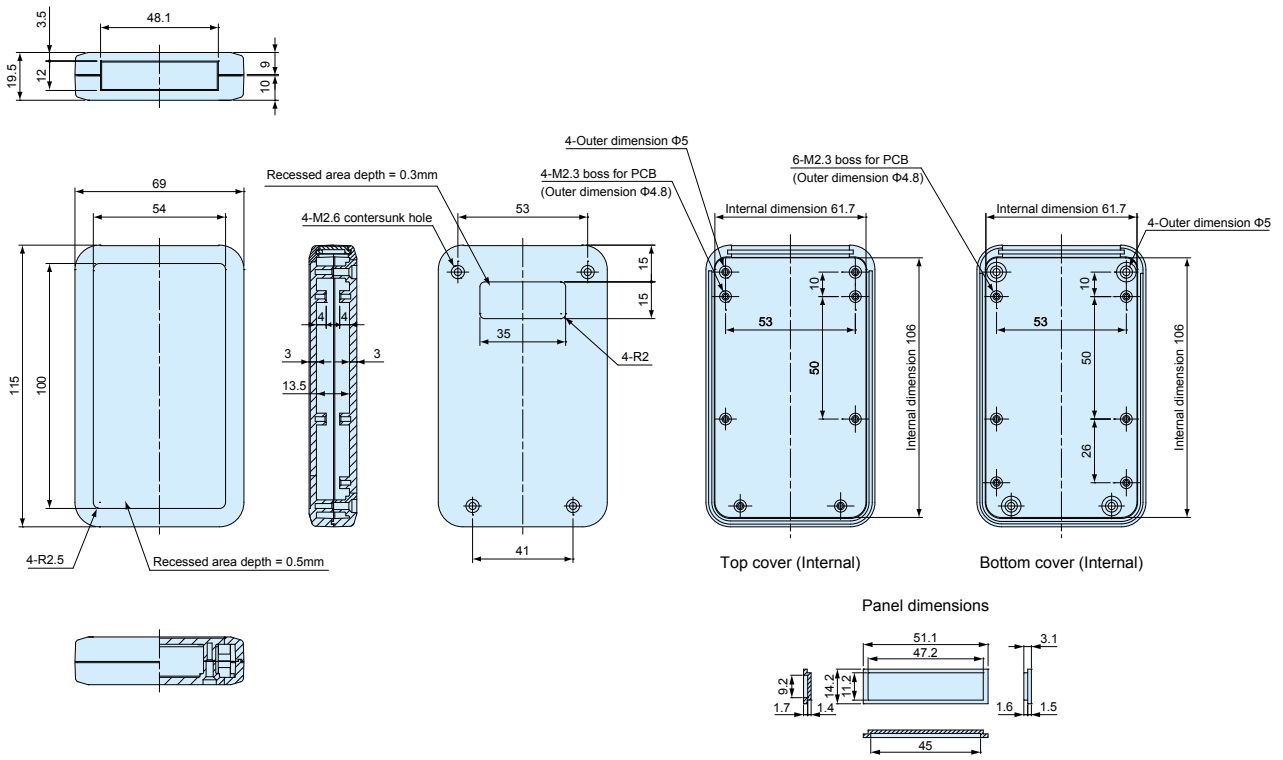
■ Bitte ergänzen Sie den Farbcode am Ende der Bestellnr. - ■ Please suffix color code at the end of the product number.

Best.-Nr. - Product no.		W	H	D	a	b	c	d	e	f	Batteriefach Battery compartment	Gewicht Weight (g)
● Dark gray	○ Off-white											
LC115 -N -D	LC115 -N -W	69	19.5	115	54	100	48.1	12	10	9	None	70
LC115 -F2 -D	LC115 -F2 -W	69	19.5	115	54	100	48.1	12	10	9	AAA x 2	74.5
LC115 -F3 -D	LC115 -F3 -W	69	19.5	115	54	100	48.1	12	10	9	AAA x 3	76.5
LC115H -N -D	LC115H -N -W	69	28	115	54	100	48.1	20.5	18.5	9	None	80
LC115H -F2 -D	LC115H -F2 -W	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 2	84.5
LC115H -F3 -D	LC115H -F3 -W	69	28	115	54	100	48.1	20.5	18.5	9	AAA x 3	86
LC115H -M2-D	LC115H -M2-W	69	28	115	54	100	48.1	20.5	18.5	9	AA x 2	88.5
LC115H -9V -D	LC115H -9V -W	69	28	115	54	100	48.1	20.5	18.5	9	9V x 1	88
LC135 -N -D	LC135 -N -W	76	27	135	58	117	55.1	19.5	13.5	13	None	95
LC135 -F4 -D	LC135 -F4 -W	76	27	135	58	117	55.1	19.5	13.5	13	AAA x 4	110
LC135 -M2-D	LC135 -M2-W	76	27	135	58	117	55.1	19.5	13.5	13	AA x 2	108
LC135 -M3-D	LC135 -M3-W	76	27	135	58	117	55.1	19.5	13.5	13	AA x 3	113.5
LC135 -9V -D	LC135 -9V -W	76	27	135	58	117	55.1	19.5	13.5	13	9V x 1	111.5
LC135H -N -D	LC135H -N -W	76	35	135	58	117	55.1	27.5	21.5	13	None	107.5
LC135H -F4 -D	LC135H -F4 -W	76	35	135	58	117	55.1	27.5	21.5	13	AAA x 4	122
LC135H -M2-D	LC135H -M2-W	76	35	135	58	117	55.1	27.5	21.5	13	AA x 2	121
LC135H -M3-D	LC135H -M3-W	76	35	135	58	117	55.1	27.5	21.5	13	AA x 3	126
LC135H -9V -D	LC135H -9V -W	76	35	135	58	117	55.1	27.5	21.5	13	9V x 1	123.5
NEW LC145S -N -D	NEW LC145S -N -W	96	20	145	75	124	71.1	12.5	7.5	12	None	110
NEW LC145S -F6 -D	NEW LC145S -F6 -W	96	20	145	75	124	71.1	12.5	7.5	12	AAA x 6	130
NEW LC145 -N -D	NEW LC145 -N -W	96	27	145	75	124	71.1	19.5	14.5	12	None	121
NEW LC145 -F6 -D	NEW LC145 -F6 -W	96	27	145	75	124	71.1	19.5	14.5	12	AAA x 6	141
NEW LC145 -M2-D	NEW LC145 -M2-W	96	27	145	75	124	71.1	19.5	14.5	12	AA x 2	135
NEW LC145 -M4-D	NEW LC145 -M4-W	96	27	145	75	124	71.1	19.5	14.5	12	AA x 4	142
NEW LC145H -N -D	NEW LC145H -N -W	96	35	145	75	124	71.1	27.5	22.5	12	None	135
NEW LC145H -F6 -D	NEW LC145H -F6 -W	96	35	145	75	124	71.1	27.5	22.5	12	AAA x 6	155.5
NEW LC145H -M2-D	NEW LC145H -M2-W	96	35	145	75	124	71.1	27.5	22.5	12	AA x 2	149
NEW LC145H -M4-D	NEW LC145H -M4-W	96	35	145	75	124	71.1	27.5	22.5	12	AA x 4	156
LC165 -N -D	LC165 -N -W	80	27	165	62	147	59.1	19.5	13.5	13	None	120.5
LC165 -M4-D	LC165 -M4-W	80	27	165	62	147	59.1	19.5	13.5	13	AA x 4	140
LC165H -N -D	LC165H -N -W	80	35	165	62	147	59.1	27.5	21.5	13	None	134.5
LC165H -M4-D	LC165H -M4-W	80	35	165	62	147	59.1	27.5	21.5	13	AA x 4	153.5

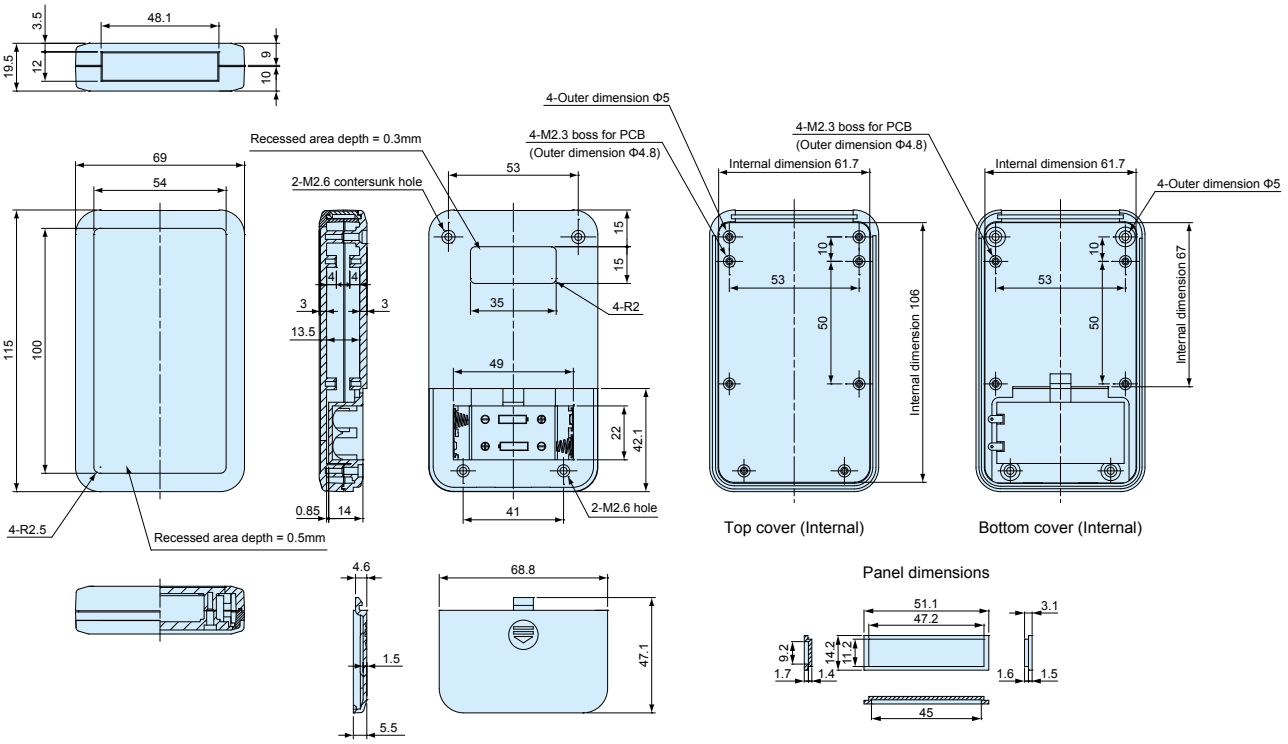
Serie LCT - LCS - LC - LCE
Maße

Series LCT - LCS - LC - LCE
dimensions

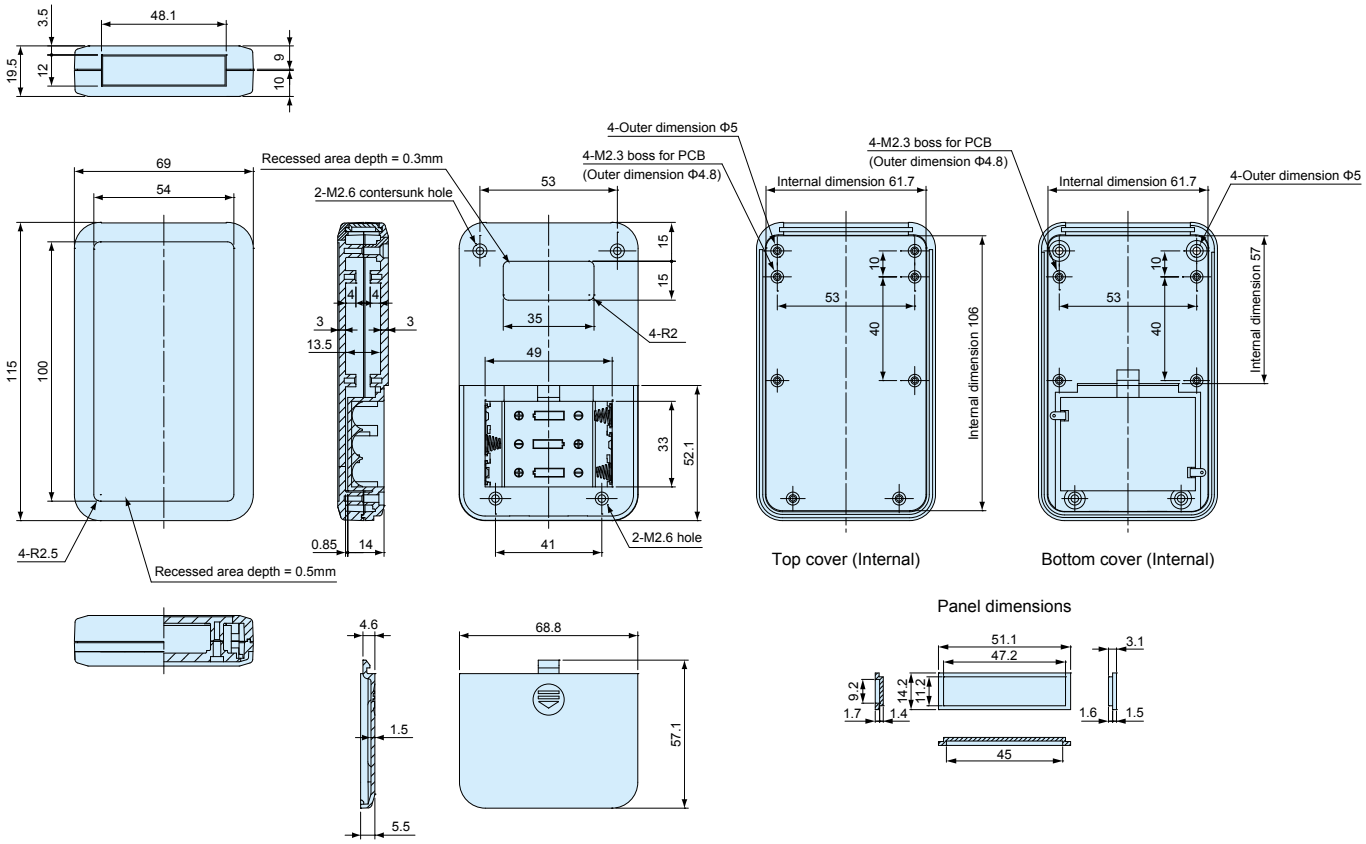
LCT115-N / LCS115-N / LC115-N



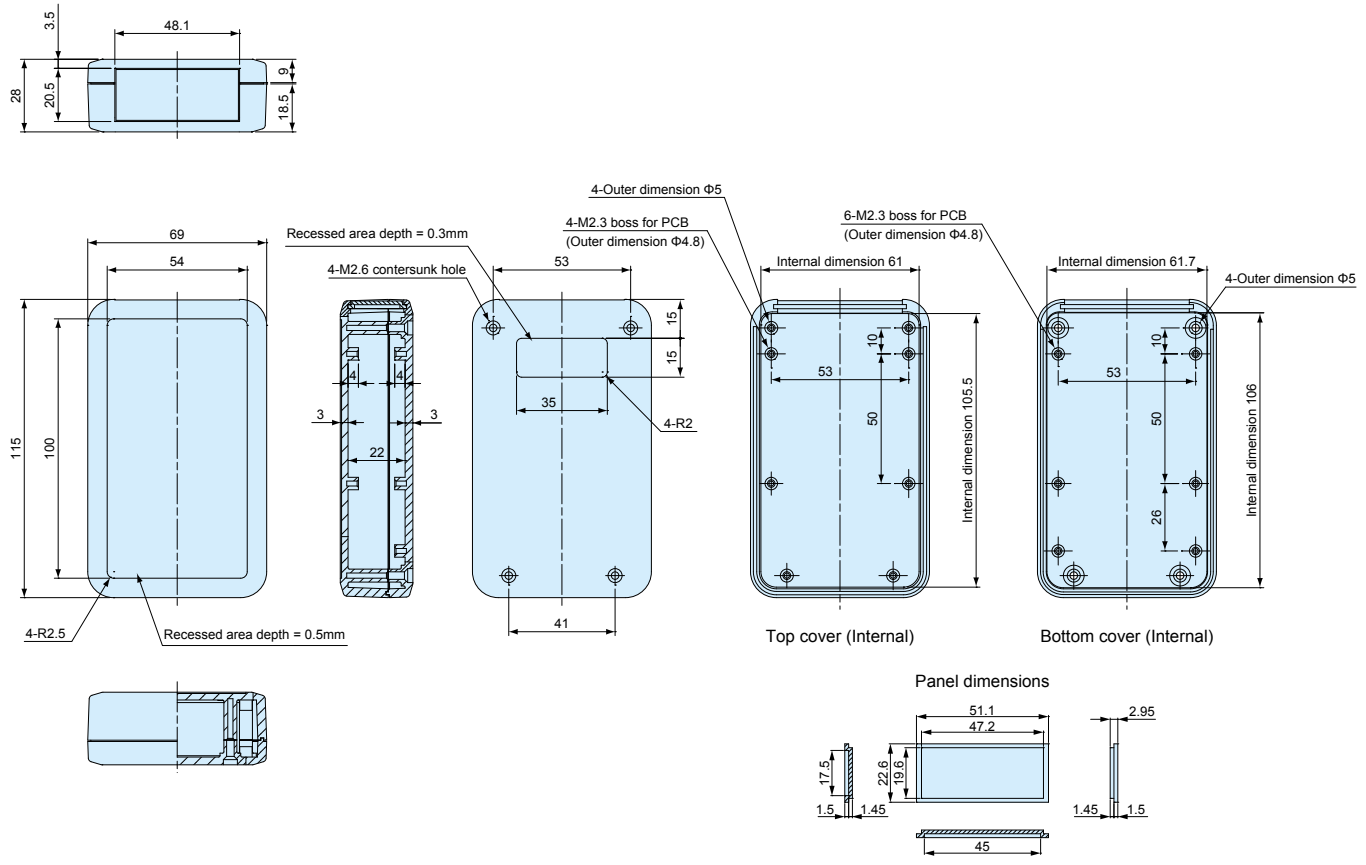
LCT115-F2 / LCS115-F2 / LC115-F2



LCT115-F3 / LCS115-F3 / LC115-F3



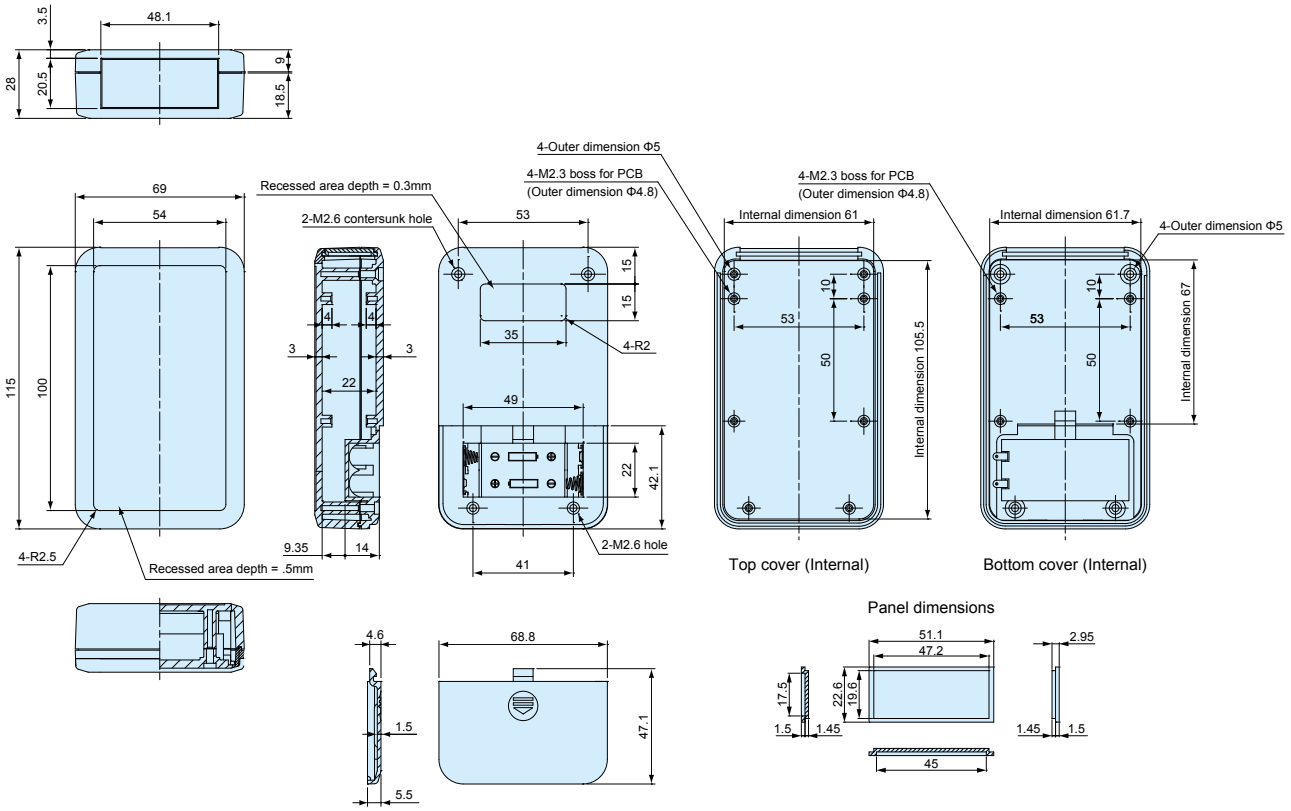
LCT115H-N / LCS115H-N / LC115H-N



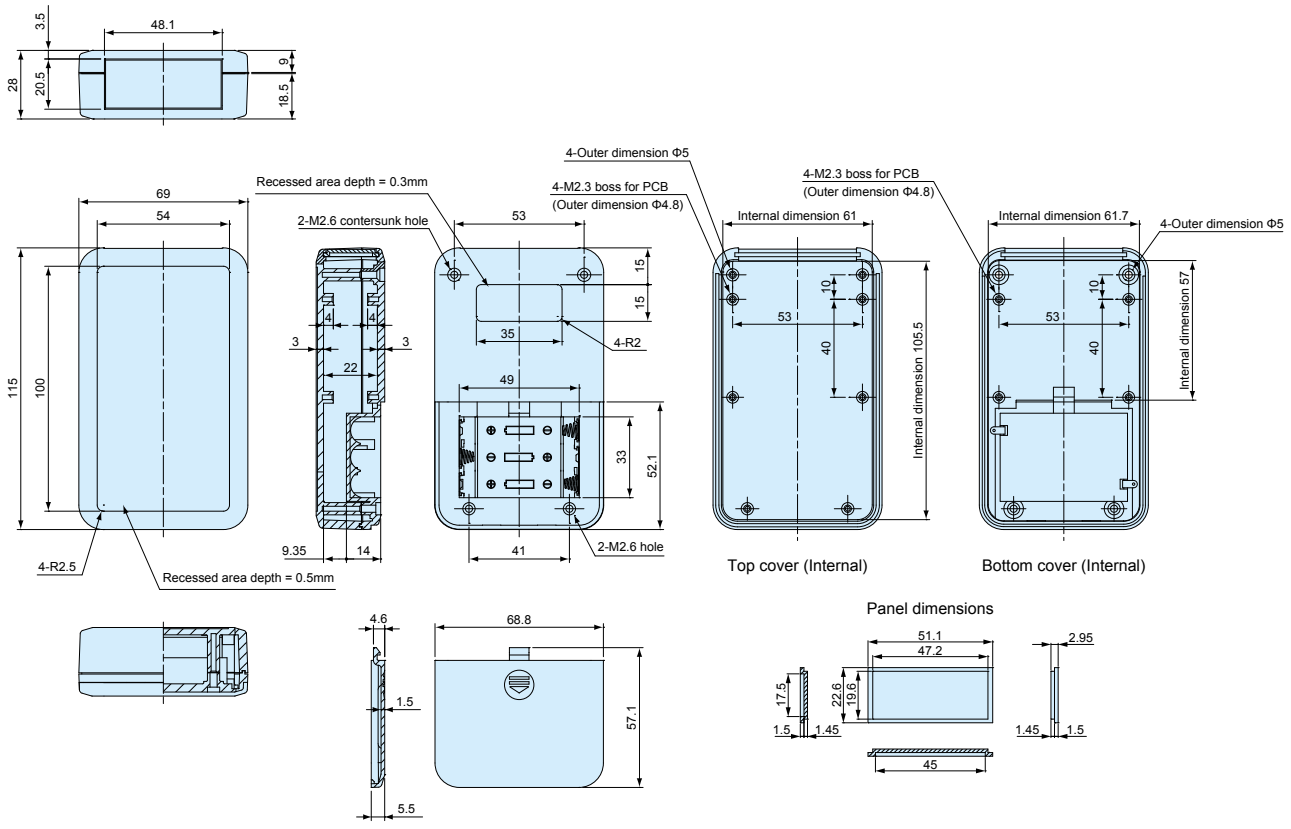
Serie LCT - LCS - LC - LCE
Maße

Series LCT - LCS - LC - LCE
dimensions

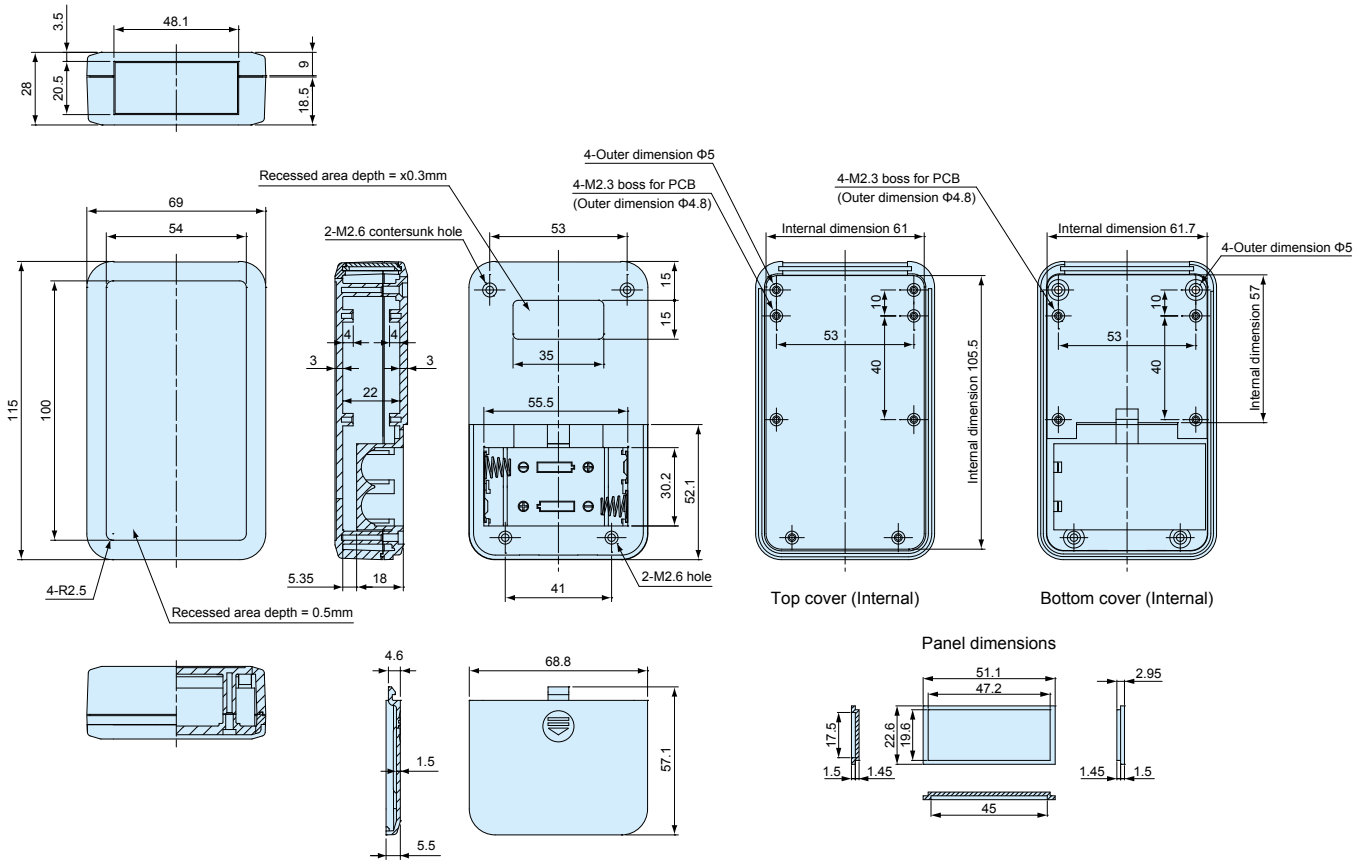
LCT115H-F2 / LCS115H-F2 / LC115H-F2



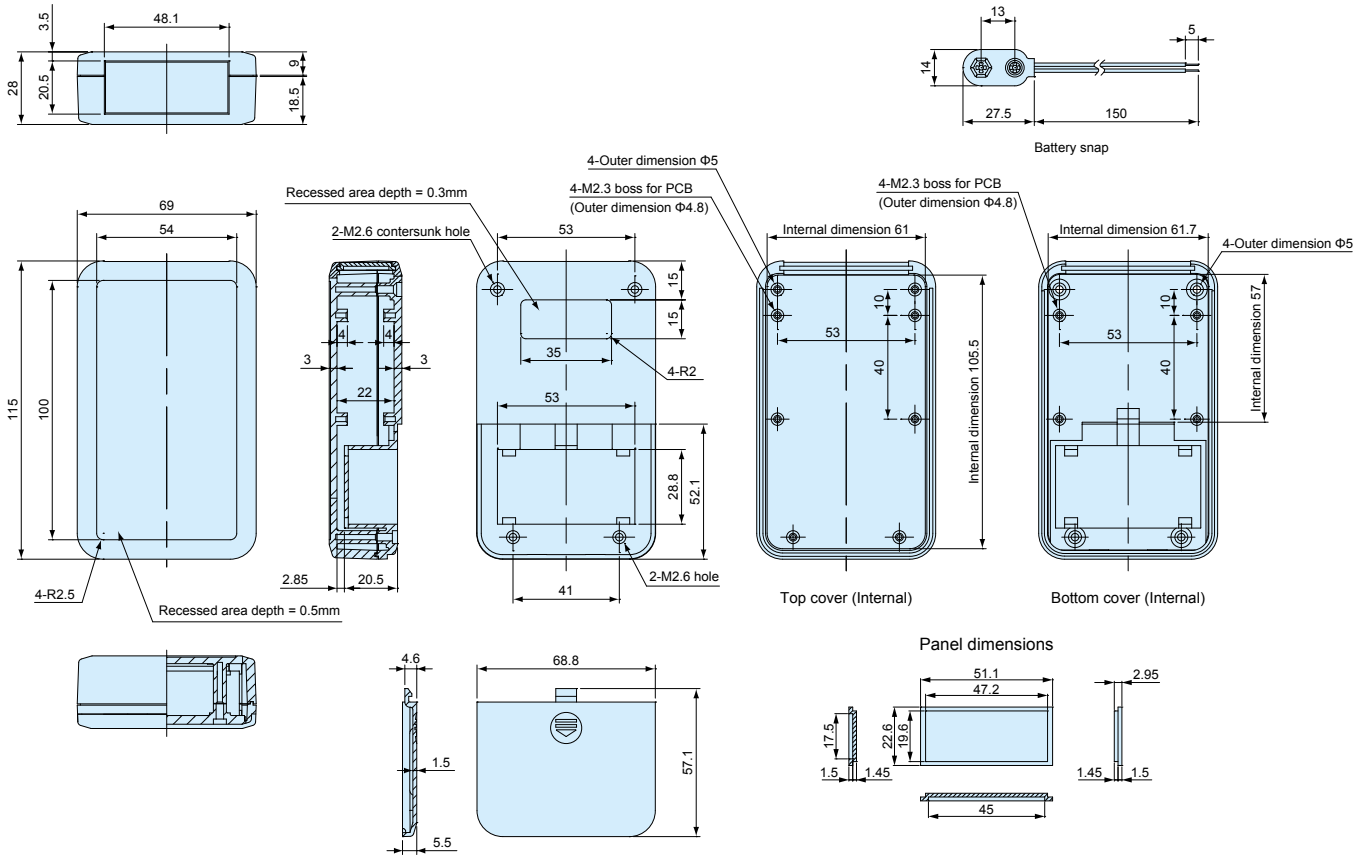
LCT115H-F3 / LCS115H-F3 / LC115H-F3



LCT115H-M2 / LCS115H-M2 / LC115H-M2



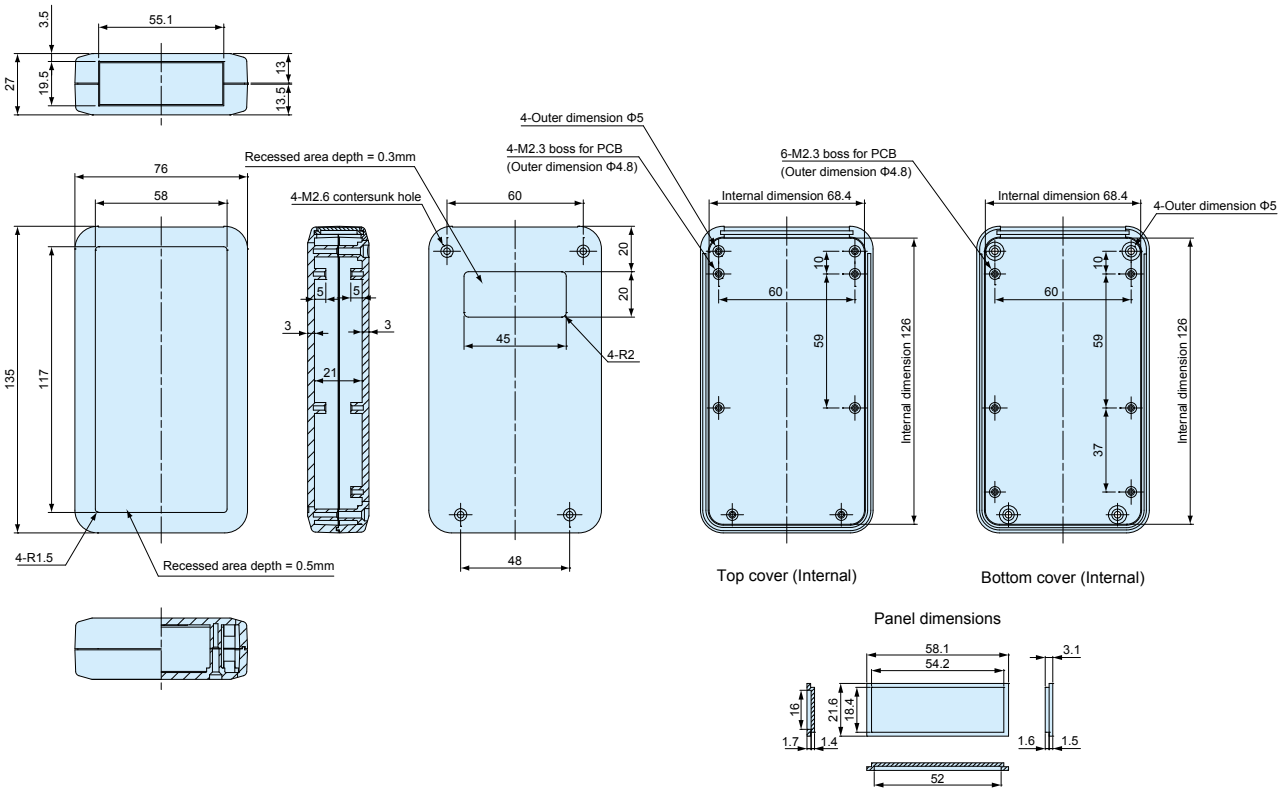
LCT115H-9V / LCS115H-9V / LC115H-9V



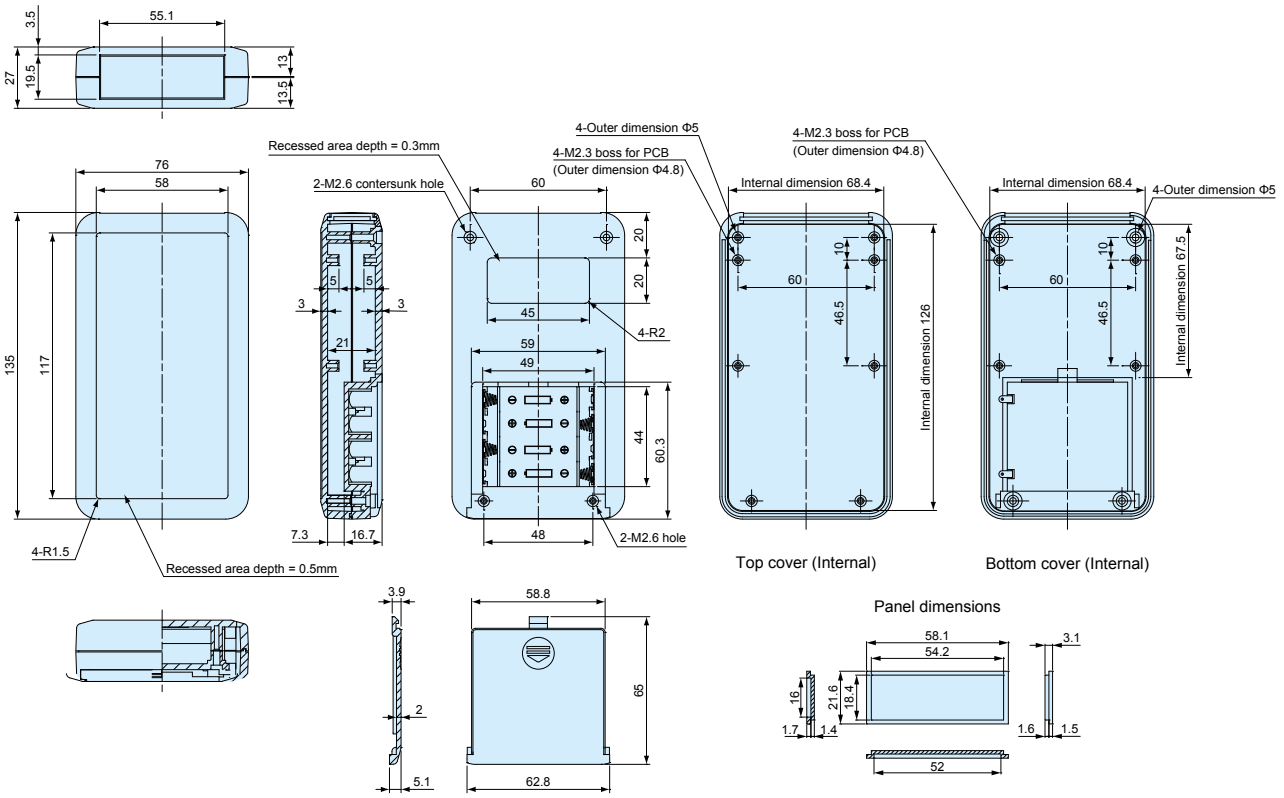
Serie LCT - LCS - LC - LCE
Maße

Series LCT - LCS - LC - LCE
dimensions

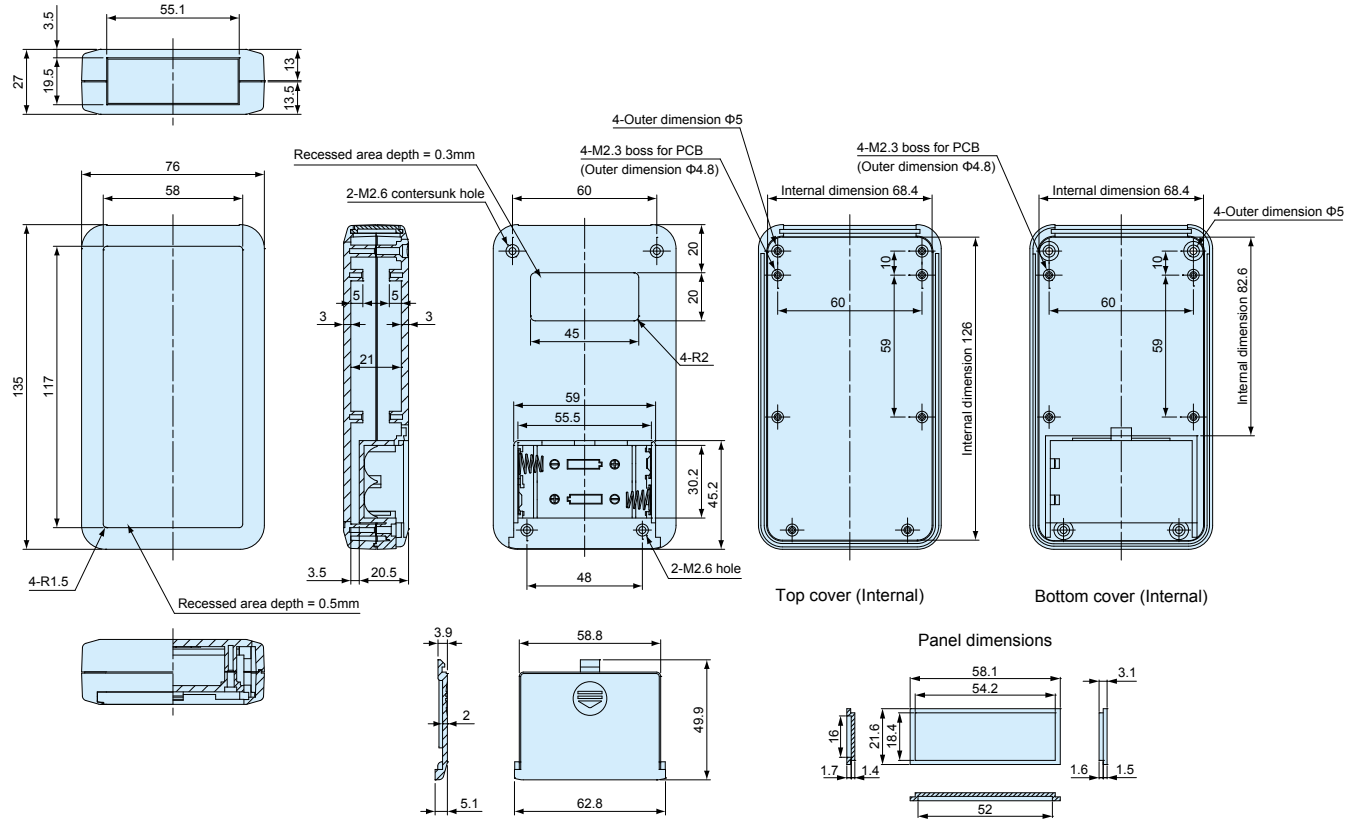
LCT135-N / LCS135-N / LC135-N



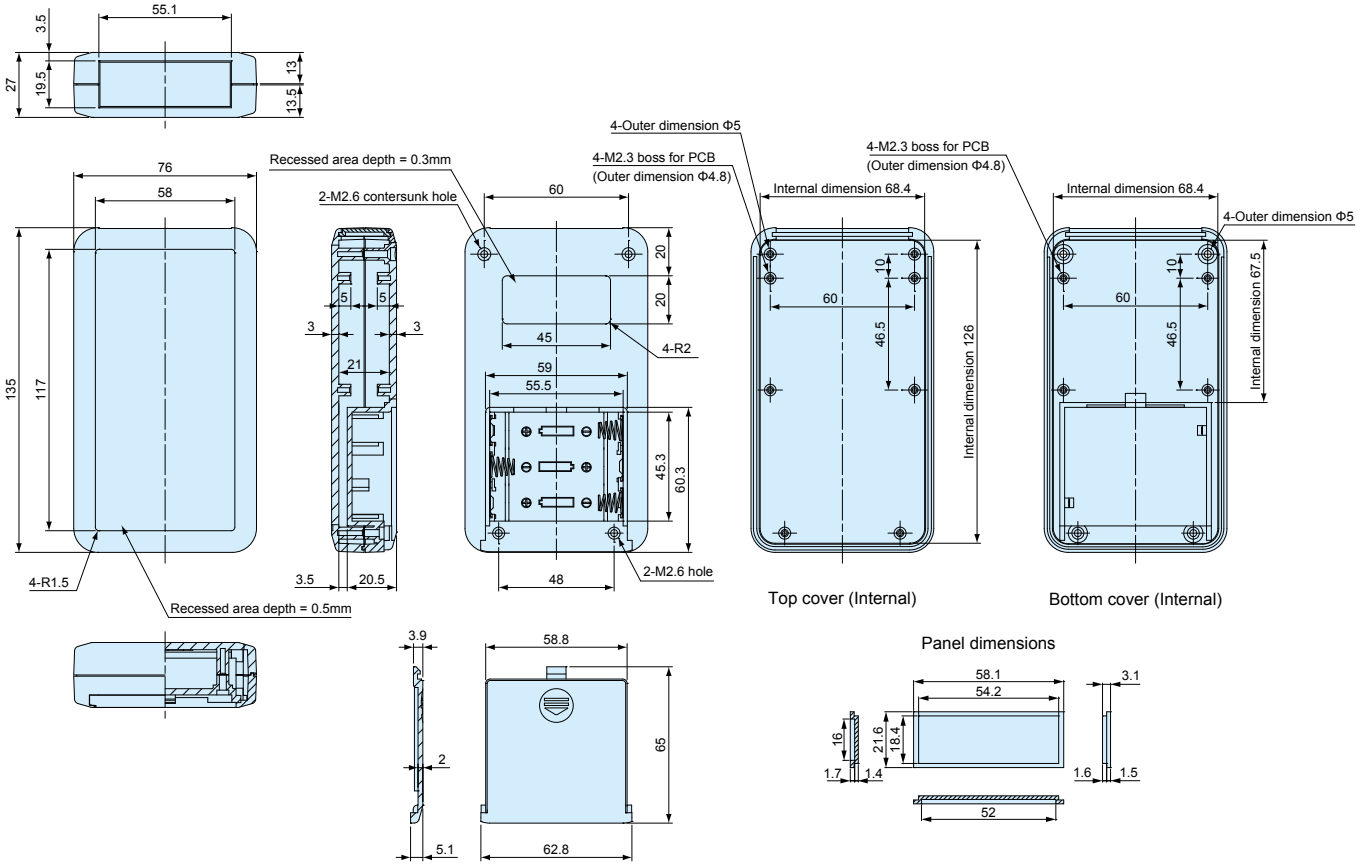
LCT135-F4 / LCS135-F4 / LC135-F4



LCT135-M2 / LCS135-M2 / LC135-M2



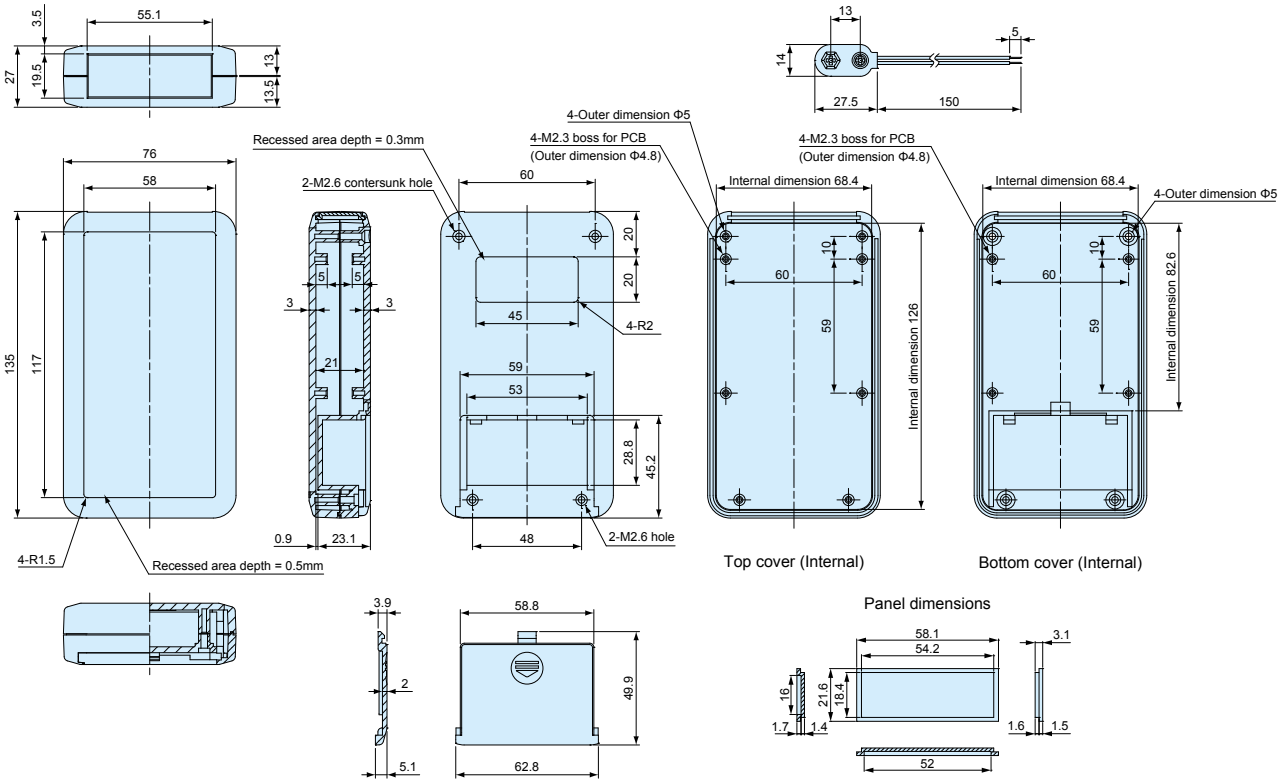
LCT135-M3 / LCS135-M3 / LC135-M3



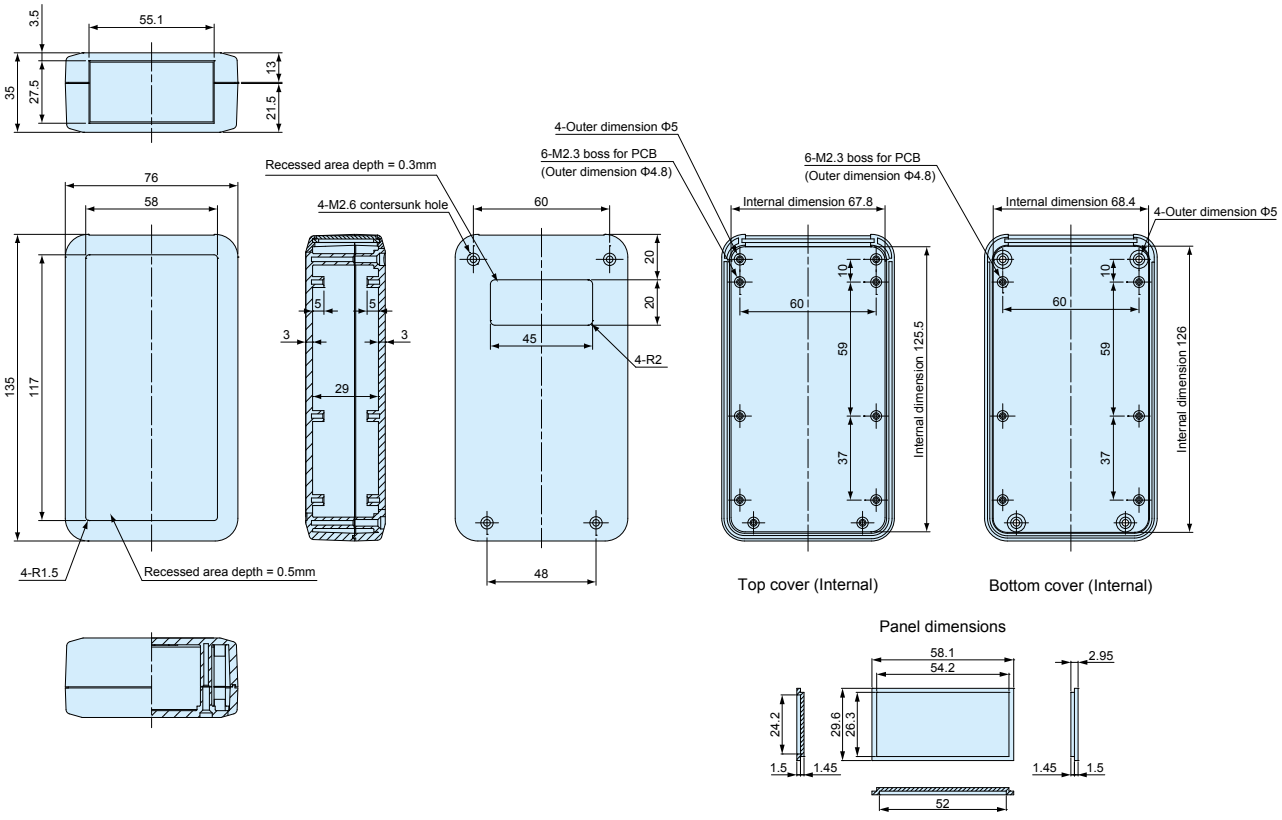
Serie LCT - LCS - LC - LCE
Maße

Series LCT - LCS - LC - LCE
dimensions

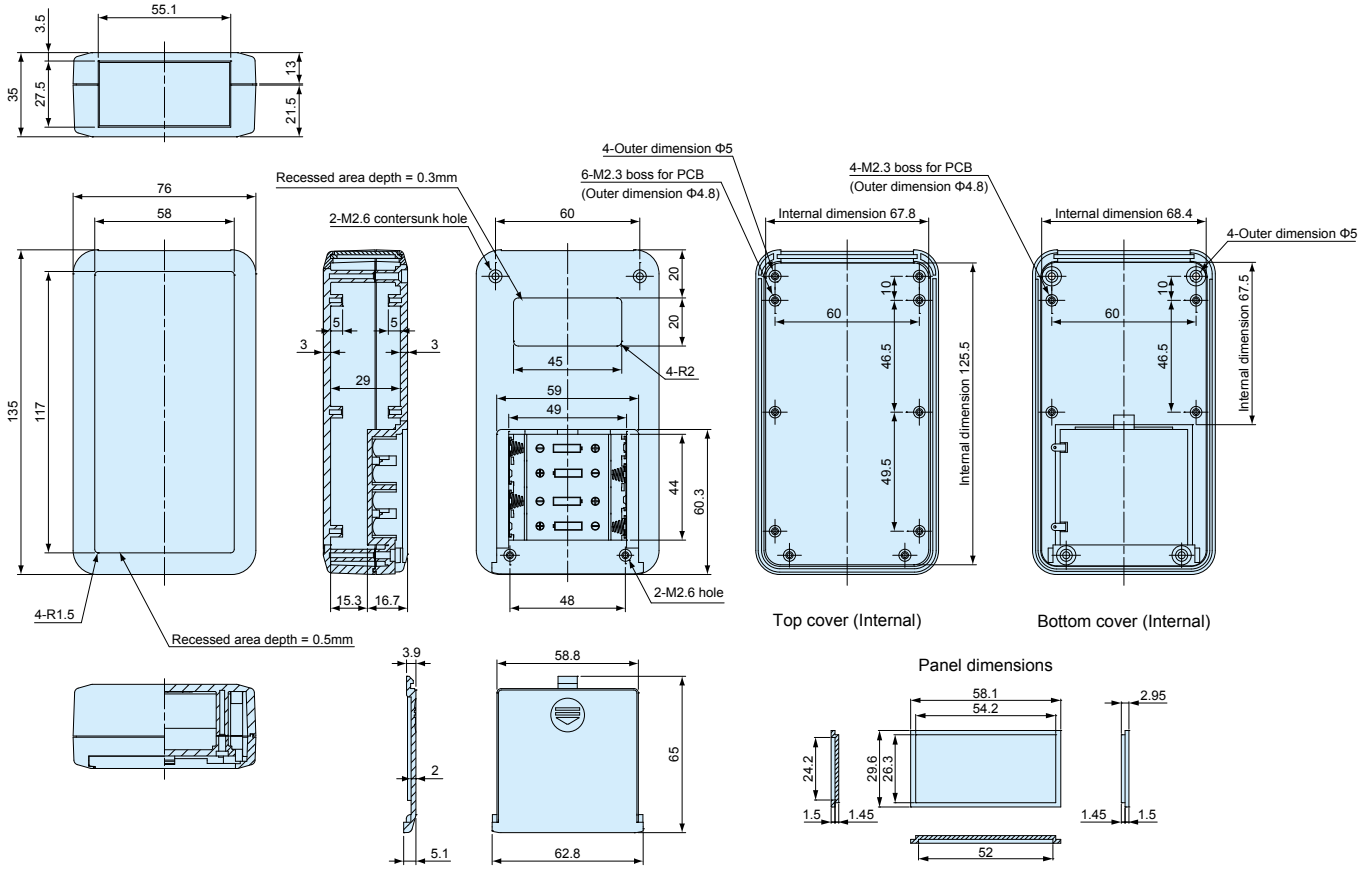
LCT135-9V / LCS135-9V / LC135-9V



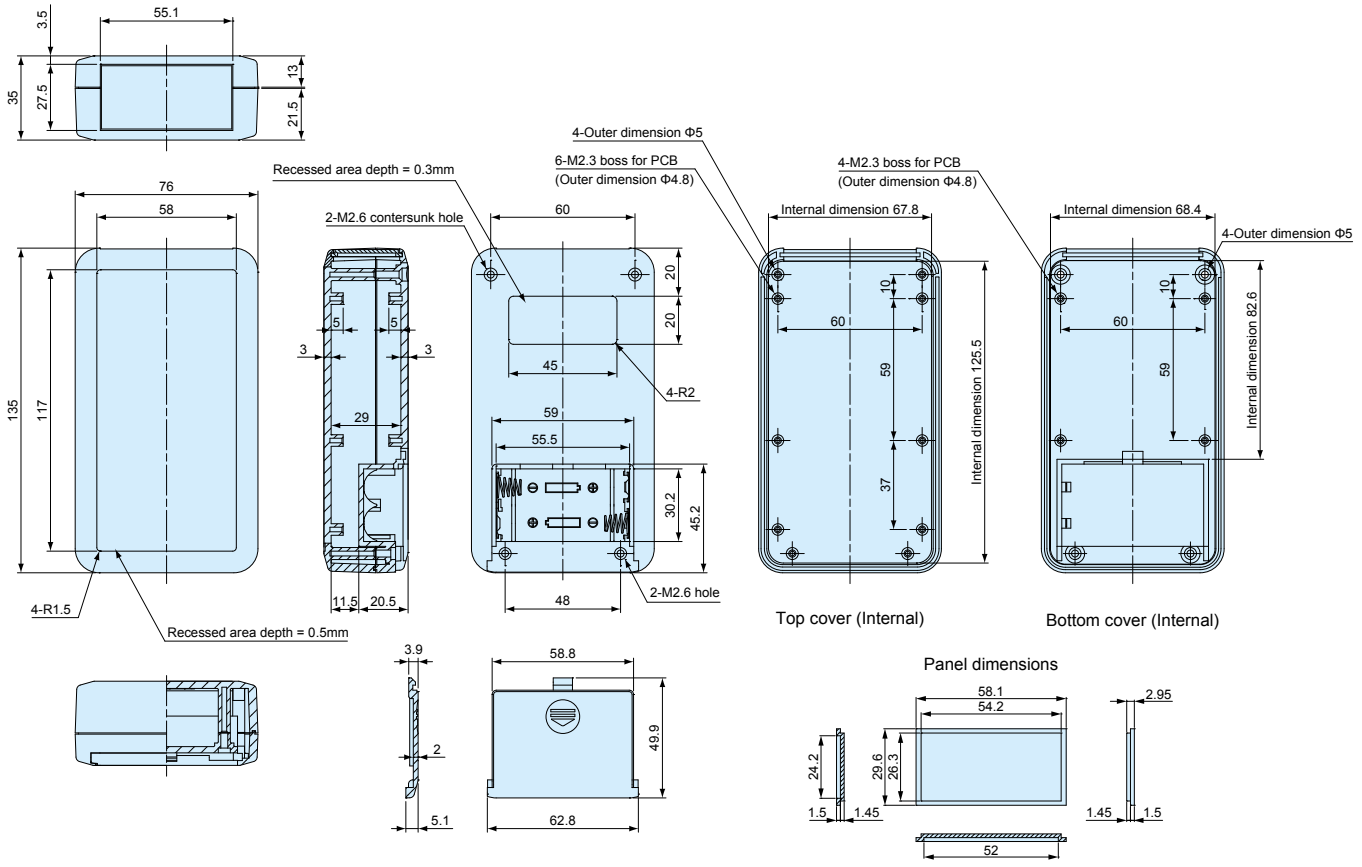
LCT135H-N / LCS135H-N / LC135H-N



LCT135H-F4 / LCS135H-F4 / LC135H-F4



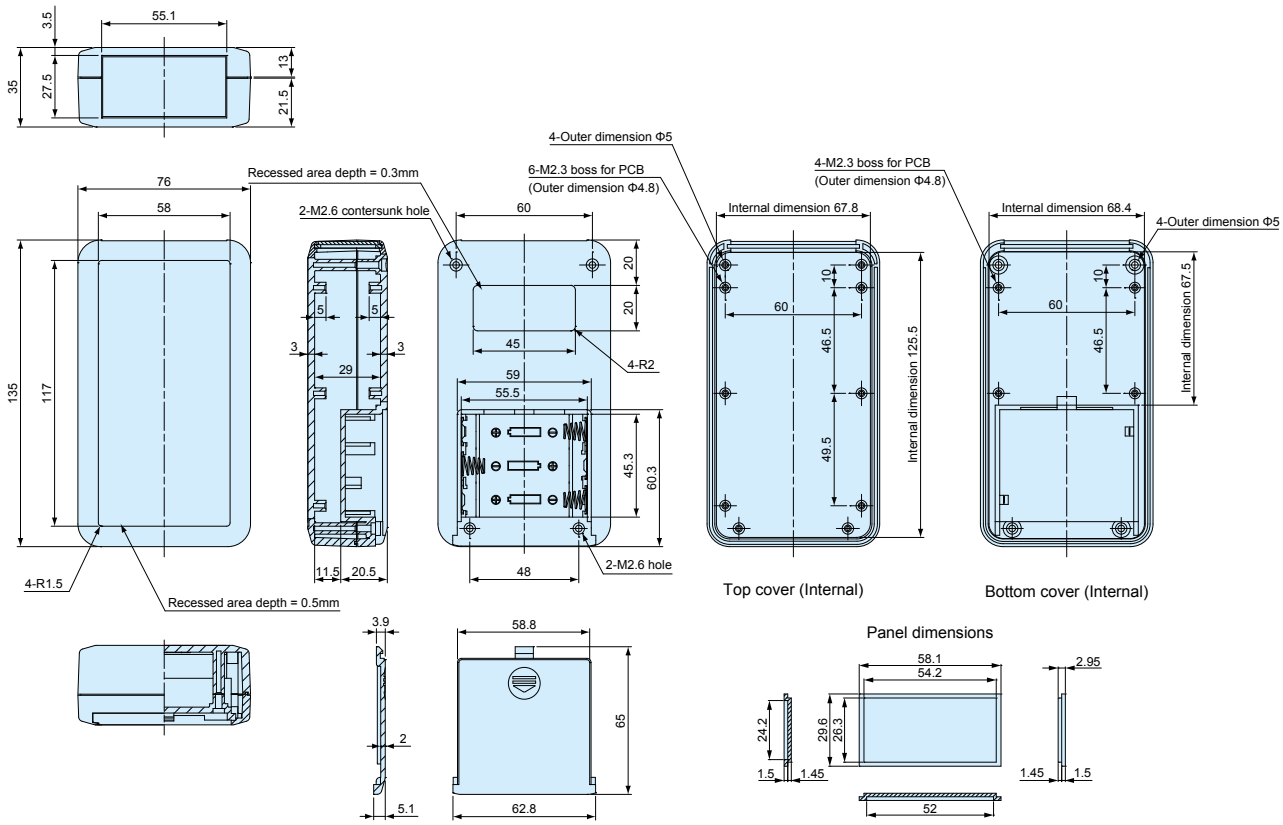
LCT135H-M2 / LCS135H-M2 / LC135H-M2



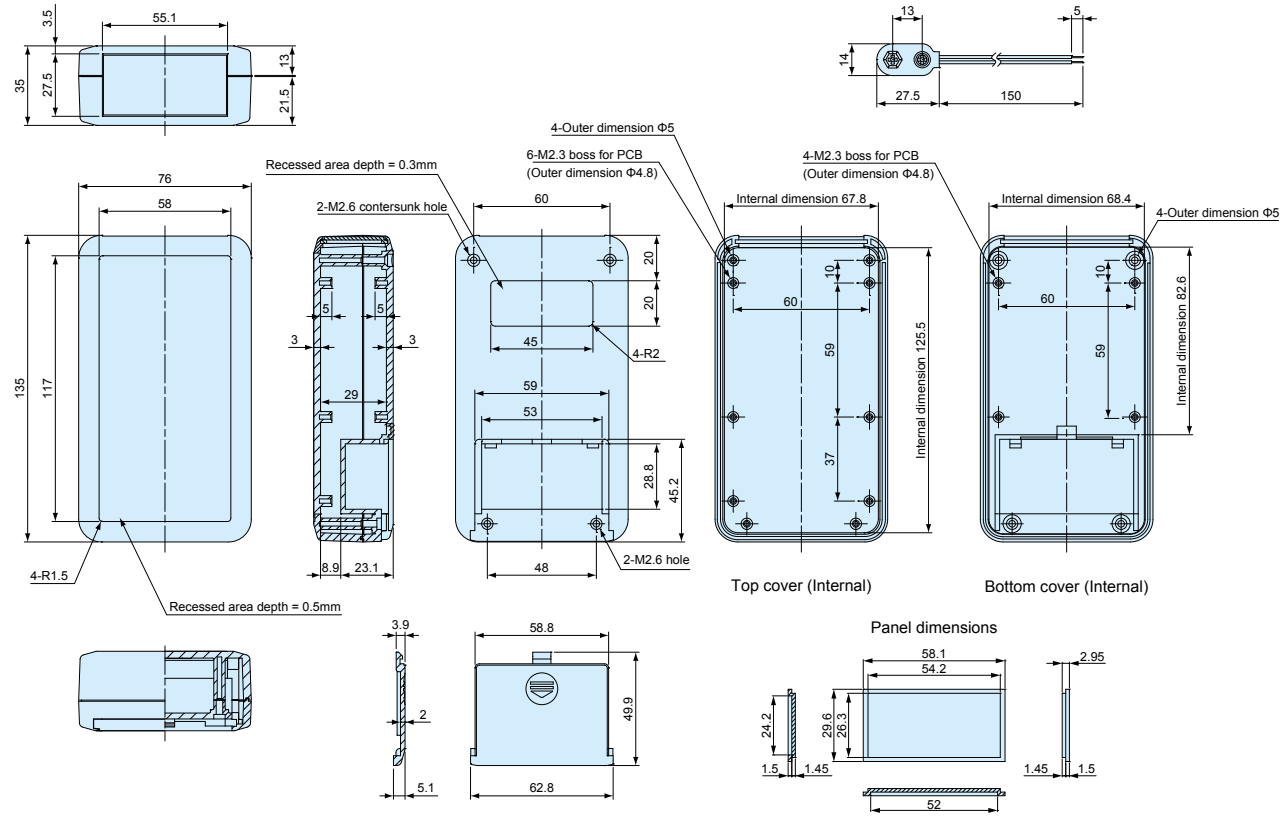
Serie LCT - LCS - LC - LCE
Maße

Series LCT - LCS - LC - LCE
dimensions

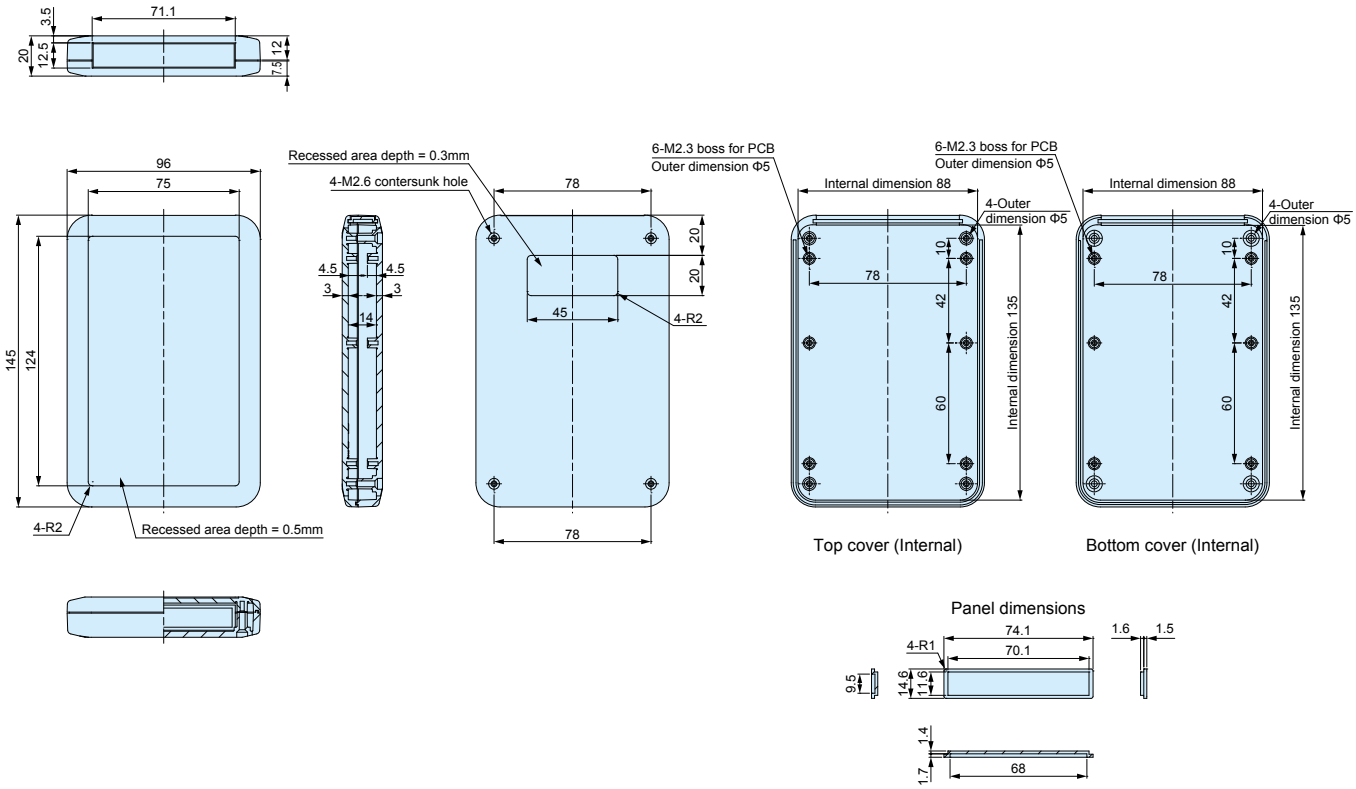
LCT135H-M3 / LCS135H-M3 / LC135H-M3



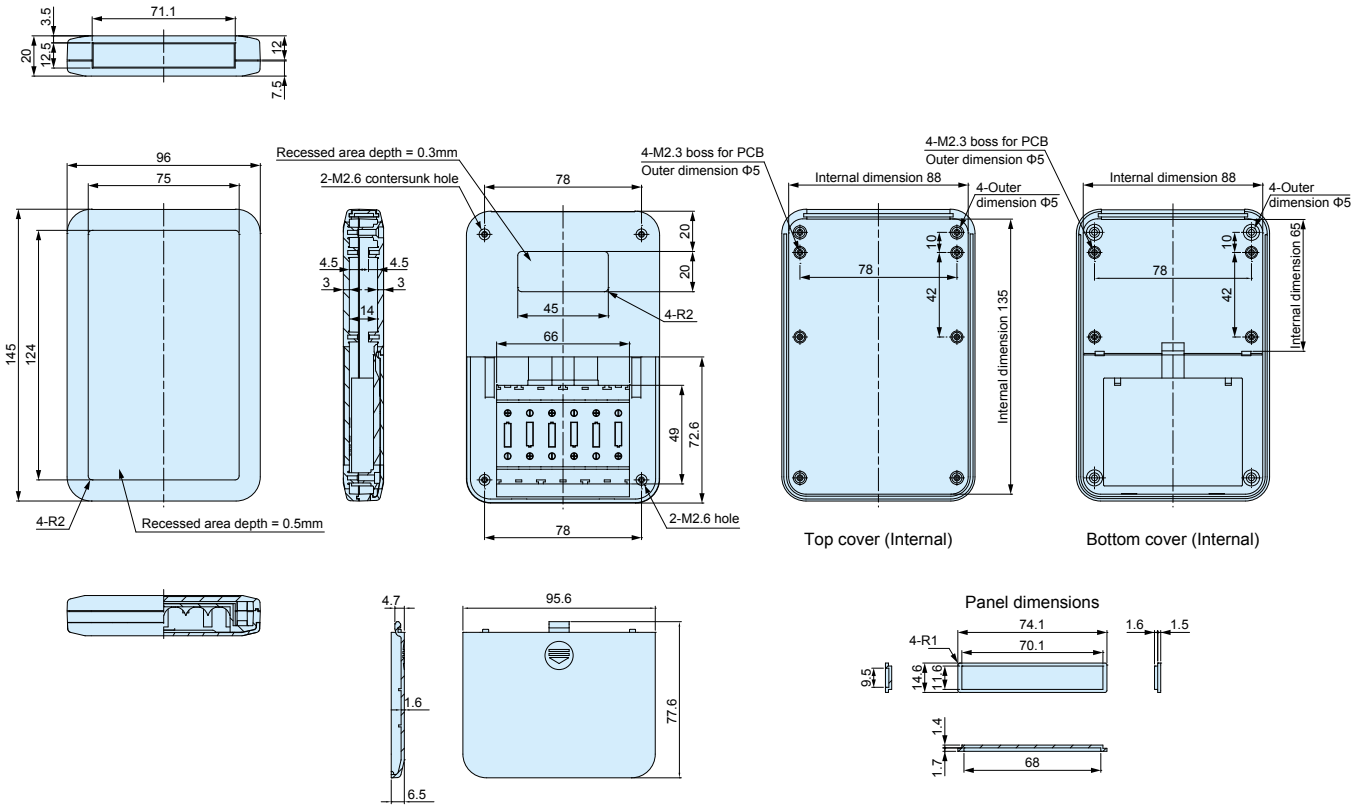
LCT135H-9V / LCS135H-9V / LC135H-9V



LCT145S-N / LCS145S-N / LC145S-N



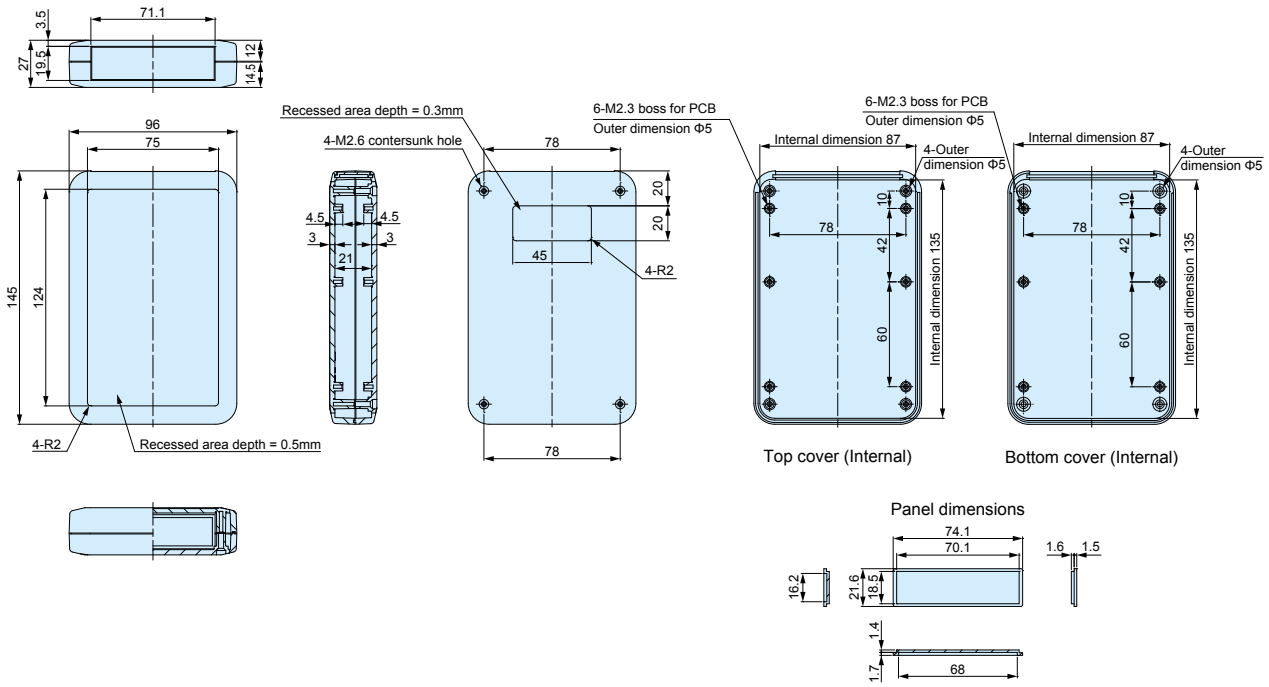
LCT145S-F6 / LCS145S-F6 / LC145S-F6



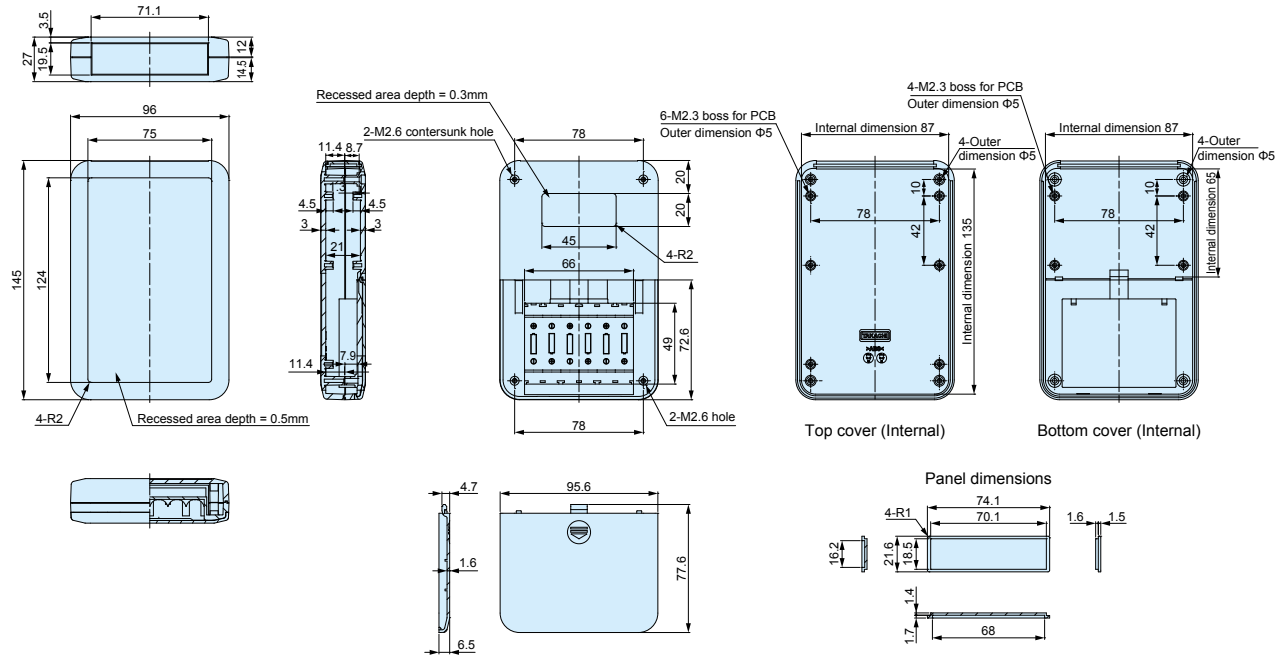
Serie LCT - LCS - LC - LCE
Maße

Series LCT - LCS - LC - LCE
dimensions

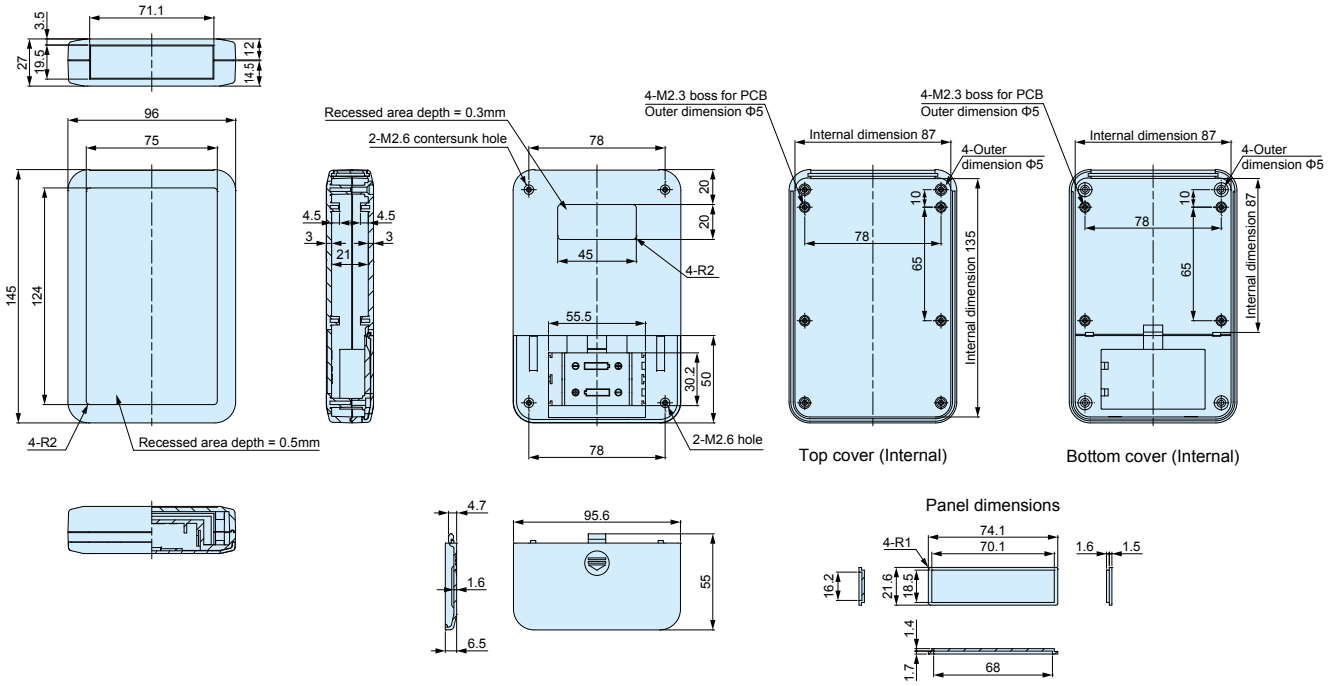
LCT145-N / LCS145-N / LC145-N



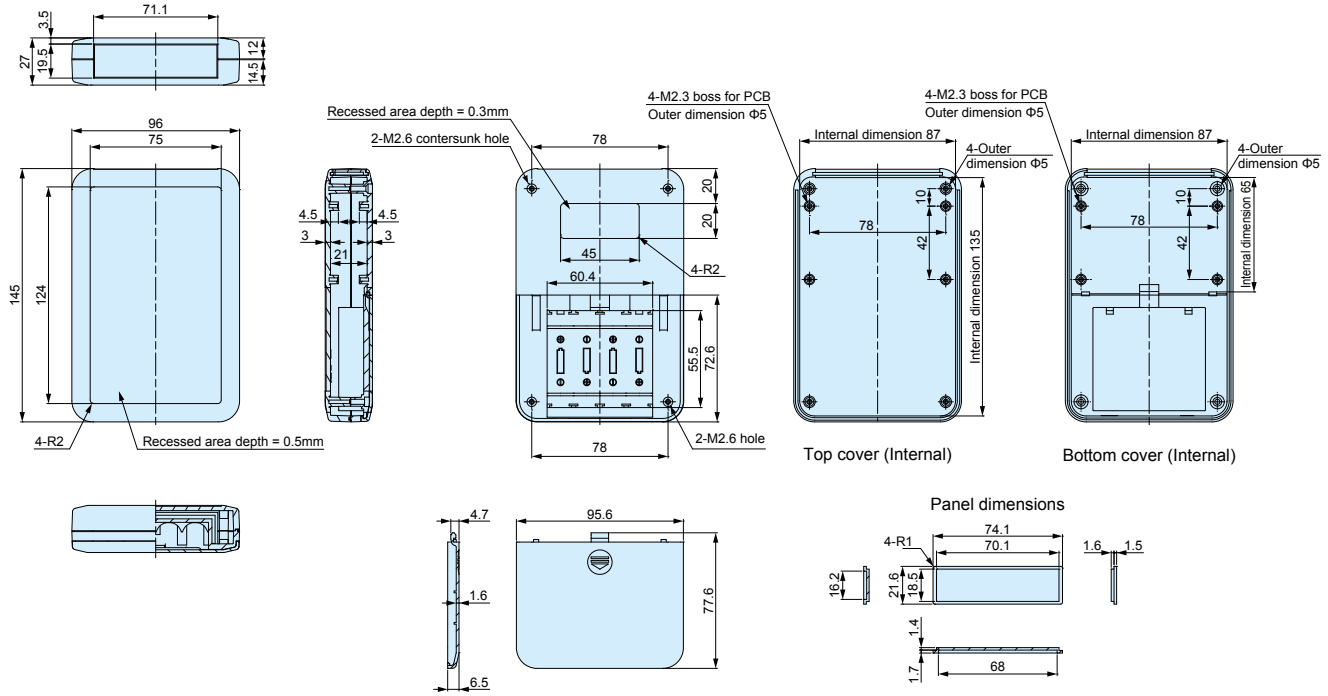
LCT145-F6 / LCS145-F6 / LC145-F6



LCT145-M2 / LCS145-M2 / LC145-M2



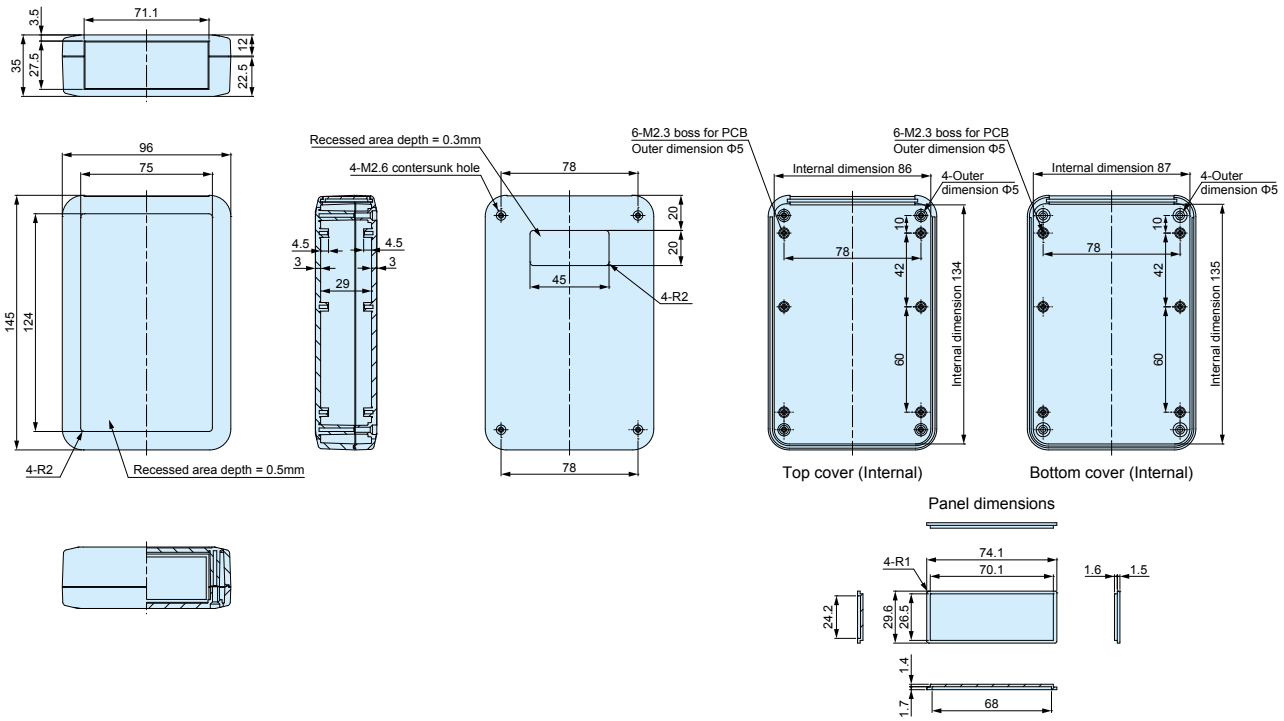
LCT145-M4 / LCS145-M4 / LC145-M4



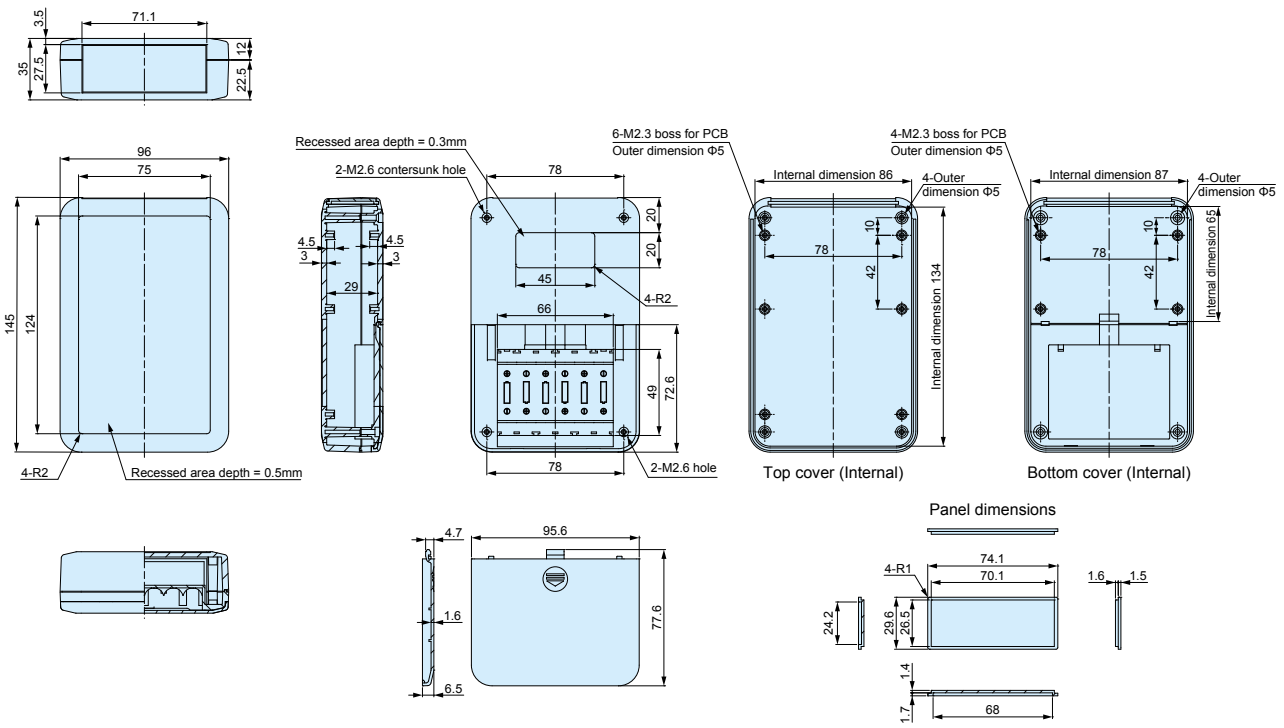
Serie LCT - LCS - LC - LCE
Maße

Series LCT - LCS - LC - LCE
dimensions

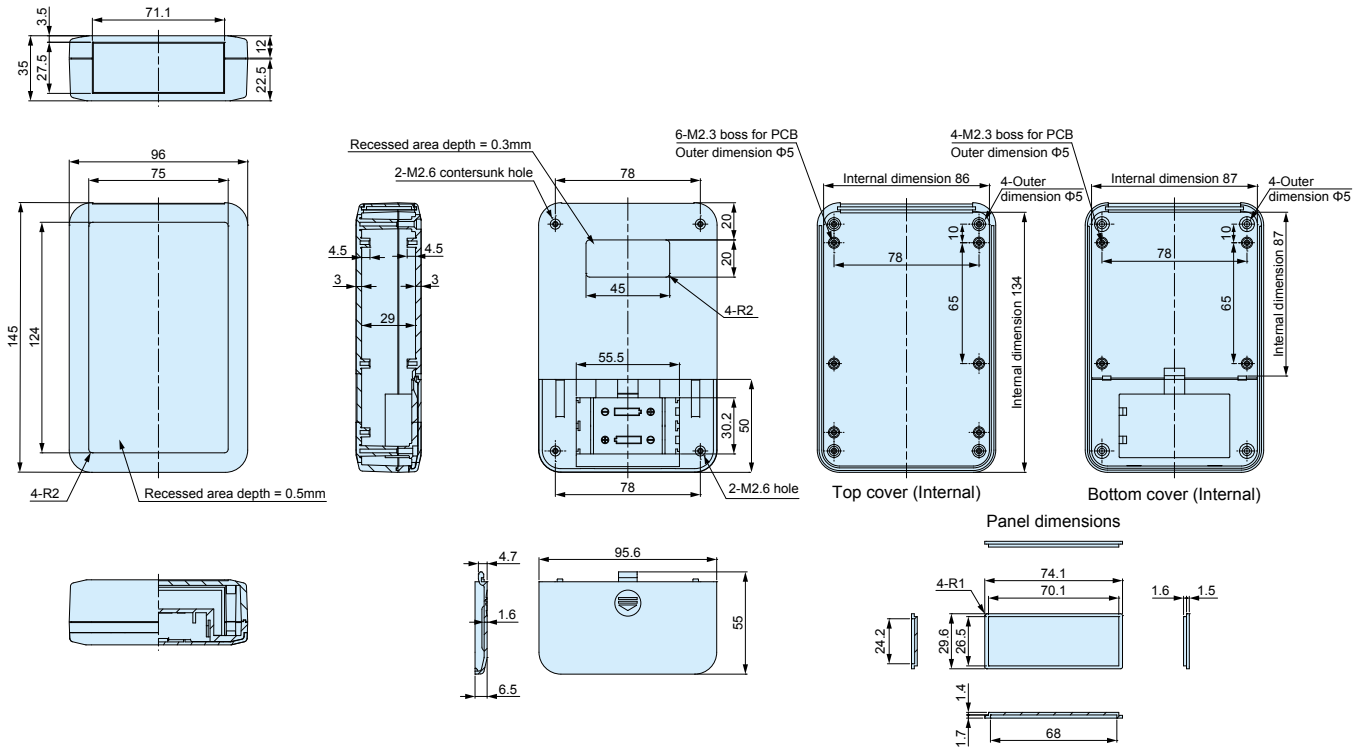
LCT145H-N / LCS145H-N / LC145H-N



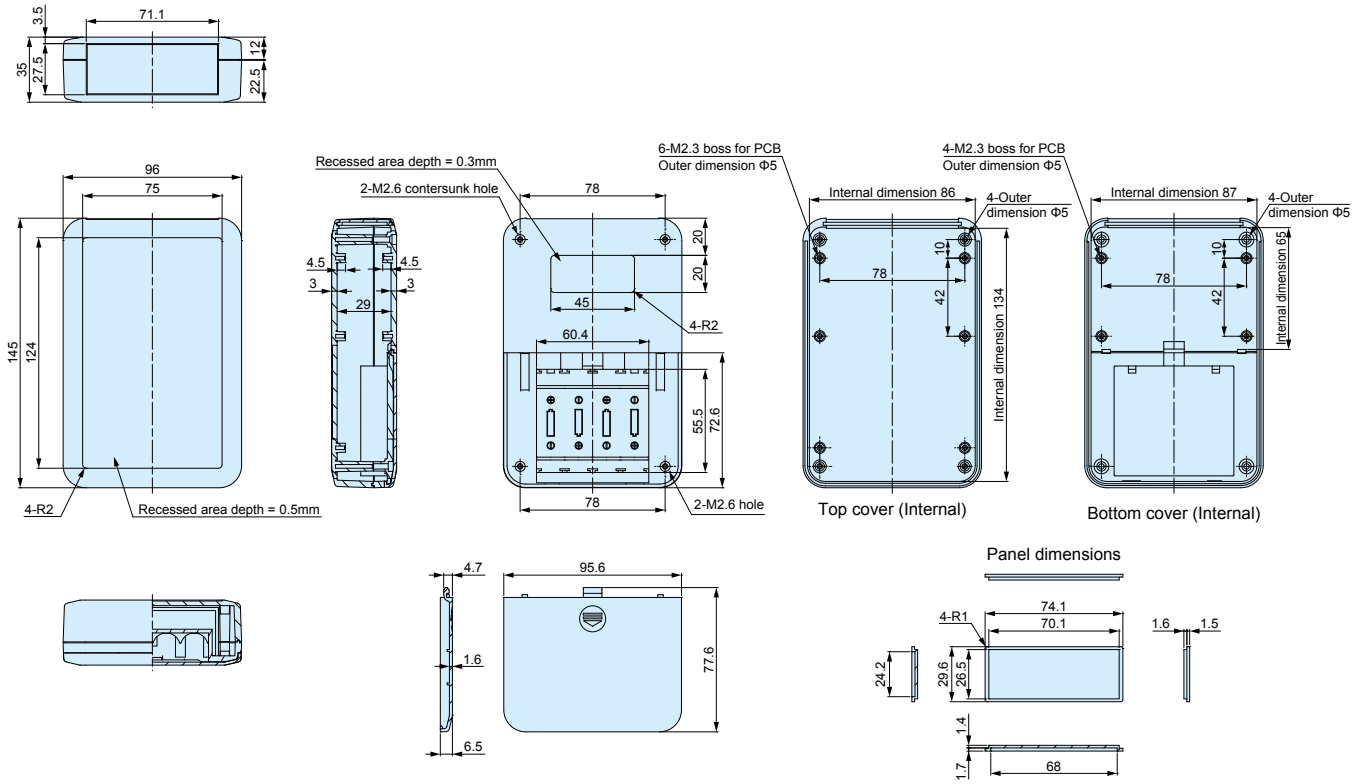
LCT145H-F6 / LCS145H-F6 / LC145H-F6



LCT145H-M2 / LCS145H-M2 / LC145H-M2



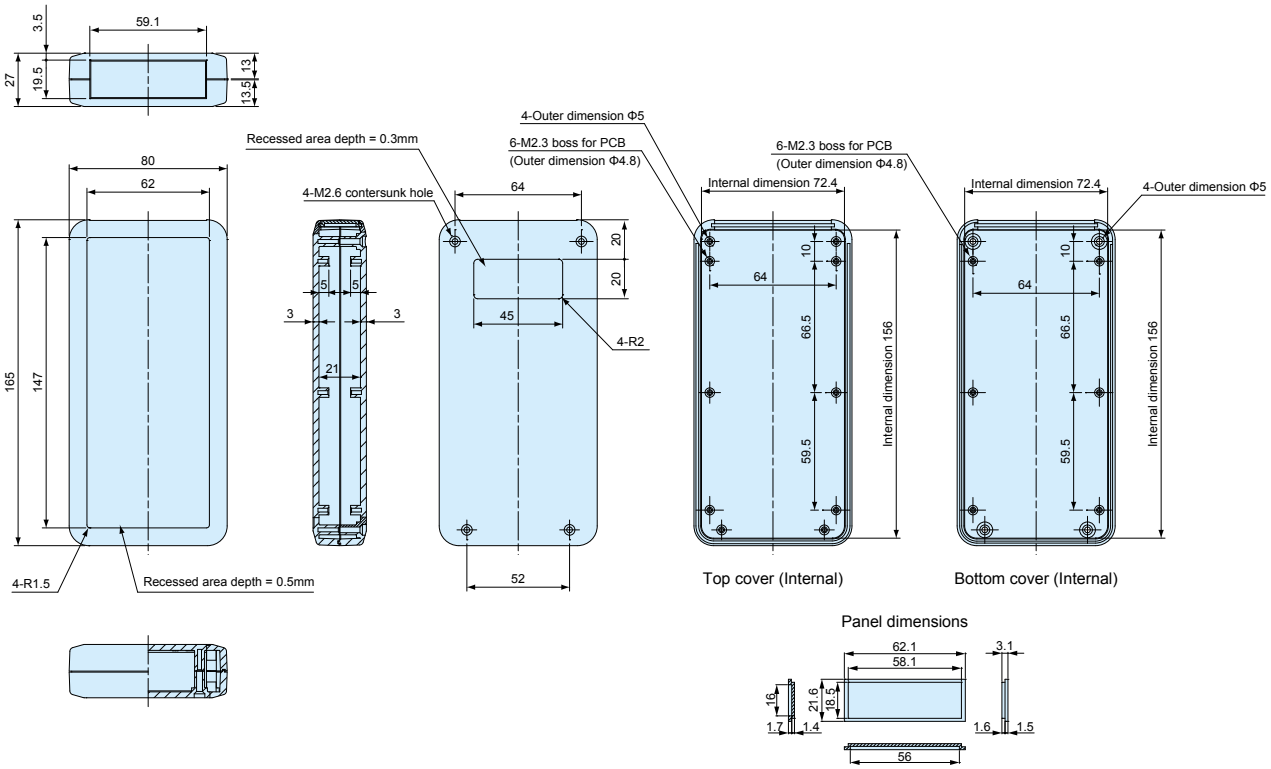
LCT145H-M4 / LCS145H-M4 / LC145H-M4



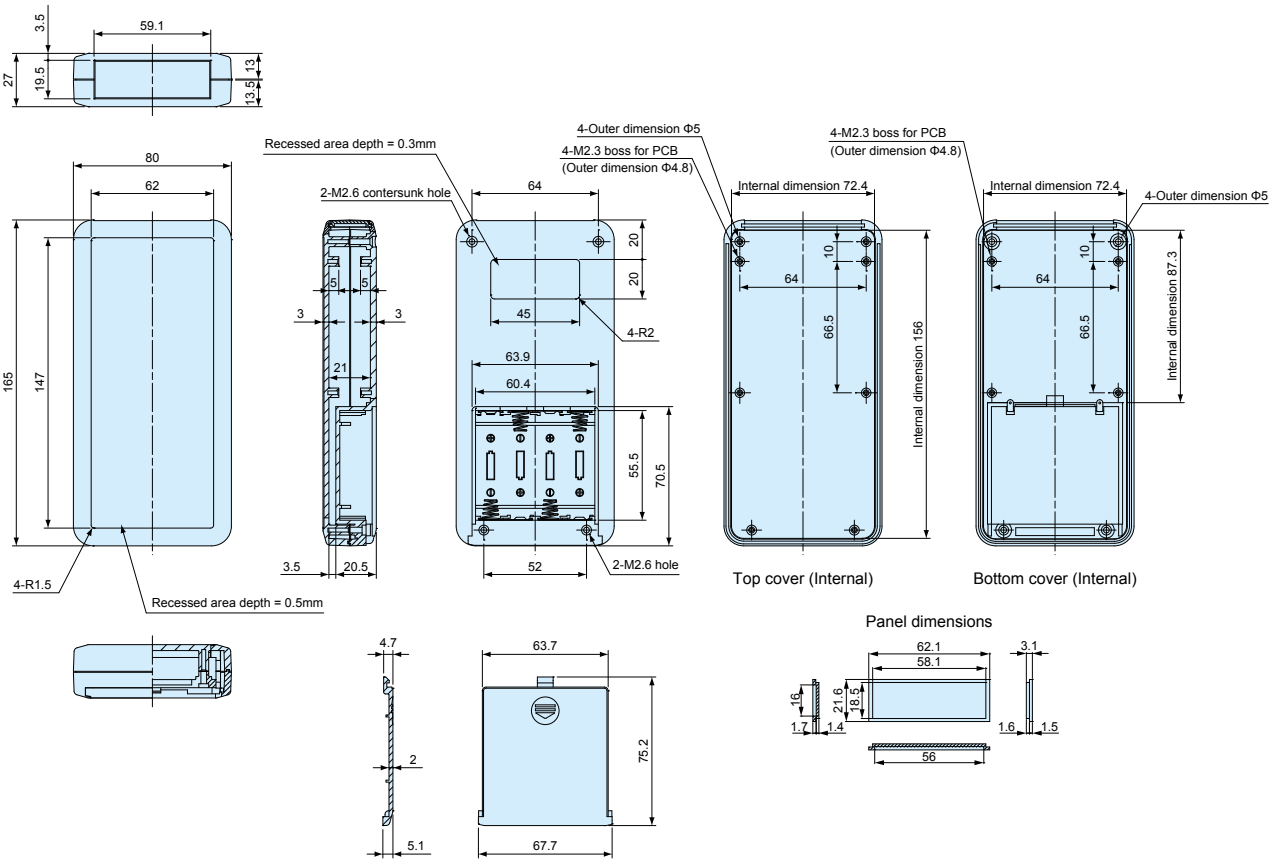
Serie LCT - LCS - LC - LCE Maße

Series LCT - LCS - LC - LCE dimensions

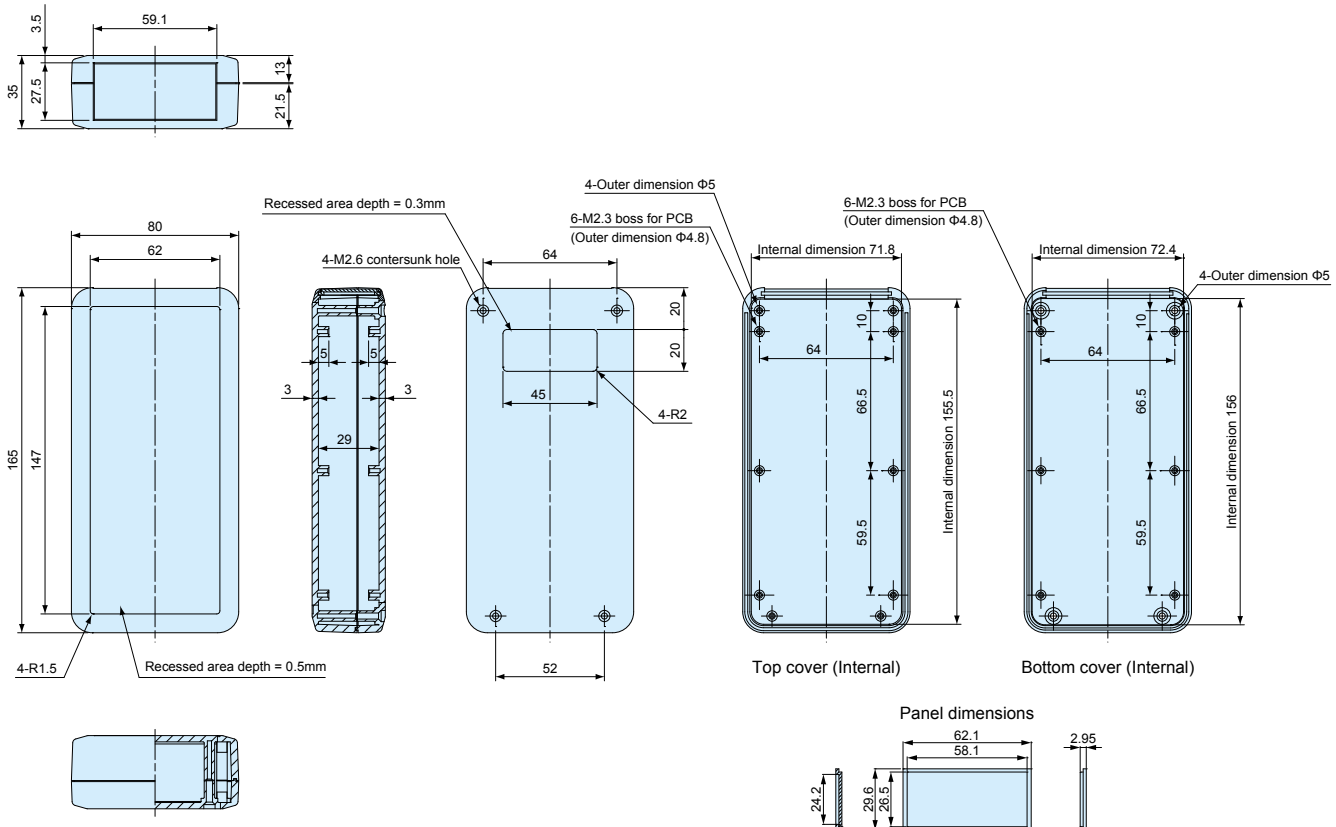
LCT165-N / LCS165-N / LC165-N



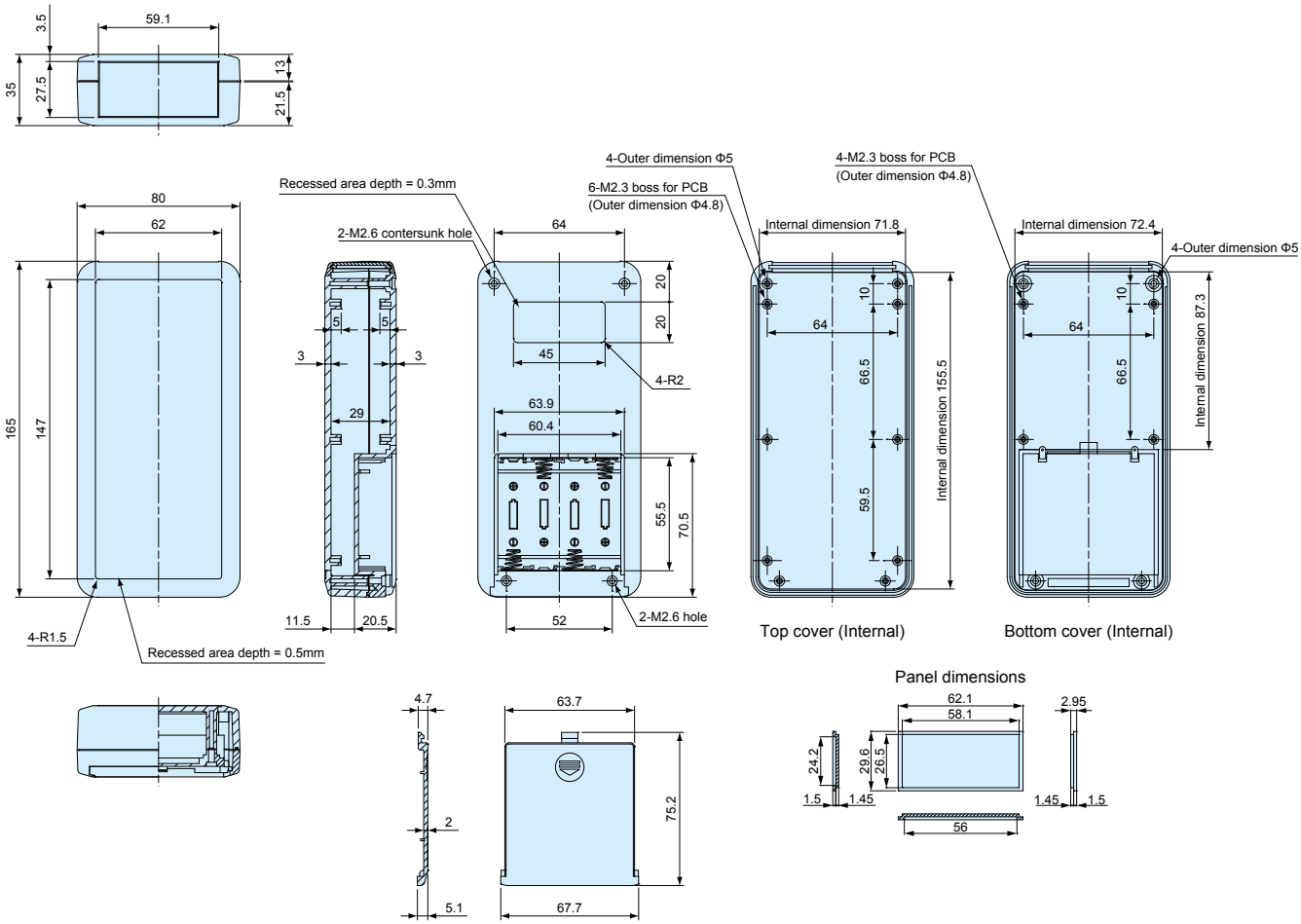
LCT165-M4 / LCS165-M4 / LC165-M4



LCT165H-N / LCS165H-N / LC165H-N



LCT165H-M4 / LCS165H-M4 / LC165H-M4



Serie LCTP stoßfeste Silikonhülle

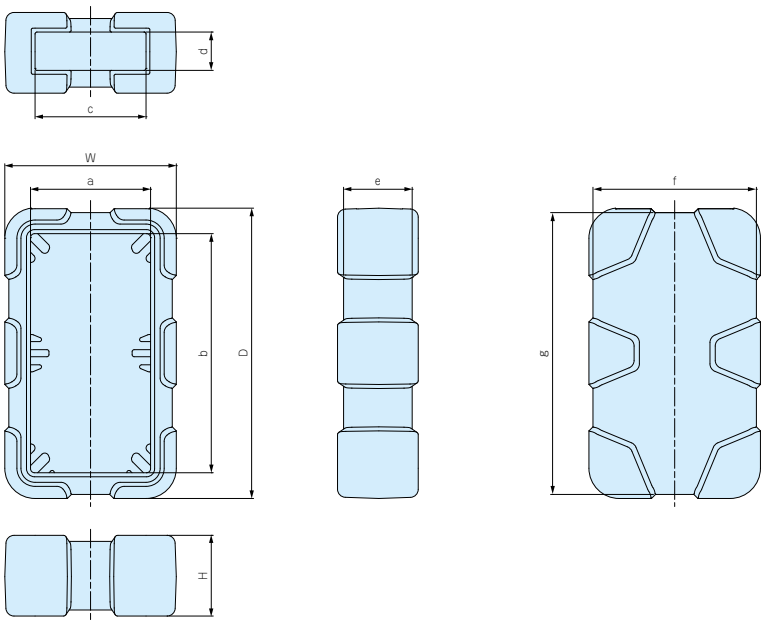
Series LCTP shock-proof silicone cover

Farbcode - Color Type

Code	O Orange O Orange	G Green G Grün	N Navy N Navy	D Dark gray D Dunkelgrau	L Light gray L Hellgrau
Farbe - Color					

- Stoßfeste Silikonhülle für die Serie LC. Neue Größen verfügbar!
- Kundenspezifische Farben ab 500 Stück. Bitte **PANTONE**®-Farbe angeben oder Farbmuster.

- Shock-proof silicone cover for LC series. New sizes now available!
- Custom color is available from 500pcs per order batch. For custom color order, please specify **PANTONE**®, RGB color number or provide your sample color.



Einzelteile

Bezeichnung	Material	Farbe
Silikonhülle	Silikon	Orange • Grün • Navy • Dunkelgrau • Hellgrau

Components

Part name	Material	Color
Silicone cover	Silicone	Orange • Green • Navy • Dark gray • Light gray

Best.-Nr. / Maße
Product no. / Dimensions

- Bitte ergänzen Sie den Farbcode am Ende der Bestellnr.
- Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	a	b	c	d	e	f	g	Gehäuse Suitable case	Gewicht (g) Weight (g)
LCTP115 -☐	76	28	121.9	55.5	101.5	48.3	12	24	72	117.8	LC115	53.5
LCTP115H -☐	76	36.5	121.9	55.5	101.5	48.3	20.5	32.5	72	117.8	LC115H	61
LCTP135 -☐	85	40	143.9	59.5	118.5	55	19	34	81	139.7	LC135	115.5
LCTP135H -☐	85	48	143.9	59.5	118.5	55	27	42	81	139.6	LC135H	124
NEW LCTP145S -☐	105	33	153.9	76.5	125.5	71	12	27	101	149.9	LC145S	129.1
NEW LCTP145 -☐	105	40	153.9	76.5	125.5	71	19	34	101	149.7	LC145	137.5
NEW LCTP145H -☐	105	48	153.9	76.5	125.5	71	27	42	101	149.7	LC145H	147
LCTP165 -☐	89	40	173.9	63.5	148.5	59	19	34	85	169.7	LC165	143
LCTP165H -☐	89	48	173.9	63.5	148.5	59	27	42	85	169.6	LC165H	151.5

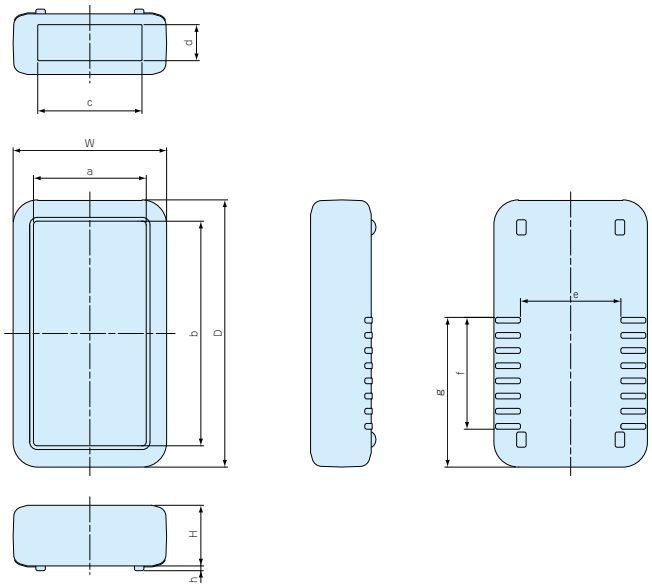
Serie LCSC Silikonhülle — Series LCSC Silicone Cover

Farbcode - Color Type

Code	R Rot / R Red	Y Gelb / Y Yellow	G Grün / G Green	B Blau / B Blue	N Navy / N Navy	D Dunkelgrau / D Dark gray	L Hellgrau / L Light gray
Farbe - Color							

- Silikonhülle für die Serie LC. Neue Größen verfügbar!
- Kundenspezifische Farben ab 500 Stück. Bitte **PANTONE**®-Farbe angeben, oder Farbmuster.

- Silicone cover for LC Series. New sizes now available!
- Custom color is available from 500pcs per order batch. For custom color order, please specify **PANTONE**®, RGB color number or provide your sample color.



Einzelteile

Part name	Material	Color
Silikonhülle	Silikon	Rot • Gelb • Grün • Blau • Navy • Dunkelgrau • Hellgrau

Components

Part name	Material	Color
Silicone cover	Silicone	Red • Yellow • Green • Blue • Navy • Dark gray • Light gray

Best.-Nr. / Maße
Product no. / Dimensions

- Bitte ergänzen Sie den Farbcode am Ende der Bestellnr.
- Please suffix color code at the end of the product number.

Best.-Nr. / Product no.	W	H	D	a	b	c	d	e	f	g	h	Gehäuse / Suitable case	Gewicht (g) / Weight (g)
LCSC115 -☐	74	24	120	55.5	101.5	48.3	12	46	44.5	60.5	2	LC115	43
LCSC115H-☐	74	32.5	120	55.5	101.5	48.3	20.5	46	44.5	60.5	2	LC115H	50
LCSC135 -☐	81	32	141	59.5	118.5	55	19	53	59	79	2.5	LC135	70
LCSC135H-☐	81	40	141	59.5	118.5	55	27	53	59	79	2.5	LC135H	75.5
NEW LCSC145S-☐	101	25	151	76.5	125.5	71	12	71	59	81	2.5	LC145S	73.4
NEW LCSC145 -☐	101	32	151	76.5	125.5	71	19	71	59	81	2.5	LC145	81
NEW LCSC145H-☐	101	40	151	76.5	125.5	71	27	71	59	81	2.5	LC145H	89
LCSC165 -☐	85	32	171	63.5	148.5	59	19	53	67	92	2.5	LC165	82.5
LCSC165H-☐	85	40	171	63.5	148.5	59	27	53	67	92	2.5	LC165H	86

Serie LCE EMV geschirmtes Kunststoffgehäuse

Series LCE EMC shielded hand-held plastic case

EMC Shielding Effects

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Serie LCE ist eine EMV abgeschirmte Version des Kunststoffgehäuses Serie LC. Innenseitig beschichtet mit DOTITE leitfähiger Farbe (mit leitfähigen Nickelpartikeln).
- Designed mit angefasten Kanten und runden Ecken, gefertigt aus schwerentflammbaren ABS UL94V-0 Material.
- Geeignet für Messinstrumente, Testgeräte, drahtlose Kommunikationsgeräte, medizinische Anwendungen uvm.
- LCE series is an EMC shielded version of LC hand-held plastic case coated internally with DOTITE conductive paint (acrylic paint mixed with nickel filler).
- Designed with beveled edges and rounded corners, and manufactured from flame-resistant ABS UL94V-0 material.
- Recommended to be used as measurement instruments, testing devices, wireless communication gadgets, medical equipment, and so on.

Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche	leitfähige Farbe
1	Deckel	1	ABS UL94V-0	dunkelgrau	DOTITE
2	Boden	1	ABS UL94V-0	dunkelgrau	DOTITE
3	Deckelpatte	1	ABS UL94V-0	dunkelgrau	DOTITE
4	Schraube	4	Stahl M2.6	schwarz verchromt	—

Components

No.	Part name	Pcs	Material	Color / Finish	Conductive paint
1	Top cover	1	ABS UL94V-0	Dark gray	DOTITE
2	Bottom cover	1	ABS UL94V-0	Dark gray	DOTITE
3	Panel	1	ABS UL94V-0	Dark gray	DOTITE
4	Self-tapping screw	4	Steel M2.6	Black trivalent chromate	—

Zubehör (optional erhältlich) - Accessories (optional parts)

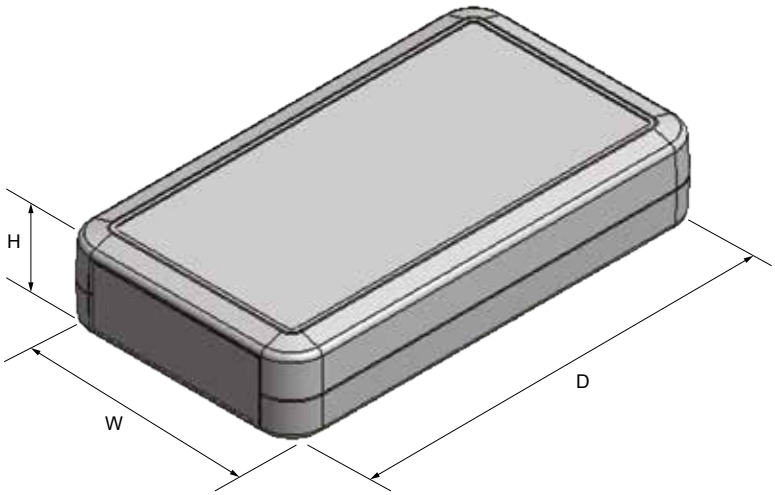
Silikonhülle Serien LCTP • LCSC
Silicone cover LCTP • LCSC series

Abstandbolzen Serien TPS
Tapping standoff TPS series

PCB Montageschraube EM-2.3
PCB mounting screw EM-2.3

TORX Schraube Serien MR
TORX screw MR series

Wandhalterung Serien WM
Suspension bracket WM series



Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.		W	H	D	mitgelieferte Schrauben Included screws	Gewicht (g) Weight (g)
NEW	LCE115 -N -D	69	19.5	115	Senkkopfschraube Countersunk M2.6-14 x 4 pcs	72.5
NEW	LCE115H -N -D	69	28	115	Senkkopfschraube Countersunk M2.6-18 x 4 pcs	84
NEW	LCE135 -N -D	76	27	135	Senkkopfschraube Countersunk M2.6-18 x 4 pcs	97
NEW	LCE145H -N -D	96	35	145	Senkkopfschraube Countersunk M2.6-18 x 4 pcs	137
NEW	LCE165H -N -D	80	35	165	Senkkopfschraube Countersunk M2.6-18 x 4 pcs	139

LEIFÄHIGE VERSIONEN ERHÄLTLICH für Serien LC.

Standardmäßig haben wir nur ausgewählte Größen als EMV Versionen definiert.
Andere Größen auf Anfrage ebenfalls als leifähige Version erhältlich.

CONDUCTIVE PAINT CUSTOMIZATION AVAILABLE for LC series.

The LCE series are a selected few models of the LC series, customized with conductive paint.
Other LC series enclosures not listed can also be customized with conductive paint.

Serie WC Series WC

- TPE Seitengriffe dienen als Fallschutz und ermöglichen eine sichere Handhabung.
- Geeignet für Anwendungen im Bereich Remote Controller, Schlüsselanhänger, RFID etc.
- Varianten mit CR2032 Knopfbatterie und ohne Batteriefach.
- Verfügbar in 4 verschiedenen Größen und 7 Batteriefachtypen; drei Farbvarianten.

- TPE side grip provides not only a comfortable grip, but also protects from drop impact.
- Suitable to be used as a remote controller, key fob, wireless device, RFID tag, and so on.
- Case with a CR2032 coin battery, and no battery compartment types are available.
- Available in 4 different sizes, 7 model types, and 3 color variations.

Technische Daten
Schutzklasse: IP67 Temperaturbereich: -10°C ~ +50°C Empfohlenes Drehmoment: 0.06 ~ 0.08N • m

Technical Data
Protection class: IP67 Operating temperature: -10°C ~ +50°C Recommended torque: 0.06 ~ 0.08N • m

ohne Batteriefach
None battery compartment type

mit Batteriefach
Battery compartment type

Komponenten

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Oberschale	1	ABS UL94HB : Elastomer	schwarz : schwarz • schwarz : marine • schwarz : lichtgrau
2	Unterschale	1	ABS UL94HB : Elastomer	schwarz : schwarz • schwarz : marine • schwarz : lichtgrau
3	Batteriefachdeckel	1	ABS UL94HB	schwarz • weiß
4	Batteriekontakt	1 set	Edelstahl SUS304	vernickelt
5	O-Ring	1	Silikon	schwarz
6	Schrauben	7	Edelstahl SUS304	unbehandelt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94HB : Elastomer	Black : Black • Black : Marine • Black : Light gray
2	Bottom cover	1	ABS UL94HB : Elastomer	Black : Black • Black : Marine • Black : Light gray
3	Battery lid	1	ABS UL94HB	Black • White
4	Battery contact	1 set	Stainless steel SUS304	Nicked plated
5	O-ring	1	Silicone	Black
6	Screw	7	Stainless steel SUS304	Unfinished

Zubehör (optional erhältlich) Accessories (optional parts)

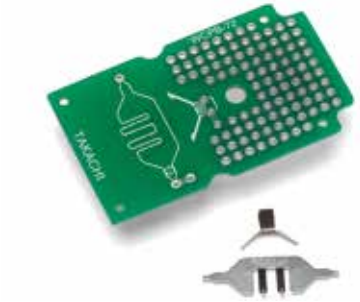
Passendes PCB
Exclusive PCB
Serie WCPB, WCPB series

Schlaufe
Strap
Serie STPS, STPS series

PCB Montageschraube
PCB mounting screw
EM-1.6

Neodym Magnet
Neodymium magnet
Serie NMG, NMG series

Installation des Batteriekontaktes
Coin battery contact installation step



Löten Sie den Kontakt auf die Leiterplatte
Solder the contacts onto the PCB

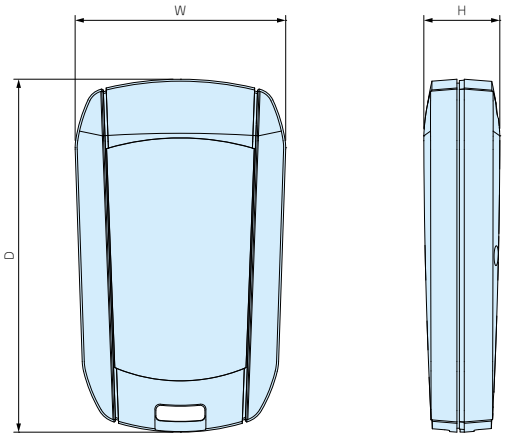
Montieren sie das PCB in die Oberschale
Install the PCB in the top cover

Fertig!
All set!

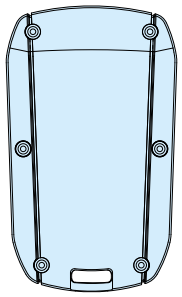
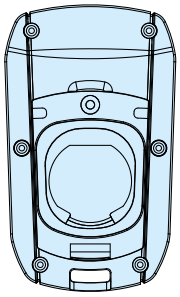
- Die Batterieausrichtung ist auf der Innenseite des Batteriedeckels eingeprägt.
- Battery direction is incused on the inner side of the battery lid.

VORSICHT Bei der Montage und Ausrichtung des Batteriekontaktes.

CAUTION Use caution when mounting battery contacts.



Batteriefach Typen
Type Battery Compartments

Type	N	C
	None / ohne	CR2032 x1
Batteriefach Battery compartment		

Farbvarianten - Color Types

Code	BB	BM	WL
Gehäuse Body	schwarz Black	schwarz Black	weiß White
Griff Grip	schwarz Black	marine Marine	lichtgrau Light gray
Farbe - Color			

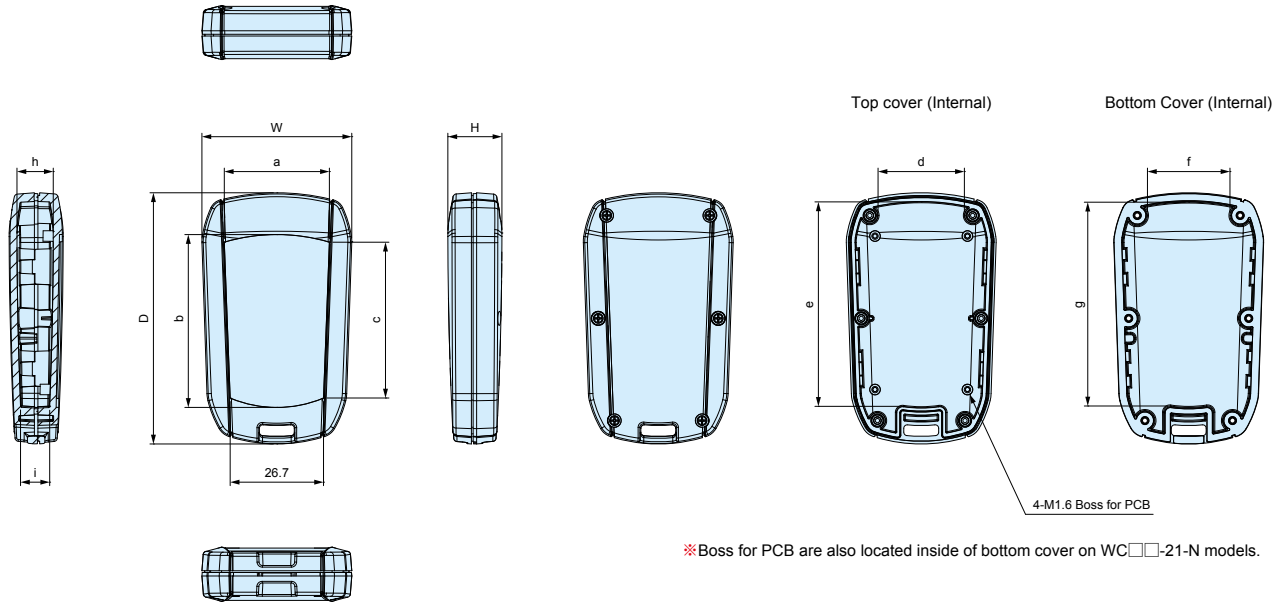
Best.-Nr. / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende
- Please suffix color code at the end of the product number.

	Best-Nr. Product no.	W	H	D	Batteriefach Battery Compartment	Gewicht (g) Weight (g)
	WC72-15-N-□□	43	15.5	72	None	18.5
	WC72-15-C-□□	43	15.5	72	CR2032	22
NEW	WC72-21-N-□□	43	21.5	72	None	22
NEW	WC72-21-C-□□	43	21.5	72	CR2032	25.5
	WC90-15-N-□□	44.2	15.7	90	None	23
	WC90-15-C-□□	44.2	15.7	90	CR2032	26.5
NEW	WC90-21-N-□□	44.2	21.7	90	None	27

WC Maße WC Dimensions

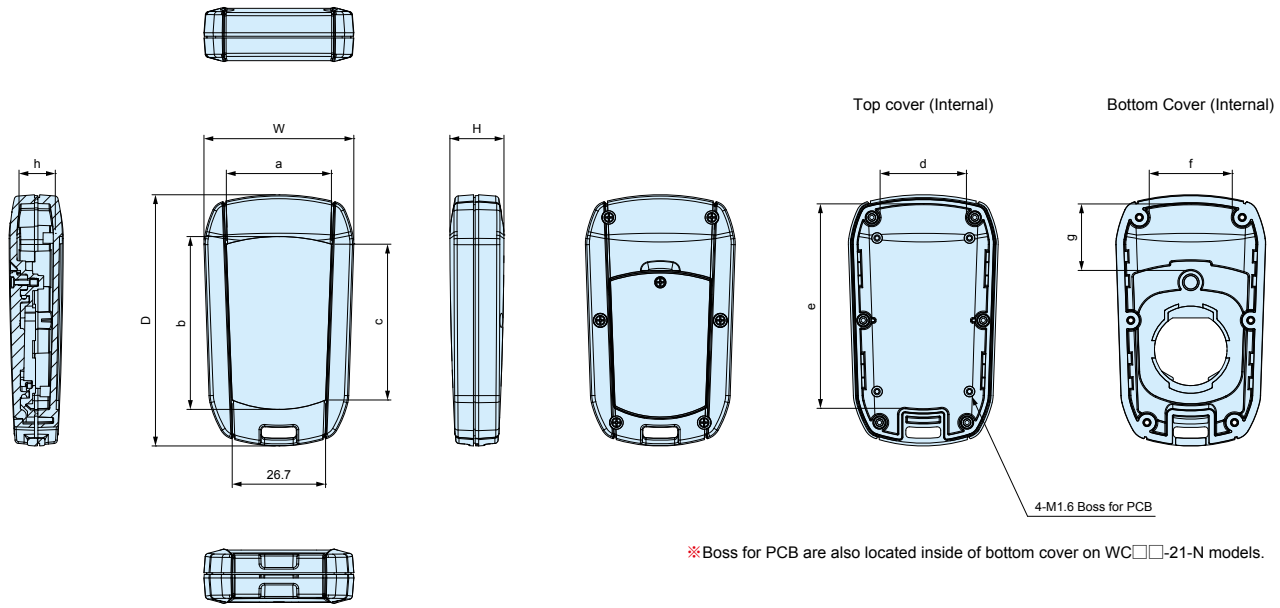
WC72-15-N / WC72-21-N
WC90-15-N / WC90-21-N



※Boss for PCB are also located inside of bottom cover on WC□□-21-N models.

Best-Nr. Product no.	W	H	D	a	b	c	d	e	f	g	h	i
WC72-15-N-□□	43	15.5	72	30.1	49.5	44.7	24.7	58.6	23.6	58.4	10.4	8.3
WC72-21-N-□□	43	21.5	72	30.1	49.5	44.7	24.7	58.6	23	56.3	16.3	14.3
WC90-15-N-□□	44.2	15.7	90	31.4	67.5	62.7	26.1	76.6	25	76.4	10.4	8.3
WC90-21-N-□□	44.2	21.7	90	31.4	67.5	62.7	26.1	76.6	24.4	74.3	16.4	14.3

WC72-15-C / WC72-21-C
WC90-15-C



※Boss for PCB are also located inside of bottom cover on WC□□-21-N models.

Best-Nr. Product no.	W	H	D	a	b	c	d	e	f	g	h
WC72-15-C-□□	43	15.5	72	30.1	49.5	44.7	24.7	58.6	23.8	19	10.4
WC72-21-C-□□	43	21.5	72	30.1	49.5	44.7	24.7	58.6	23	17.3	16.3
WC90-15-C-□□	44.2	15.7	90	31.4	67.5	62.7	26.1	76.6	25	36.9	10.4

Serie WCPB

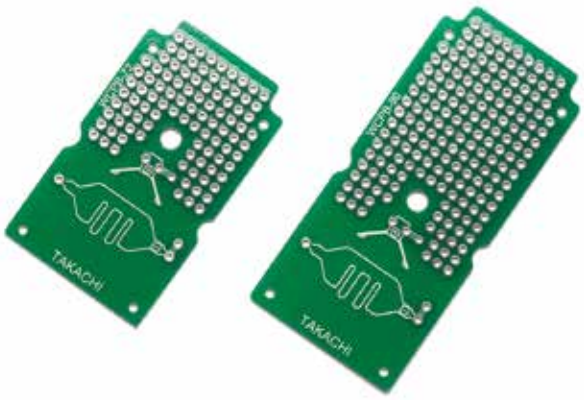
Series WCPB

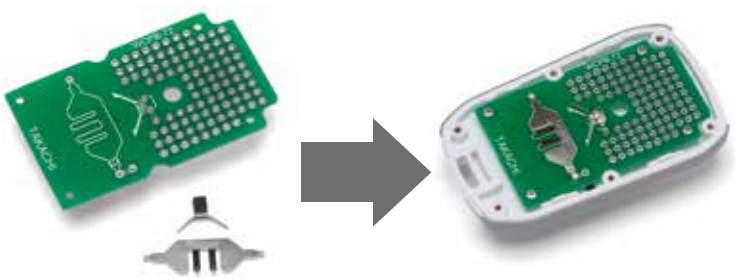
- Exklusive Leiterplatte für die Serie WC.
- FR4 Leiterplatte mit Durchgangslöchern; 2.54mm Lochabstand.
- Konstruiert mit Durchbruch für den Batteriekontakt. Angaben zur Batteriekontaktstellung und -richtung wurden auf die Leiterplatten gedruckt.

- Exclusive PCB for WC series.
- Glass epoxy board (FR-4), through-holes on both sides, 2.54mm hole pitch.
- Designed with a battery contact hole. Battery contact position and direction are printed onto the pcb.

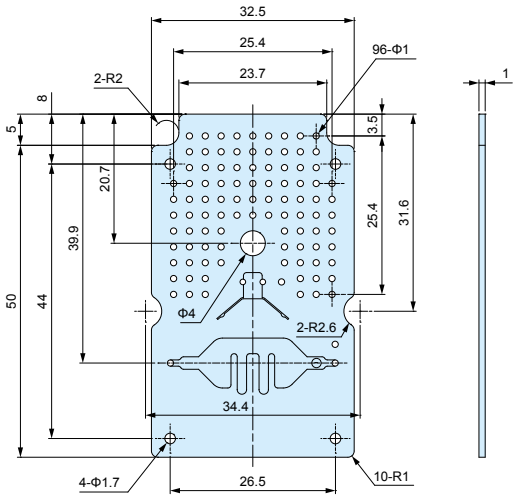
Verwenden Sie bitte die passenden Batteriekontakte für diese Serie.

Please use battery contacts included with WC case.

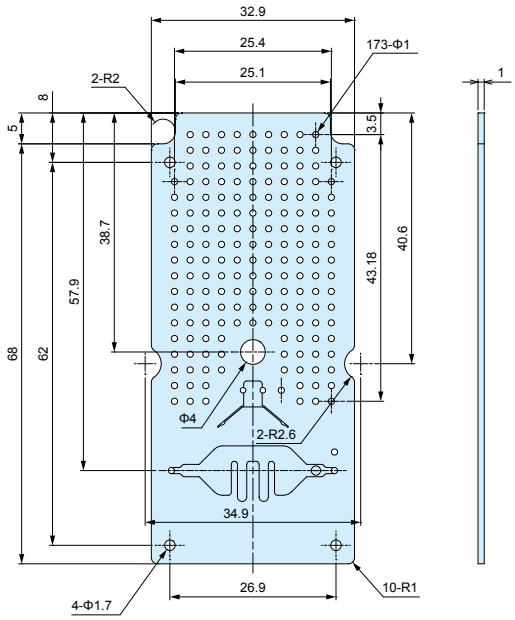




WCPB-72



WCPB-90



Hinweis : Bohrungen (4-Ø1.7) zur Leiterplattenmontage sind nicht durchkontaktiert.
Note : Holes (4-Ø1.7) for PCB mounting bosses are un-soldered.

Komponenten

Bezeichnung	Stück	Material	Farbe / Oberfläche
PCB	1	FR4-Material / t=1.0	Durchgangslöcher • bleifreies Lot • Lötstopplack
Schraube	4	Stahl M1.6-4	Dreiwertiges Chromat

Components

Part name	Pcs	Material	Color / Finish
PCB	1	Glass epoxy (FR-4) t=1.0	Through-hole • Lead-free solder • Solder resist
Screw	4	Steel (Tapping M1.6-4)	Trivalent chromate

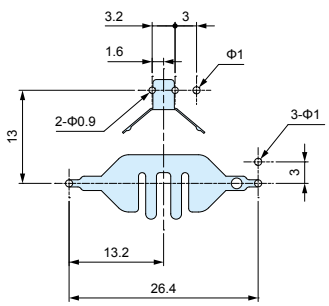
Bestellnummer / Maße

Best-Nr.	geeignetes Gehäuse
WCPB- 72	WC72-15-C WC72-21-C
WCPB- 90	WC90-15-C

Product no. / Dimensions

Product no.	Suitable case
WCPB- 72	WC72-15-C WC72-21-C
WCPB- 90	WC90-15-C

Battery contact position details



Serie CSS tragbares Kunststoffgehäuse mit Silikonhülle

Series CSS portable plastic case with silicone cover

Technische Daten
Schutzklasse: IP40 Temperaturbereich -10°C ~ +60°C

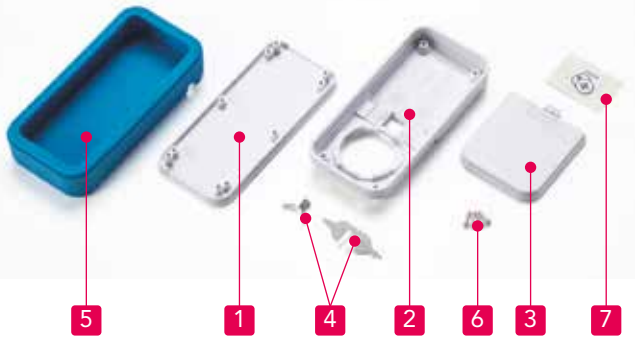
Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Kleines Kunststoffgehäuse mit Silikonhülle, stoßfest und rutschhemmend.
- Smartphone Formfaktor CSS115 für 2x CR2032 Batteriefach, kleinere Gehäuse mit und ohne Batteriefach.
- Geeignet für Fernbedienungen, Schlüsselanhänger, Testgeräte oder andere Anwendungen.
- Verfügbar in 3 Größen mit 6x Ausführungen und 12x verschiedenen Farbvarianten.
- 2x verschiedenen Arten von Silikonhüllen mit und ohne Öffnung auf der kurzen Seite.

- Small plastic case with silicone cover. Strong against drop impact while providing a secure grip.
- Smart phone sized CSS115 comes with 2 CR2032 battery compartment while smaller sized single battery and no battery compartment types are also available.
- Suitable for remote controller, wireless key fob, small tester/device and so on.
- Available in 3 sizes with 6 models and selectable in 12 different color combinations.
- 2 types of silicone cover available which have with (Open) and without (Closed) rectangular cutout on the front side.

CSS75N/CSS90N/CSS115N (No battery compartment type)

CSS75/CSS90/CSS115 (Battery compartment type)



Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Deckel	1	ABS UL94HB	weiß • schwarz
2	Boden	1	ABS UL94HB	weiß • schwarz
3	Batteriefachdeckel	1	ABS UL94HB	weiß • schwarz
4	Batterie Kontakt	1 Satz / 2 Satz (CS115)	Edelstahl	vernickelt
5	Silikon Hülle	1	Silikon	pink • gelb • grün • cyan • lichtgrau • schwarz
6	Selbstschneidene Schrauben	4	Stahl M1.6	vernickelt • schwarz chromatiert
7	CR2032 Aufkleber	1	PP	—

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94HB	white • black
2	Bottom cover	1	ABS UL94HB	white • black
3	Battery cover	1	ABS UL94HB	white • black
4	Battery contact	1 set / 2 set (CS115)	Stainless steel	nickel plated
5	Silicone cover	1	Silicone	pink • yellow • green • cyan • light gray • black
6	Self tapping screw	4	Steel M1.6	nickel plated • black trivalent chromate
7	CR2032 sticker	1	PP	—

Zubehör (optional erhältlich) - Accessories (optional parts)

Exklusive Leiterplatte
Exclusive PCB
CSPB series

Tragschlaufe
Strap
STPS series

PCB Montageschraube
PCB mounting screw
EM-1.6

TORX Schraube
TORX screw
MR1.6-6S

Neodymium magnet
NMG series

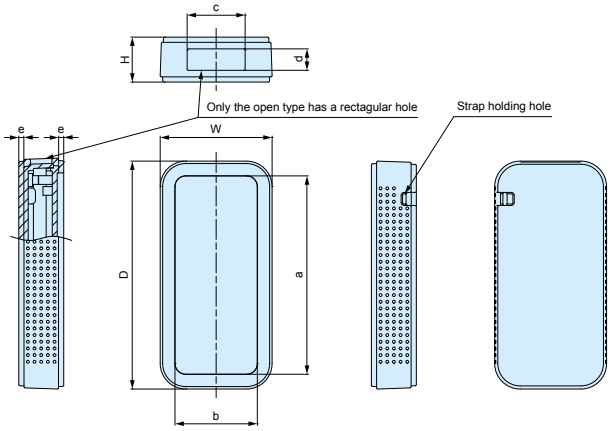
Zubehör (optional erhältlich) Accessories (optional parts)

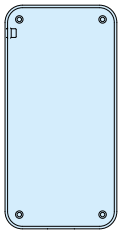
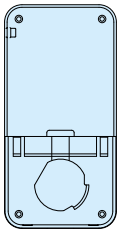
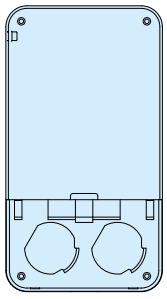
Silikonhüllen Typ - Silicone Cover Type

Code	CL Geschlossen - Closed	OP Offen - Open
Ausführung Shape		

Farbcode - Color Type

Code	BP schwarz / pink BP black / pink	BY schwarz / gelb BY black / yellow	BG schwarz / grün BG black / green	BC schwarz / cyan BC black / cyan	BL schwarz / lichtgrau BL black / light gray	BB schwarz / schwarz BB black / black
Farbe - Color						
Code	WP weiß / pink WP white / pink	WY weiß / gelb WY white / yellow	WG weiß / grün WG white / green	WC weiß / cyan WC white / cyan	WL weiß / lichtgrau WL white / light gray	WB weiß / schwarz WB white / black
Farb e - Color						



Typ Type	None CSS75N/90N/115N	CR2032 × 1 CSS75/CSS90	R2032 × 2 CSS115
Batteriefach Battery compartment			

Best.-Nr. / Maße - Product no. / Dimensions

■ Bitte ergänzen Sie den Farbcode am Ende der Best.-Nr. - ■ Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	a	b	c	d	e	Batteriefach Battery compartment	Gewicht (g) Weight (g)
CSS 75N -CL -□□	38.6(35)	15.5(12)	78.6 (75)	68.4	28.4	-	-	1.75	None	24
CSS 75N -OP -□□	38.6(35)	15.5(12)	78.6 (75)	68.4	28.4	20	7.4	1.75	None	24
CSS 75 -CL -□□	38.6(35)	15.5(12)	78.6 (75)	68.4	28.4	-	-	1.75	CR2032×1	25
CSS 75 -OP -□□	38.6(35)	15.5(12)	78.6 (75)	68.4	28.4	20	7.4	1.75	CR2032×1	25
CSS 90N -CL -□□	48.6(45)	15.5(12)	93.6 (90)	82.4	37.4	-	-	1.75	None	36
CSS 90N -OP -□□	48.6(45)	15.5(12)	93.6 (90)	82.4	37.4	30	7.4	1.75	None	35
CSS 90 -CL -□□	48.6(45)	15.5(12)	93.6 (90)	82.4	37.4	-	-	1.75	CR2032×1	38
CSS 90 -OP -□□	48.6(45)	15.5(12)	93.6 (90)	82.4	37.4	30	7.4	1.75	CR2032×1	37
CSS115N -CL -□□	67.1(63)	16 (12)	119.1(115)	107.4	55.4	-	-	2	None	62
CSS115N -OP -□□	67.1(63)	16 (12)	119.1(115)	107.4	55.4	45	7.4	2	None	61
CSS115 -CL -□□	67.1(63)	16 (12)	119.1(115)	107.4	55.4	-	-	2	CR2032×2	65
CSS115 -OP -□□	67.1(63)	16 (12)	119.1(115)	107.4	55.4	45	7.4	2	CR2032×2	64

■ ( ) Klammerwert = Gehäuseabmessung - ■ ( ) value = enclosure dimension.

Serie CS tragbares Kunststoffgehäuse

Series CS portable plastic case

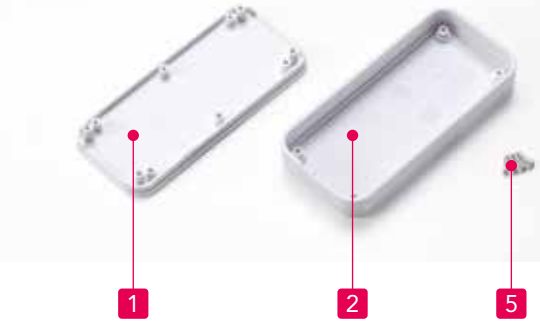
Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Einfache Batteriemontage. Batterieaufnahme vorhanden. (Außer für N-Version).
- Geeignet als Fernbedienung, Schlüsselanhänger, kleine Testgeräte, uvm.
- 3 Größen mit 2x verschiedenen Farben verfügbar.

- Easy replacement of batteries. Battery contact included in each case (except for N type).
- Suitable for remote controller, wireless key fob, or small tester/device, etc.
- 3 sizes with 2 different color types available.

CS75N/CS90N/CS115N (No battery compartment type)



CS75/CS90/CS115 (Battery compartment type)

Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Deckel	1	ABS UL94HB	weiß • schwarz
2	Boden	1	ABS UL94HB	weiß • schwarz
3	Batteriefachdeckel	1	ABS UL94HB	weiß • schwarz
4	Batterie Kontakt	1 Satz / 2 Satz (CS115)	Edelstahl	vernickelt
5	Selbstschneidene Schrauben	4	Stahl M1.6	vernickelt • schwarz chromatiert
6	CR2032 Aufkleber	1	PP	—

Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94HB	white • black
2	Bottom cover	1	ABS UL94HB	white • black
3	Battery cover	1	ABS UL94HB	white • black
4	Battery contact	1 set / 2 set (CS115)	Stainless steel	nickel plated
5	Self tapping screw	4	Steel M1.6	nickel plated • black trivalent chromate
6	CR2032 sticker	1	PP	—

Zubehör (optional erhältlich) - Accessories (optional parts)

Exklusive Leiterplatte
Exclusive PCB
CSPB series

Trageschlaufe
Strap
STPS series

PCB Montageschraube
PCB mounting screw
EM-1.6

TORX Schraube
TORX screw
MR1.6-6S

Wandmontagehalterung
Wall suspension bracket
WM series

Neodymium magnet
NMG series

Zubehör (optional erhältlich) Accessories (optional parts)

Soldering the contacts on PCB

Installing PCB on top cover

All set

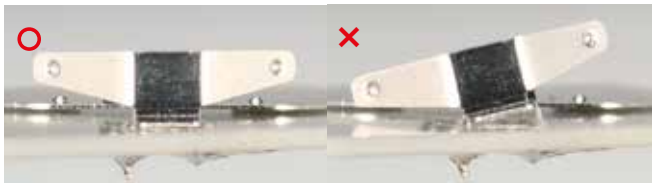
■ Exklusive Leiterplatte als Zubehör verfügbar.

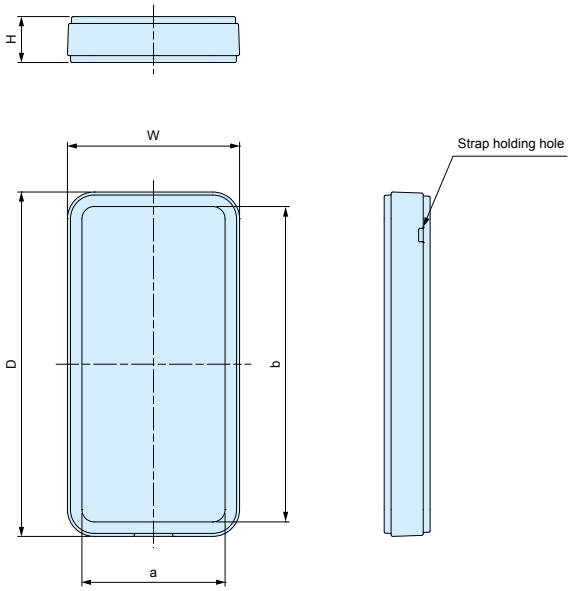
■ Exclusive PCB is available as an optional part.

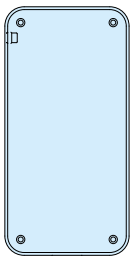
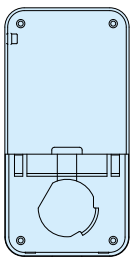
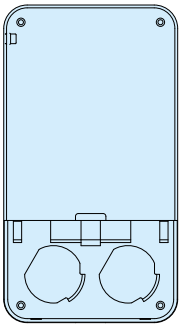
Kleben Sie den CR2032 Aufkleber auf die Rückseite des Batteriedeckels, um eine falsche Montage zu verhindern.
Stick the CR2032 sticker on the backside of the battery cover to avoid incorrect placement of the battery.

HINWEIS Achten Sie auf die Montageposition des Batteriekontaktes.

NOTE Take caution of the mount position of the battery contact.





Typ Type	None CS75N/90N/115N	CR2032 × 1 CS75/CS90	CR2032 × 2 CS115
Batteriefach Battery compartment			

Best.-Nr. / Maße
Product no. / Dimensions

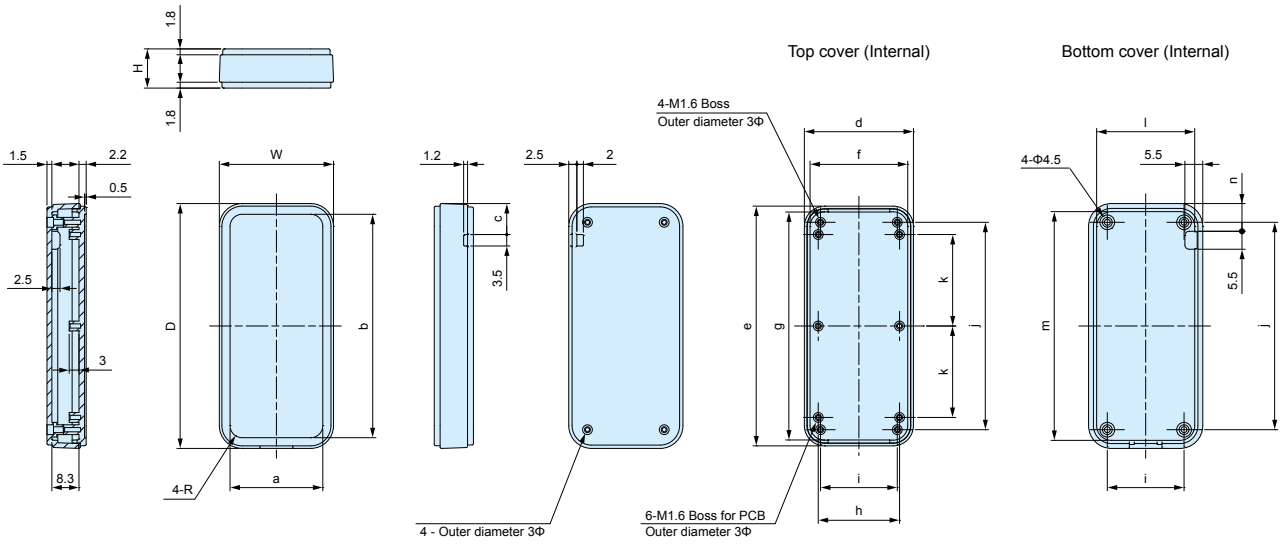
■ Bitte ergänzen Sie den Farbcode am Ende der Bestellnr.

■ Please suffix color code at the end of the product number.

Best.-Nr. - Product no.		W	H	D	a	b	Batteriefach Battery compartment	Gewicht (g) Weight (g)
● black	○ white							
CS 75N-B	CS 75N-W	35	12	75	28.4	68.4	None	12
CS 75 -B	CS 75 -W	35	12	75	28.4	68.4	CR2032 × 1	13
CS 90N-B	CS 90N-W	45	12	90	37.4	82.4	None	18
CS 90 -B	CS 90 -W	45	12	90	37.4	82.4	CR2032 × 1	20
CS115N-B	CS115N-W	63	12	115	55.4	107.4	None	30
CS115 -B	CS115 -W	63	12	115	55.4	107.4	CR2032 × 2	33

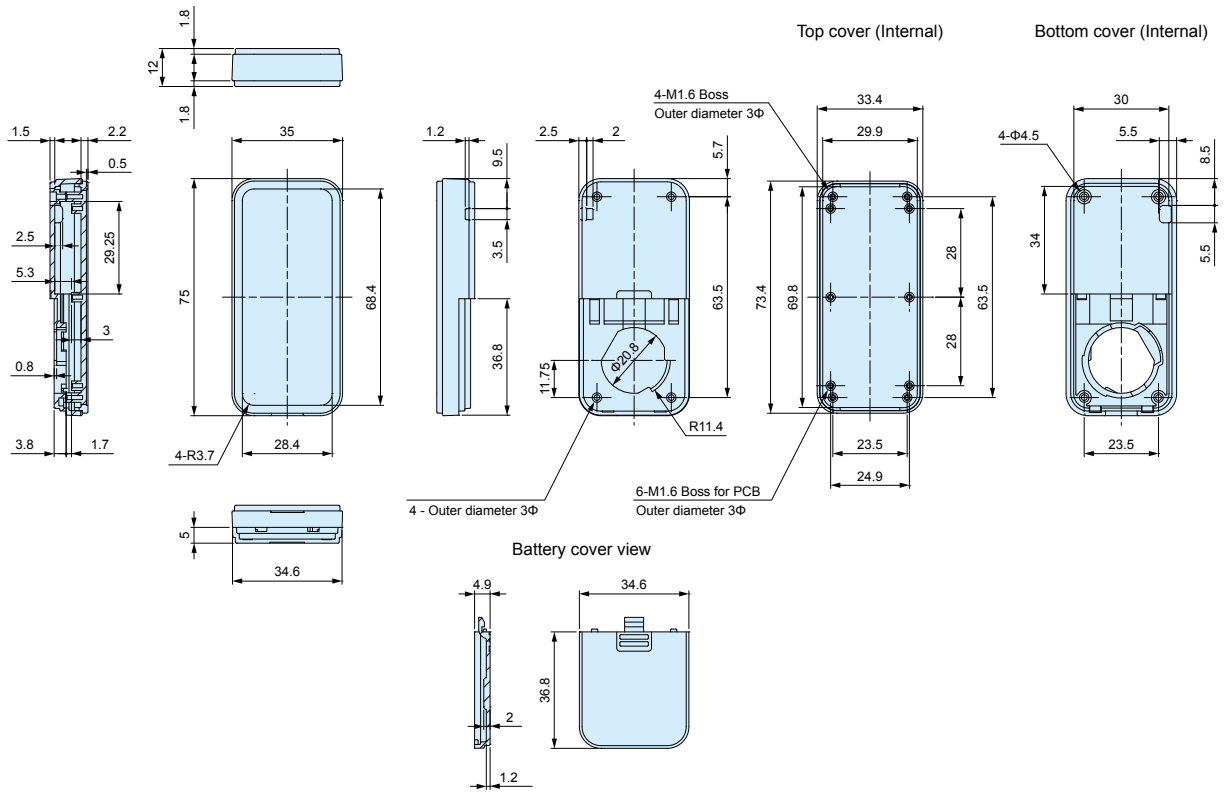
CSS - CS Maße CSS - CS dimensions

CS75N/CS90N/CS115N



Best.-Nr.	W	H	D	R	a	b	c	d	e	f	g	h	i	j	k	l	m	n
Product no.	W	H	D	R	a	b	c	d	e	f	g	h	i	j	k	l	m	n
CS75 N-□	35	12	75	3.7	28.4	68.4	9.5	33.4	73.4	29.9	69.8	24.9	23.5	63.5	28	30	70	8.5
CS90 N-□	45	12	90	3.2	37.4	82.4	9.5	43.4	88.4	39.9	84.8	34.9	33.5	78.5	35.5	40	85	8.5
CS115N-□	63	12	115	4.7	55.4	107.4	10.5	61.4	113.4	57.9	109.8	52.9	50.5	102.5	47.5	58	110	9.5

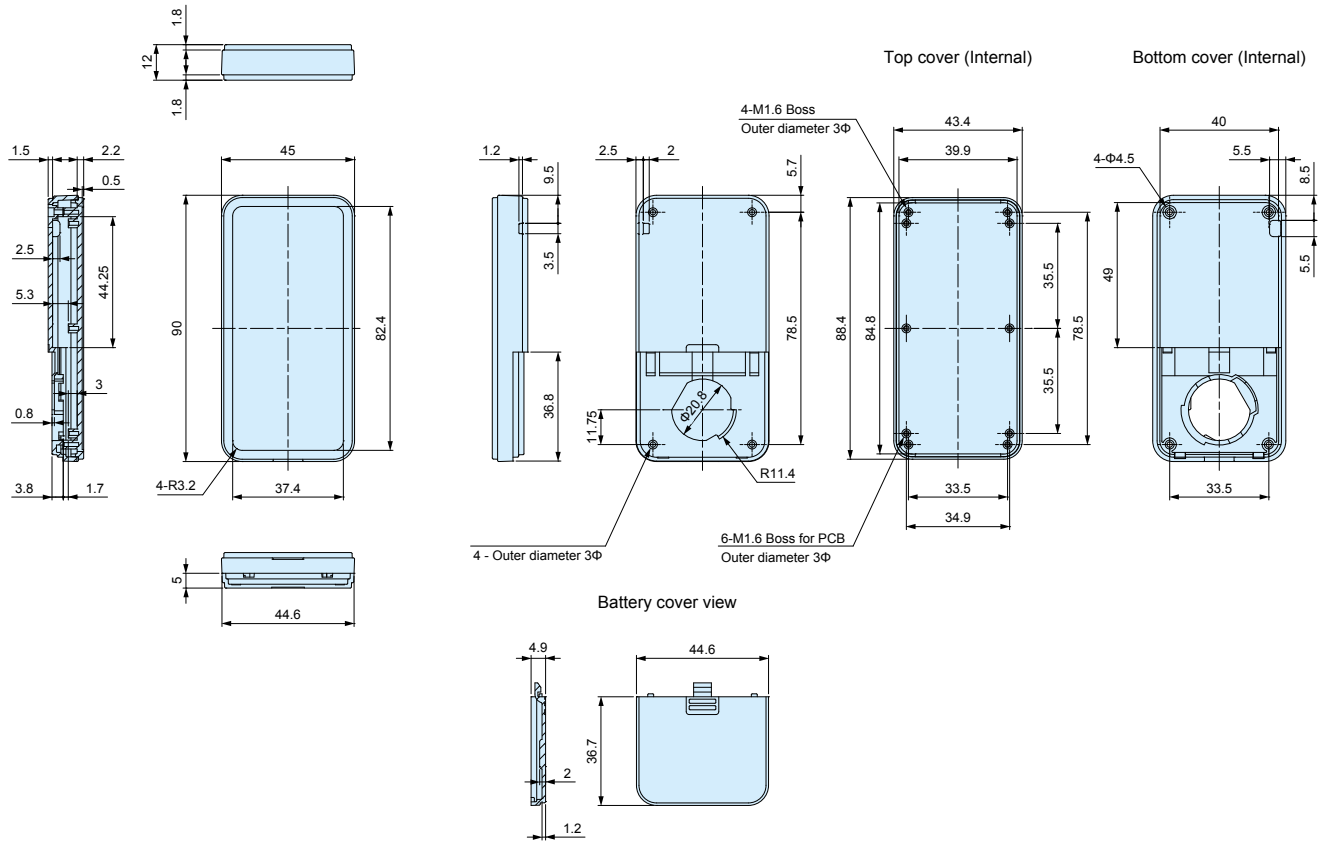
CS75



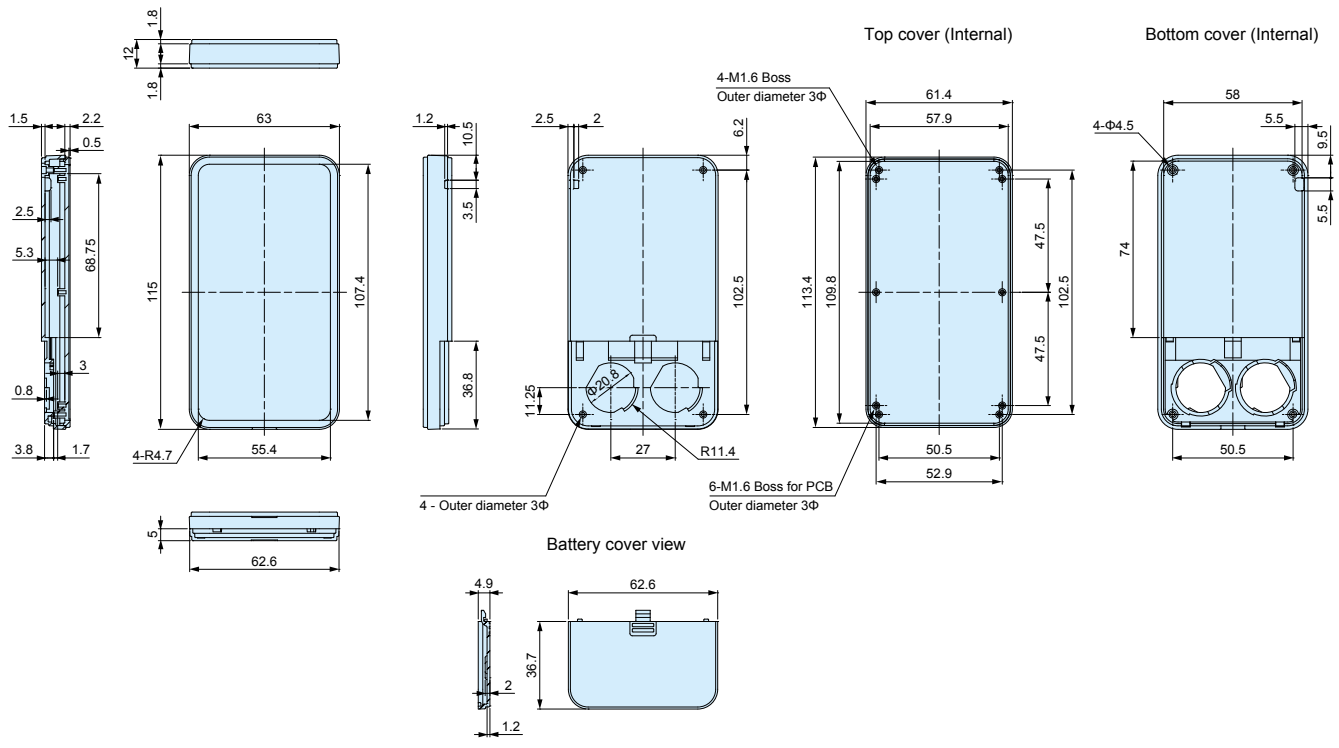
CSS - CS Maße

CSS - CS dimensions

CS90



CS115



Serie CSSC
Silikonhülle

Series CSSC
silicone cover

Silikonhüllen Typ - Silicone Cover Type

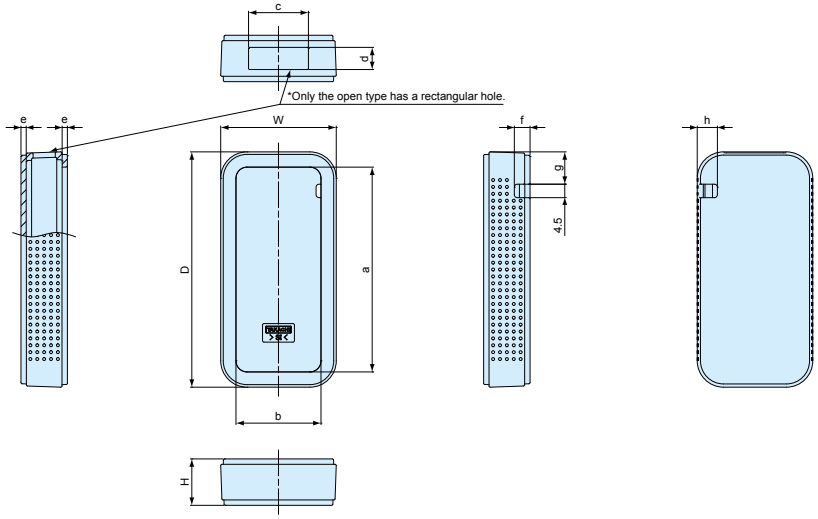
Code	CL Geschlossen - Closed	OP Offen - Open
Ausführung Shape		

- 2 verschiedene Silikonhüllen, Version mit Öffnung und eine geschlossene Version mit Ausbruch auf der kurzen Seite. Wählbar in 6 verschienden Farben.
- Kundenspezifische Farben ab 1000 Stück möglich.
- Für kundenspezifische Farben bitte **PANTONE®** -Farbnummer angeben, oder Farbmuster zur Verfügung stellen.

- 2 types of silicone cover which have with (Open) and without (Closed) rectangular cutout on the front side; selectable in 6 different colors.
- Custom color is available from 1,000pcs per order batch.
- For custom color order, please specify **PANTONE®**, RGB color number, or provide your sample color.

Farbcode - Color Type

Code	P pink	Y gelb	G grün	C cyan	L lichtgrau	B schwarz
	P pink	Y yellow	G green	C cyan	L light gray	B black
Farbe - Color						



Einzelteile - Components

Bezeichnung - Part name	Material	Farbe - Color
Silikonhülle	Silikon	pink • gelb • grün • cyan • lichtgrau • schwarz
Silicone cover	Silicone	pink • yellow • green • cyan • light gray • black

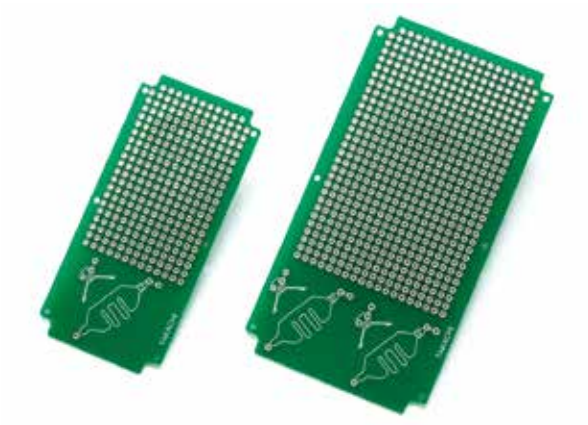
Best.-Nr. / Maße
Product no. / Dimensions

- Bitte ergänzen Sie den Farbcode am Ende der Bestellnr.
- Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	a	b	c	d	e	f	g	h	Gehäuse Suitable case	Gewicht (g) Weight (g)
CSSC 75-CL-□	38.6	15.5	78.6	68.4	28.4	–	–	1.75	5.25	10.8	6.7	CS 75	12
CSSC 75-OP-□	38.6	15.5	78.6	68.4	28.4	20	7.4	1.75	5.25	10.8	6.7	CS 75	12
CSSC 90-CL-□	48.6	15.5	93.6	82.4	37.4	–	–	1.75	5.25	10.8	6.7	CS 90	18
CSSC 90-OP-□	48.6	15.5	93.6	82.4	37.4	30	7.4	1.75	5.25	10.8	6.7	CS 90	17
CSSC115-CL-□	67.1	16	119.1	107.4	55.4	–	–	2	5.5	12.1	7	CS115	32
CSSC115-OP-□	67.1	16	119.1	107.4	55.4	45	7.4	2	5.5	12.1	7	CS115	31

Serie CSPB exklusive Leiterplatte für CS - CSS

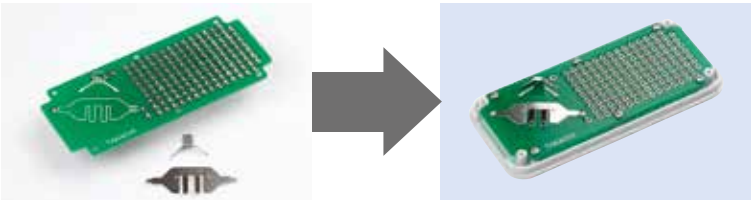
Series CSPB exclusive PCB for CS - CSS



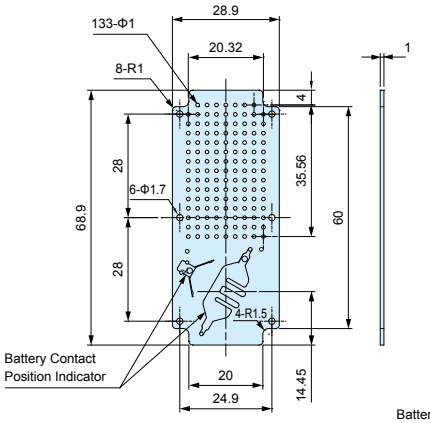
- Exklusive Leiterplatte für CS • CSS Gehäuse.
- Glasepoxit (FR-4), durchkontaktiert 2.54 mm Raster.
- Vorgefertigte Bohrungen für Batteriekontakt CS • CSS Gehäuse. Beschriftung der Kontaktrichtung steht auf der Leiterplatte.

- Exclusive PCB for CS • CSS case.
- Glass epoxy board (FR-4), through-hole on both sides and 2.54 mm hole distance.
- Prefabricated holes for battery contact use with CS • CSS case. The contact directions are printed on the PCB.

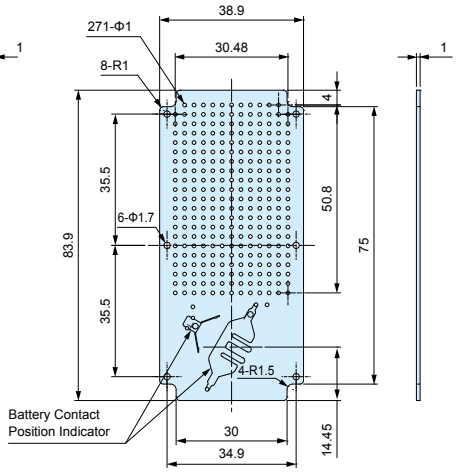
Lötvorgang der Batteriekontakte (enthalten) auf der Leiterplatte - Soldering the battery contacts (included with each case) onto the PCB.



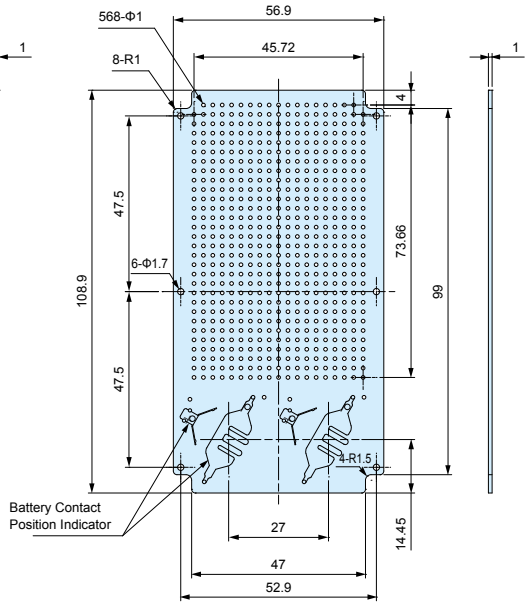
CSPB-75



CSPB-90



CSPB-115



Note : Holes (6-Ø1.7) for PCB mount bosses are un-soldered.

Einzelteile

Bezeichnung	Stück	Material	Oberfläche
Leiterplatte	1	Glasepoxit (FR-4) t=1.0	Durchgangsloch • Bleifrei • Lötstopplack
Schraube	6	Stahl M1.6	schwarz chromatiert

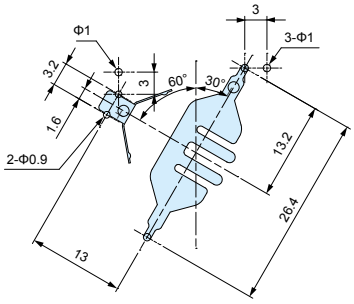
Components

Part name	Pcs	Material	Finish
PCB	1	Glass epoxy (FR-4) t=1.0	Through-hole • Lead-free solder • Solder resist
Self tapping screw	6	Steel M1.6	Trivalent chromate

Best.-Nr. - Product no.

Best.-Nr - Product no.	Gehäuse - Suitable case
CSPB- 75	CS75, CSS75
CSPB- 90	CS90, CSS90
CSPB-115	CS115, CSS115

Battery Contact Position Indicator Details



Serie PS
Mobiles Kunststoffgehäuse

Series PS
portable plastic case

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Snap-In-Gehäuse ohne Schrauben.
- Ansprechendes Design.
- Neue Größen und Formen verfügbar.
- 5 verschiedene Farben zur Auswahl.
- Geeignet als kabellose Fernbedienungen und RFID-Produkte.
- Mit Befestigungsöse für Tragschlaufe.

- Simple snap-in case without screws.
- Comfortable shape and hold.
- New round-type PS-50 model, and large-sized PS-100 model are now available.
- 5 different colors are available for selection.
- Suitable for use as a wireless device, remote control, key fob etc.
- Designed with an easily accessible hole for strap attachment.

Einzelteile

Nr.	Bezeichnung	Material	Farbe / Oberfläche
1	Deckel	ABS UL94HB	Weiß • Schwarz • Cobaltblau • Grün • Pink
2	Boden	ABS UL94HB	Weiß • Schwarz • Cobaltblau • Grün • Pink

Components

No.	Part name	Material	Color / Finish
1	Top cover	ABS UL94HB	White • Black • Cobalt • Green • Pink
2	Bottom cover	ABS UL94HB	White • Black • Cobalt • Green • Pink

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr - Product no.					Maße - Dimensions			Gewicht Weight (g)
White	Black	Cobalt	Green	Pink	W	H	D	
NEW PS- 50W	NEW PS- 50B	NEW PS- 50C	NEW PS- 50G	NEW PS- 50P	50	14	50	9
PS- 65W	PS- 65B	PS- 65C	PS- 65G	PS- 65P	35	11	65	9
PS- 85W	PS- 85B	PS- 85C	PS- 85G	PS- 85P	48	15	85	20
NEW PS-100W	NEW PS-100B	NEW PS-100C	NEW PS-100G	NEW PS-100P	58	18	100	27

Zubehör (Optional erhältlich) - Accessories (optional parts)

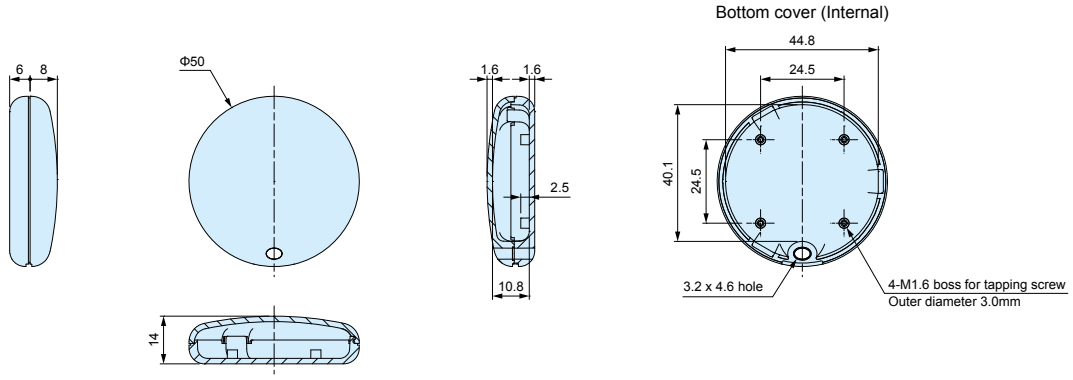
PCB Montageschraube
PCB mounting screw
EM-1.6

Tragschlaufe
Strap
STPS series

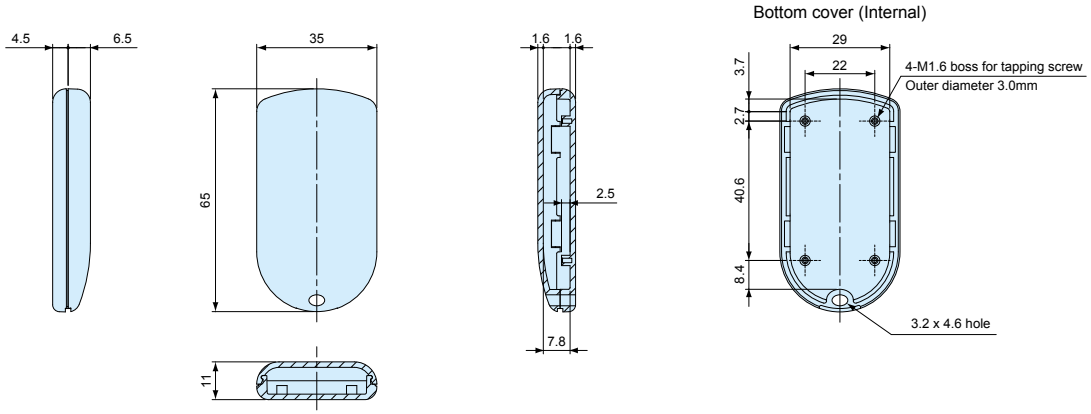
Neodymium magnet
NMG series

PS Maße PS dimensions

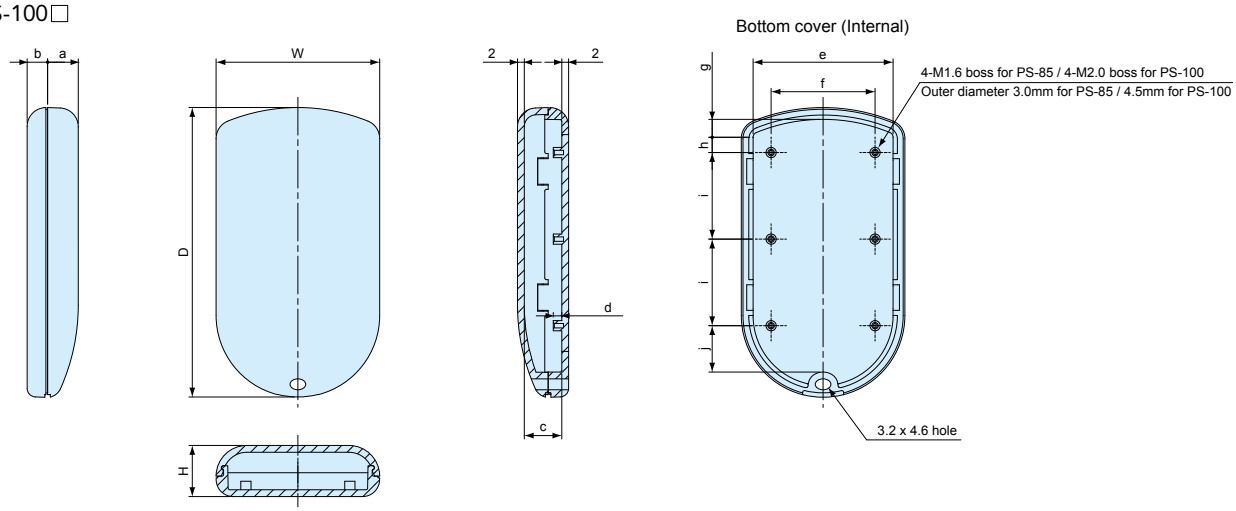
PS-50□



PS-65□



PS-85□ / PS-100□



Best.-Nr. - Product no.	W	H	D	a	b	c	d	e	f	g	h	i	j
PS- 85□	48	11	65	9	6	11	2.5	41.1	33	5.3	4.5	25.4	13.6
PS-100□	58	18	100	11.5	6.5	14	4	51.2	40	6.4	4.2	29	20.4

Anwendungsbeispiel (RFID Tag)
Application example (RFID Tag)

- Verschiedene Batteriehalter verfügbar.
- A variety of suitable coin battery holders are available.

Batteriehalter Übersicht - Suitable coin battery holder chart

Gehäusetyp Suitable case	Batteriehalter Produktnummer Coin battery holder product no.
PS- 50□	SMTU1220(G) / 1225 / 1632(G) / 2-2016 / 2032(G) PB-621 • SMTM1632 / 2032 BK-879 / 5091 / 885 / 890 / 868 / 869 / 5067 / 888
PS- 65□	BK-879 / 5091 / 885 / 890 / 868 / 869 / 5067 / 888 PB621 • SMTM1632 / 2032
PS- 85□	PB621 • SMTM1632 / 2032 BK-879 / 5091 / 885 / 890 / 868 / 869 / 5067 / 888 SMTU1220(G) / 1225 / 1632(G) / 2-2016 / 2032(G) / 2430
PS-100□	PB621 • SMTM1632 / 2032 BK-879 / 5091 / 885 / 890 / 868 / 869 / 5067 / 888 SMTU1220(G) / 1225 / 1632(G) / 2-2016 / 2032(G) / 2430 / 2450

Serie PS Tragschlaufen — Series PS strap

Wrist strap (STPS-140P)

Neck strap (STPS-450Y)

- Farbreiche und robuste Bänder, geeignet für Serien CSS, CS und PS.
- Handgelenk und Halsbänder in 6 Farben verfügbar.
- Halsband inkl. Verbindungsstück, ermöglicht einfaches ein- und aushängen.
- Colorful and sturdy straps best used with CSS, CS and PS series.
- Wrist and Neck straps are available in 6 unique colors.
- Neck strap comes with a quick-release joint, making removal or attachment quick and easy.

Quick-release joint
(Neck strap only)

Farbe

Code	[P] Pink [P] Pink	[Y] Gelb [Y] Yellow	[G] Grün [G] Green	[C] Cyan [C] Cyan	[L] Hellgrau [L] Light gray	[B] Schwarz [B] Black
Farbe - Color						

Einzelteile

Nr.	Bezeichnung	Material	Farbe
1	Band	Polyester	Schwarz
2	Tragschlaufe	Polyester	Pink • Gelb• Grün • Cyan • Hellgrau • Schwarz
3	Kappe (Handgelenkschlaufe)	Nylon	Schwarz
4	Klammer (Nackenband)	Elastomer	Schwarz
5	Verbindungsstück (Nackenband)	Polyacetal	Schwarz

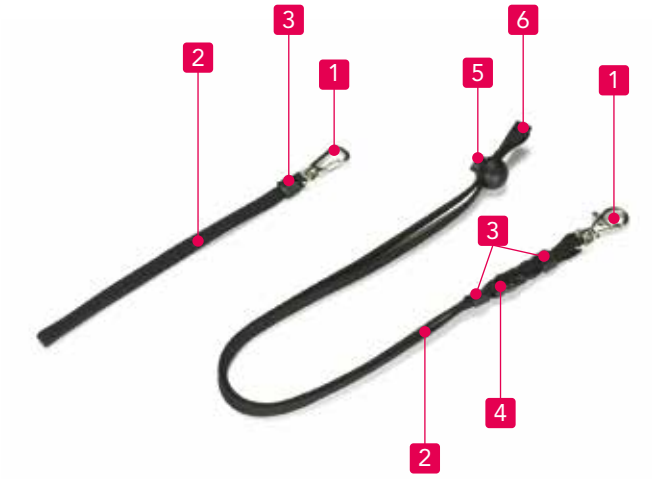
Components

No.	Part name	Material	Color
1	String	Polyester	Black
2	Strap	Polyester	Pink • Yellow • Green • Cyan • Light gray • Black
3	Cap (wrist strap only)	Nylon	Black
4	Clamp (neck strap only)	Elastomer	Black
5	Joint (neck strap only)	Polyacetal	Black

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr.						Banddicke	Bandlänge
Pink	Gelb	Grün	Cyan	Hellgrau	Schwarz		
Product no.						Strap width	Strap length
Pink	Yellow	Green	Cyan	Light gray	Black		
STPS-140P	STPS-140Y	STPS-140G	STPS-140C	STPS-140L	STPS-140B	8	140
STPS-450P	STPS-450Y	STPS-450G	STPS-450C	STPS-450L	STPS-450B	10	450

Serie PS Tragschlaufen — Series PS strap



Nackenschlaufe Detail - Neck strap detail

Quick-release joint

Adjuster

Wrist strap (STP-200)

Neck strap (STP-450)

- Band mit Metallhaken.
- Empfohlen mit Einsatz von CR Schlüsselring.
- Strap with a metal hook.
- Recommended to be used with CR key ring.

Einzelteile - Components

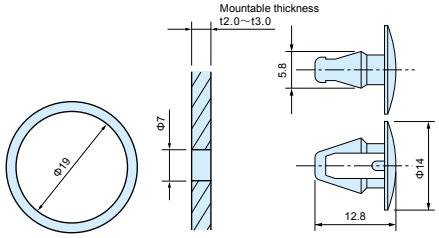
No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Metallhaken - Metal hook	1	Zinkdruckguss & Stahl - Diecast zinc & steel	Vernickelt - Nickel plated
2	Tragschlaufe - Strap	1	Nylon / Polyester	Schwarz - Black
3	Kappe - Cap	1 / 2	Polyurethane / Elastomer	Schwarz - Black
4	Verbindungsstück - Joint (Neck strap only)	1	Polyacetal	Schwarz - Black
5	Einsteller - Adjuster (Neck strap only)	1	Nylon	Schwarz - Black
6	Klammer - Clamp (Neck strap only)	1	PE	Schwarz - Black

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.	Bandbreite - Strap width	Bandlänge - Strap length	Bandmaterial - Strap material	Kappenmaterial - Cap material
STP-200	8	200	Nylon	Polyurethane x 1
STP-450	10	450	Polyester	Elastomer x 2

Serie CR-20 Schlüsselring — Series CR-20 key ring

- Bohrung ist notwendig für Montage.
- Hole milling is required for case installation.



Einzelteile - Components

Bezeichnung Part name	Material	Farbe / Oberfläche Color / Finish
Ring	SWRM 6 Stahl - Steel	Vernickelt - Nickel plated
Befestigung - Insert clip	Nylon	Schwarz - Black

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. Product no.	Ring Ø	Bohrung Installation hole	Montagedicke Mounting thickness
CR-20	Ø19	Ø7	t2.0 ~ t3.0

Technische Daten	
Schutzklasse : IP67	
Temperaturbereich :	
ASA*	-30 ~ +60°C
ABS	-10 ~ +50°C

Technical Data	
Protection class : IP67	
Operating temperature :	
ASA*	-30 ~ +60°C
ABS	-10 ~ +50°C

Serie WP - IP67 Netzwerk Kunststoffgehäuse

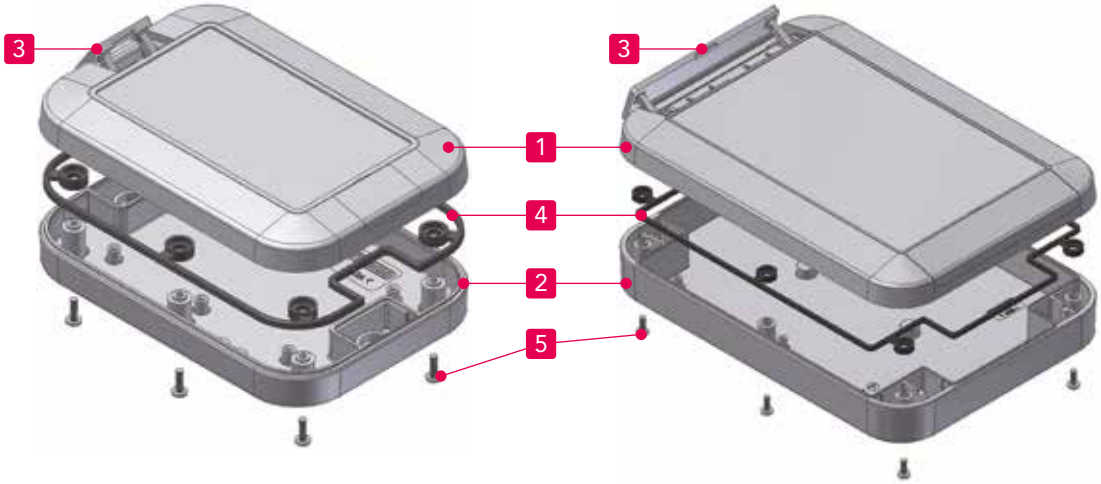
Series WP IP67 Network Plastic Box

- Schutzklasse IP67. Ideal für den Außeneinsatz; schützt die Bauteile gegen eindringen von Staub und Wasser.
- Verfügbar in zwei Ausführungen: UV resistent durch ASA Material in weiß-grau und Feuer resistent durch ABS Material in grau.
- 8 neue Typen ergeben in Summe 24 wählbare Gehäusegrößen.
- Einfache Wandmontage durch verdeckte Schrauböffnungen.
- Mastmontage durch optionales Zubehör möglich.

- IP67 protection class allows the unit to be used outdoors while protecting the internal components from dust and water.
- Available in 2 types : UV-resistant ASA in white gray color, and flame-resistant ABS in charcoal gray color.
- Addition of 8 sizes for a total of 24 different selectable sizes.
- Mount on walls or brackets by simply opening the blind lids.
- Pole mounting is possible via an optional pole mounting bracket accessory.

WP5-7-2 ~ WP13-18-5

WP15-15-4 ~ WP20-28-7

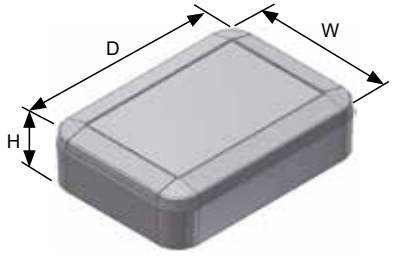


Komponenten

Nr.	Bezeichnung	Stück	Oberfläche / Farbe
1	Deckel	1	ASA UL94HB / hellgrau : Feuerresistent ABS UL94V-0 / dunkelgrau
2	Boden	1	ASA UL94HB / hellgrau : Feuerresistent ABS UL94V-0 / dunkelgrau
3	Blinddeckel	2	ASA UL94HB / hellgrau : Feuerresistent ABS UL94V-0 / dunkelgrau
4	Dichtung	1	Silikon / schwarz
5	Schraube	4 ~ 8	Edelstahl / unbehandelt

Components

No.	Part name	Pcs	Material / Color
1	Top cover	1	ASA UL94HB / White gray : Flame-resistant ABS UL94V-0 / Charcoal gray
2	Bottom base	1	ASA UL94HB / White gray : Flame-resistant ABS UL94V-0 / Charcoal gray
3	Blind lids	2	ASA UL94HB / White gray : Flame-resistant ABS UL94V-0 / Charcoal gray
4	Gasket	1	Silicone / Black
5	Screw	4 ~ 8	Stainless steel binding head screw / Unfinished



Best-Nr. / Maße - Product no. / Dimensions

Best-Nr.		Maße			Gewicht (g)	Schraube	empfohlenes Drehmoment (N • m)	
○ hellgrau (ASA)	● dunkelgrau (ABS)	W	D	H			Gehäusemontage	PCB Montage
Product no.		Dimensions			Weight (g)	Screw	Recommended torque (N • m)	
○ hellgrau (ASA)	● dunkelgrau (ABS)	W	D	H			Box Assembling	PCB Mounting
WP 5- 7-2G	WP 5- 7-2C	52	65	18	31.5	M2-8 x 4 pcs	0.2 ~ 0.25	0.12 ~ 0.15
WP 5- 7-3G	WP 5- 7-3C	52	65	27	39.5	M2-8 x 4 pcs	0.2 ~ 0.25	0.12 ~ 0.15
WP 6- 8-2G	WP 6- 8-2C	60	80	20	41.5	M2-8 x 4 pcs	0.25 ~ 0.3	0.12 ~ 0.15
WP 6- 8-3G	WP 6- 8-3C	60	80	30	49	M2-8 x 4 pcs	0.25 ~ 0.3	0.12 ~ 0.15
WP 8- 8-2G	WP 8- 8-2C	75	75	22	57.5	M2.5-8 x 4 pcs	0.25 ~ 0.35	0.12 ~ 0.15
WP 8- 8-4G	WP 8- 8-4C	75	75	35	88.5	M2.5-16 x 4 pcs	0.25 ~ 0.35	0.12 ~ 0.15
WP 8-10-2G	WP 8-10-2C	75	100	22	74	M2.5-8 x 4 pcs	0.25 ~ 0.35	0.12 ~ 0.15
WP 8-10-4G	WP 8-10-4C	75	100	35	95	M2.5-16 x 4 pcs	0.25 ~ 0.35	0.12 ~ 0.15
WP 9-13-3G	WP 9-13-3C	90	130	25	113	M2.5-8 x 6 pcs	0.25 ~ 0.35	0.2 ~ 0.25
WP 9-13-4G	WP 9-13-4C	90	130	40	141	M2.5-16 x 6 pcs	0.25 ~ 0.35	0.2 ~ 0.25
WP10-10-3G	WP10-10-3C	100	100	25	96	M2.5-8 x 4 pcs	0.25 ~ 0.35	0.2 ~ 0.25
WP10-10-4G	WP10-10-4C	100	100	40	121	M2.5-16 x 4 pcs	0.25 ~ 0.35	0.2 ~ 0.25
WP11-15-3G	WP11-15-3C	110	150	27	153	M2.5-8 x 6 pcs	0.25 ~ 0.35	0.2 ~ 0.25
WP11-15-4G	WP11-15-4C	110	150	40	181	M2.5-16 x 6 pcs	0.25 ~ 0.35	0.2 ~ 0.25
WP13-18-3G	WP13-18-3C	130	175	30	225	M2.5-8 x 6 pcs	0.25 ~ 0.35	0.2 ~ 0.25
WP13-18-5G	WP13-18-5C	130	175	45	266	M2.5-16 x 6 pcs	0.25 ~ 0.35	0.2 ~ 0.25
NEW WP15-15-4G	NEW WP15-15-4C	150	150	40	239	M3-8 x 4 pcs	0.35 ~ 0.45	0.2 ~ 0.3
NEW WP15-15-6G	NEW WP15-15-6C	150	150	55	282.5	M3-8 x 4 pcs	0.35 ~ 0.45	0.2 ~ 0.3
NEW WP15-21-4G	NEW WP15-21-4C	150	210	40	323	M3-8 x 6 pcs	0.35 ~ 0.45	0.2 ~ 0.3
NEW WP15-21-6G	NEW WP15-21-6C	150	210	55	367.5	M3-8 x 6 pcs	0.35 ~ 0.45	0.2 ~ 0.3
NEW WP20-20-5G	NEW WP20-20-5C	200	200	45	434	M3-8 x 8 pcs	0.35 ~ 0.45	0.2 ~ 0.3
NEW WP20-20-7G	NEW WP20-20-7C	200	200	65	505	M3-8 x 8 pcs	0.35 ~ 0.45	0.2 ~ 0.3
NEW WP20-28-5G	NEW WP20-28-5C	200	280	45	557.5	M3-8 x 8 pcs	0.35 ~ 0.45	0.2 ~ 0.3
NEW WP20-28-7G	NEW WP20-28-7C	200	280	65	646	M3-8 x 8 pcs	0.35 ~ 0.45	0.2 ~ 0.3

Zubehör (optional erhältlich) Accessories (optional parts)

Masthalterung Serie WPMB
Pole mount bracket WPMB series

Gummifüße Serie PFRF
Rubber feet PFRF series

TORX Schraube Serie MR
TORX screw MR series

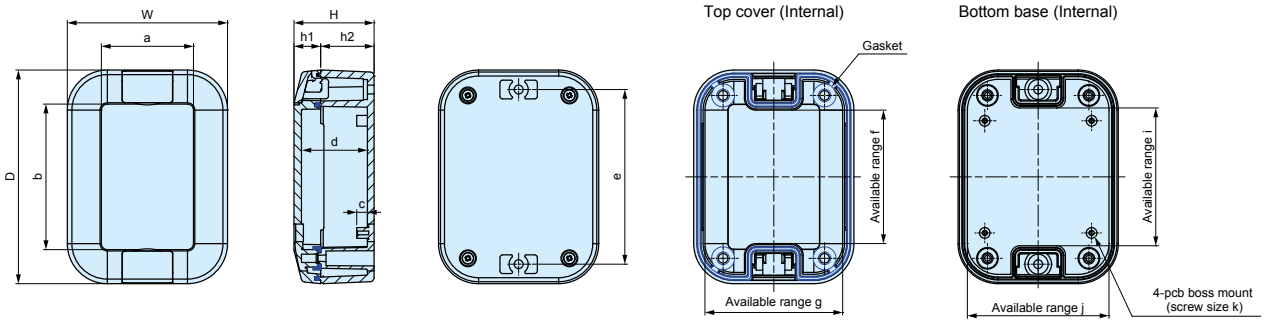
PCB Montageschraube Serie EM
PCB mounting screw EM series

Entlüftung Serie PMF
Protective vent PMF series

Kabelverschraubung
Cable gland

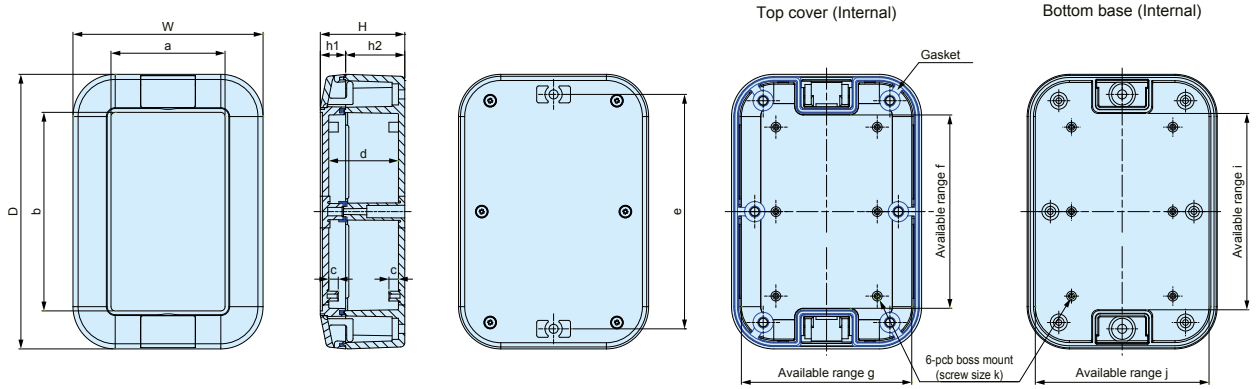
Mastgurt Serie PKB
Pole mounting belt PKB series

WP Maße WP dimensions



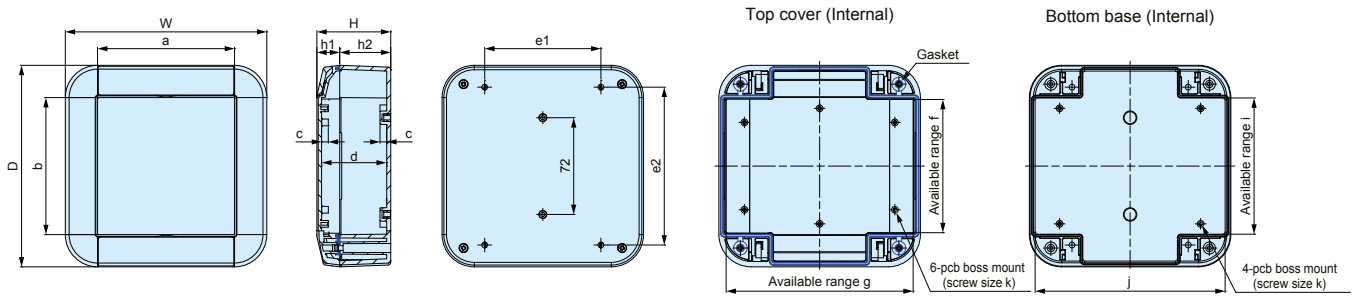
※Boss for PCB are located inside top covers of certain models. Detailed information available on DXF/DWG/PDF drawings.

Best-Nr. Product no.	W	D	H	h1	h2	a	b	c	d	e	f	g	i	j	k
WP 5- 7-2	52	65	18	10	8	26.5	38.8	4	13	50.6	34.5	43.5	37	46	M2
WP 5- 7-3	52	65	27	10	17	26.5	38.8	4	22	50.8	34.5	43.5	36.5	45	M2
WP 6- 8-2	60	80	20	10	10	34.5	53.8	4	14.7	65.8	50	51.5	52	53.5	M2
WP 6- 8-3	60	80	30	10	20	34.5	53.8	4	24.7	65.4	50	51.5	51	53	M2
WP 8- 8-2	75	75	22	10	12	49.5	48.8	4	16.4	60.6	44	66	42	67	M2
WP 8- 8-4	75	75	35	10	25	49.5	48.8	4	29.4	60.4	43	66	42	66	M2
WP 8-10-2	75	100	22	10	12	46	71	4	16	85.6	69	66	67	67	M2
WP 8-10-4	75	100	35	10	25	46	71	4	29	85.4	69	66	67	66	M2
WP10-10-3	100	100	25	12	13	63.8	63.7	4.5	18	81.2	60	89	61	90	M2.3
WP10-10-4	100	100	40	12	28	63.8	63.7	4.5	33	81	60	89	61	90	M2.3

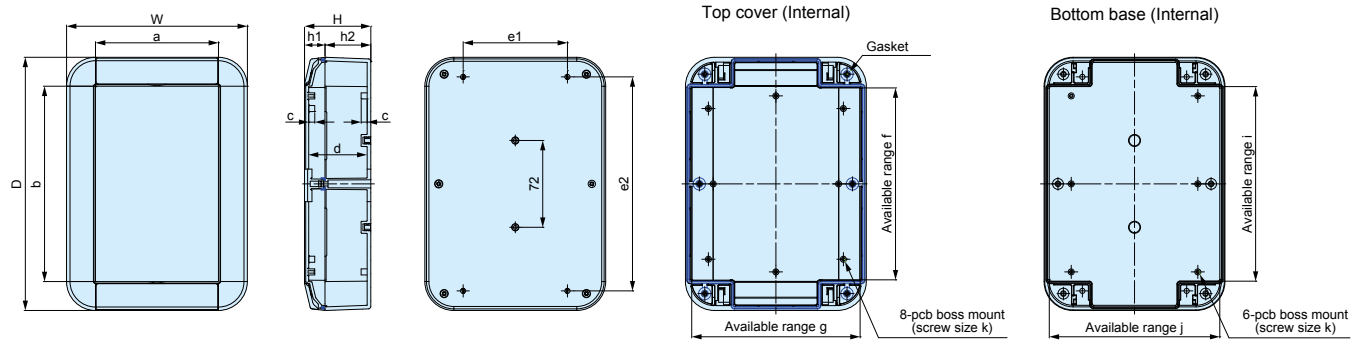


Best-Nr. Product no.	W	D	H	h1	h2	a	b	c	d	e	f	g	i	j	k
WP 9-13-3	90	130	25	12	13	53.8	93.7	4.5	18	111.2	90	79	91	81	M2.3
WP 9-13-4	90	130	40	12	28	53.8	93.7	4.5	33	111	90	79	91	81	M2.3
WP11-15-3	110	150	27	12	15	73.7	113.5	4.5	20	131.2	110	99	110	100	M2.3
WP11-15-4	110	150	40	12	28	73.7	113.5	4.5	33	131	110	99	110	100	M2.3
WP13-18-3	130	175	30	12	18	93.8	138.8	4.5	23	156.2	136	120	135	120	M2.3
WP13-18-5	130	175	45	12	33	93.8	138.8	4.5	38	156.2	136	120	135	120	M2.3

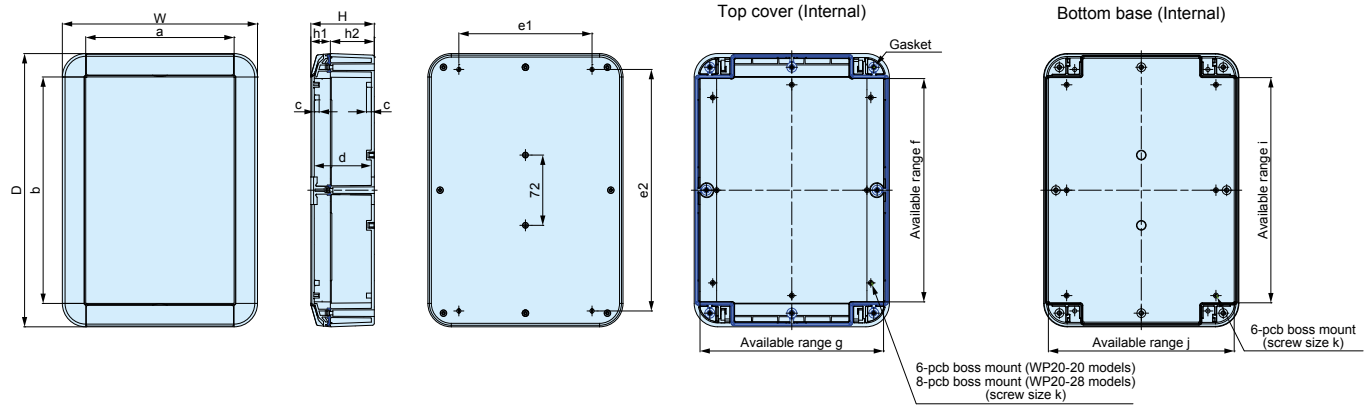
WP Maße — WP dimensions



Best-Nr. Product no.	W	D	H	h1	h2	a	b	c	d	e1	e2	f	g	i	j	k
WP15-15-4	150	150	40	17	23	102	102	5	33.5	86.5	117.5	99	139	100	141	M2.6
WP15-15-6	150	150	55	17	38	102	102	5	48.5	86.5	117.5	99	139	100	140	M2.6



Best-Nr. Product no.	W	D	H	h1	h2	a	b	c	d	e1	e2	f	g	i	j	k
WP15-21-4	150	210	40	17	23	102	162	5	33.5	86.5	177.5	159	139	160	141	M2.6
WP15-21-6	150	210	55	17	38	102	162	5	48.5	86.5	177.5	159	139	160	140	M2.6



Best-Nr. Product no.	W	D	H	h1	h2	a	b	c	d	e1	e2	f	g	i	j	k
WP20-20-5	200	200	45	20	25	152	152	5	38.5	136.5	167.5	148	187	150	190	M2.6
WP20-20-7	200	200	65	20	45	152	152	5	58.5	136.5	167.5	148	187	149	189	M2.6
WP20-28-5	200	280	45	20	25	152	232	5	38.5	136.5	247.5	227	187	230	190	M2.6
WP20-28-7	200	280	65	20	45	152	232	5	58.5	136.5	247.5	227	187	229	189	M2.6

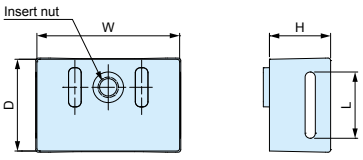
Serie WPMB Masthalterung

NEW SIZE

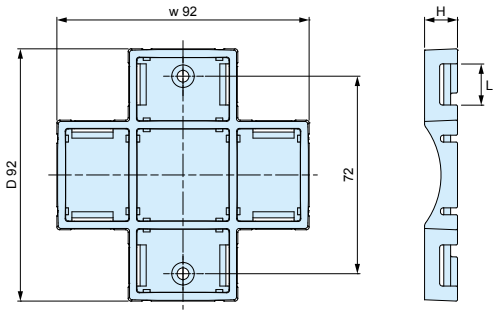
Series WPMB Pole mount bracket

- Masthalterung hergestellt aus wetterresistentem ASA Material.
- Befestigungsbohrungen für die Halterungen sind nicht erforderlich um die Schutzklasse zu behalten.
- WPMB-M4-2 geeignet für vertikale und horizontale Installation.
- Zusammen mit der Serie WPMB und Serie PKB können die Gehäuse an einem Mast befestigt werden.

- Pole mount bracket made from weather resistant ASA material.
- Hole milling is not required when installing the mount bracket, thus allowing the enclosure to maintain its IP67 protection.
- WPMB-M4-2 can be used both for vertical and horizontal installation.
- Together with WPMB series, the PKB series mounting belt enables the unit to be mounted onto a pole.



WPMB-M3□WPMB-M4



WPMB-M4-2

Farbvarianten

Code	Farbe
G	hellgrau
D	dunkelgrau

Color Type

Code	Color
G	white gray
D	dark gray

Best-Nr. / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
- Please suffix color code at the end of the product number.

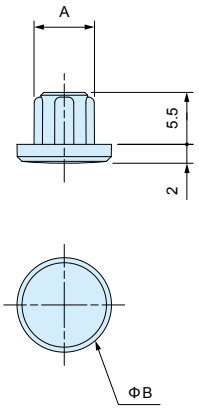
Best-Nr. Product no.	Maße - Dimensions				Material/ Oberfläche Material / Finish	Schraube Screw	Geeignetes Gehäuse Suitable enclosures	Empfohlenes Drehmoment Recommended torque (N • m)	Gewicht Weight (g)	VPE Pack of
	W	D	H	L						
NEW WPMB-M3□	18	14	9.5	11	ASA UL94HB	Edelstahl Stainless steel M3-6 x 2 pcs	WP5-7-2 • 5-7-3 • 6-8-2 • 6-8-3 • 8-8-2 • 8-8-4 • 8-10-2 • 8-10-4	0.4 ~ 0.45	3	2 (pair)
WPMB-M4□	28	18	12	13	ASA UL94HB	Edelstahl Stainless steel M4-8 x 2 pcs	WP9-13-3 • 9-13-4 • 10-10-3 • 10-10-4 • 11-15-3 • 11-15-4 • 13-18-3 • 13-18-5	0.45 ~ 0.5	10	2 (pair)
WPMB-M4-2□	92	92	12	13	ASA UL94HB	Edelstahl Stainless steel M4-6 x 2 pcs	WP15-15-4 • 15-15-6 • 15-21-4 • 15-21-6 • 20-20-5 • 20-20-7 • 20-28-5 • 20-28-7	0.45 ~ 0.5	24	1

WPMB-M3/WPMB-M4

WPMB-M4-2

Serie PFRF - Gummifüße (optional erhältlich)

Series PFRF - rubber feet (optional parts)



- Gehäusefüße empfohlen für Desktopanwendungen.
- Keine zusätzlichen Bohrungen erforderlich um die Schutzklasse zu behalten.
- Hergestellt aus Elastomer Material.
- Nicht verfügbar für Serien WP5-7-2, 5-7-3, 6-8-2, and 6-8-3.

- Recommended to be used with WP series as a desktop-type unit.
- No additional hole milling required as the rubber feet fits snuggly into the screw holes.
- Made from elastomer material.
- Unavailable for use with WP5-7-2, 5-7-3, 6-8-2, and 6-8-3 models.

Best-Nr. / Maße - Product no. / Dimensions

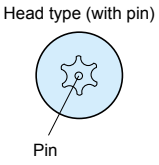
■ UL94HB

Best-Nr. Product no.	Maße Dimensions		Material	Farbe Color	Geeignetes Gehäuse Suitable enclosures	VPE Pack of
	A	B				
PFRF-M2.5D	6.4	10	Elastomer UL94HB	dunkelgrau Dark gray	WP models: 8-8-2 • 8-8-4 • 8-10-2 • 8-10-4 • 9-13-3 • 9-13-4 • 10-10-3 • 10-10-4 • 11-15-3 • 11-15-4 • 13-18-3 • 13-18-5	4
PFRF-M3D	7.2	11	Elastomer UL94HB	dunkelgrau Dark gray	WP models: 15-15-4 • 15-15-6 • 15-21-4 • 15-21-6 • 20-20-5 • 20-20-7 • 20-28-5 • 20-28-7	4

Serie MR Torx Schraube für WP

NEW SIZE

Series MR Torx screw for WP



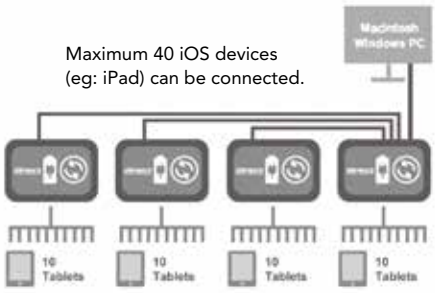
- Geeignet für manipulationssichere Anwendungen.
- Benötigt einen speziellen Antrieb.
- Nicht geeignet für Serien WP5-7-2, 5-7-3, 6-8-2, and 6-8-3.

- Recommended to be used for tamper resistance, or for an elegant look and feel.
- Requires the use of a specialized screwdriver.
- Unavailable for use with WP5-7-2, 5-7-3, 6-8-2, and 6-8-3 models.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	Maße Dimensions		TORX Kopf-Nr. TORX head no.	Material	Oberfläche Finish	Geeignetes Gehäuse Suitable enclosures	VPE Pack of
	M	L					
MR2.5-8ST	2.5	8	T 8 (with pin)	Edelstahl Stainless steel	unbehandelt Unfinished	WP8-8-2 • 8-10-2 • 9-13-3 • 10-10-3 • 11-15-3 • 13-18-3 / WSC series	20
MR2.5-16ST	2.5	16	T 8 (with pin)	Edelstahl Stainless steel	unbehandelt Unfinished	WP8-8-4 • 8-10-4 • 9-13-4 • 10-10-4 • 11-15-4 • 13-18-5	20
NEW MR3-8ST	3	8	T10 (with pin)	Edelstahl Stainless steel	unbehandelt Unfinished	WP15-15-4 • 15-15-6 • 15-21-4 • 15-21-6 • 20-20-5 • 20-20-7 • 20-28-5 • 20-28-7	20

Product by MT-planning, Ltd.(Japan)
Website : mt-planning.com



USB-HUB

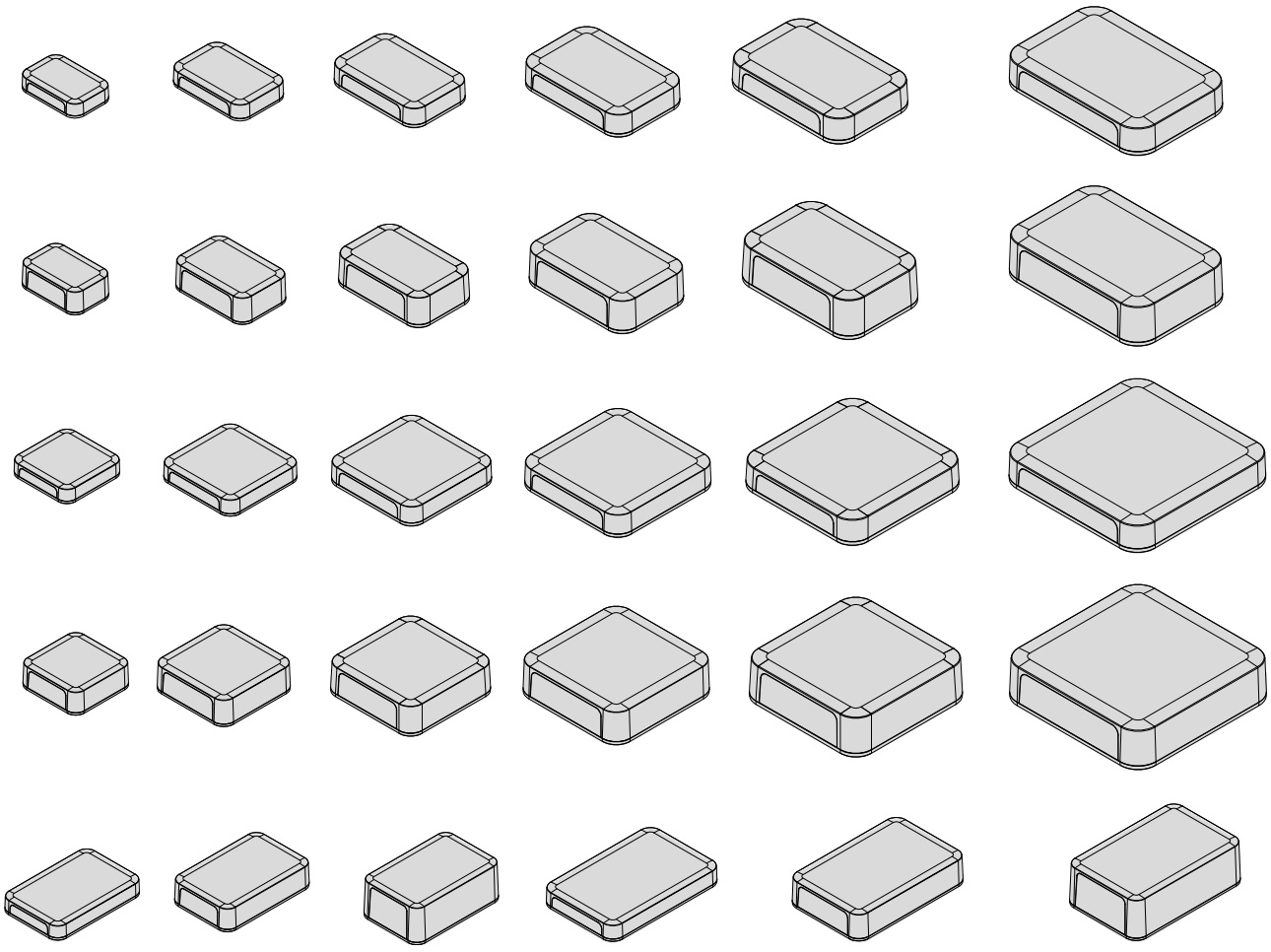
USB-HUB ermöglicht das Aufladen und die Synchronisation von unterschiedlichen USB-Geräten.
USB-HUB enabling power charging and data synchronization for multiple USB devices.

Serie PF
Netzwerk Gehäuse

Series PF
Flat Network Case

Große Auswahl, 30 verschiedene Größen verfügbar.
Huge selection, 30 different sizes are now available.

Von 100 x 67 x 22.5 to 240 x 240 x 60mm. - From 100 x 67 x 22.5 to 240 x 240 x 60mm.



ANWENDUNGSBEISPIELE - APPLICATION EXAMPLE

USB HEMODYNAMIC RESEARCH DEVICE

Product by Cardiovascular Engineering, Inc. (USA)
website : cardiovascularengineering.com

WIRELESS HOME ELECTRONICS CONTROLLER

Product by AR SMART SAS (Colombia)
Website : ar-smart.co

G4 FLIGHT TRACKER

Product by Guardian Mobility (Canada)
website : guardianmobility.com

iCONSE-T IOT and SENSOR NETWORK TRAINING SYSTEM

Product by Benchmark Electronic Systems (India)
website : iconse-t.com

TOUCH PANEL CONTROLLER

Product by Elmar Electronic d.o.o. (Croatia)
Website : elmar-el.hr

GSM MODULE

Product by Elmar Electronic d.o.o. (Croatia)
Website : elmar-el.hr

WIRELESS NETWORK DATA LOGGER

Product by SensingWinTech Co.,Ltd. (Japan)
Website :
sensingwintech.com

ADVANCED TRIGGER STATION

Product by BrainTrends (Italy)
Website : braintrends.it

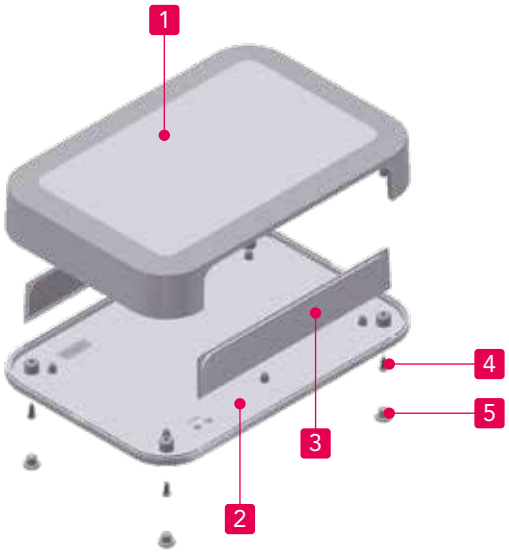
Serie PF
Netzwerk Gehäuse

NEW SIZE

Series PF
Flat Network Case

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C



- Flaches Designergehäuse mit herausnehmbaren Deckelplatten.
- Schwer entflammbares ABS UL94V-0 Material, verfügbar in weiß und in dunkelgrau.
- 6 neue Größen ergeben insgesamt 36 verschiedene Gehäusedimensionen.
- Mit integrierten Befestigungsdomen zur Leiterplattenmontage.
- Geeignet für Wi-Fi access point, Messgeräte, HUB oder Controller, verschiedene Deskop-Anwendungen, Wandmontage uvm.

- Flat designed plastic case with detachable panels.
- Made of flame-resistant ABS UL94V-0, and available in off-white and dark gray color.
- 6 new sizes added for a total of 36 different sizes available for selection.
- Equipped with built-in bosses for PCB mounting.
- Suitable for Wi-Fi access point, measuring equipment, controller or various other applications for desktop, wall mounting use and so on.

Komponenten - Components

Nr. No.	Bezeichnung Part name	Stück Pcs	Material	Farbe / Oberfläche Color / Finish
1	Oberschale - Top cover	1	ABS UL94V-0	weiß • dunkelgrau - Off-white • Dark gray
2	Unterschale - Bottom base	1	ABS UL94V-0	weiß • dunkelgrau - Off-white • Dark gray
3	Deckelplatten - Panel	2	ABS UL94V-0	weiß • dunkelgrau - Off-white • Dark gray
4	Schraube - Self tapping screw	4	Stahl - Steel	vernickelt - Nickel plated
5	Gummifüße - Rubber feet	4	TVP(UL94HB) - Elastomer	dunkelgrau - Dark gray

PF Zubehör (optional erhältlich) (Optional parts) PF Accessories

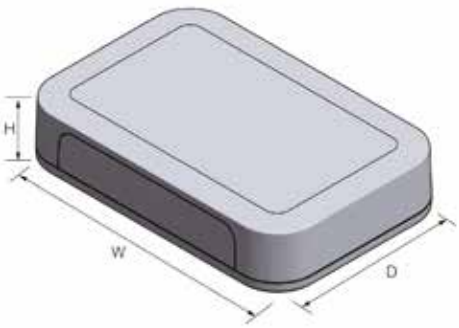
Abstandsbolzen
Tapping standoff TPS series

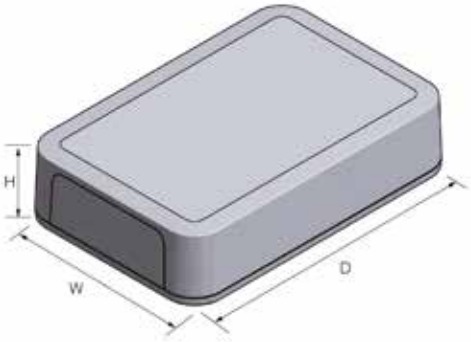
PCB Montageschraube
PCB mounting screw EM series

TORX Schraube
TORX screw MR series

Wandaufhängung
Suspension bracket WM series

Neodymium Magnet
Neodymium magnet NMG series





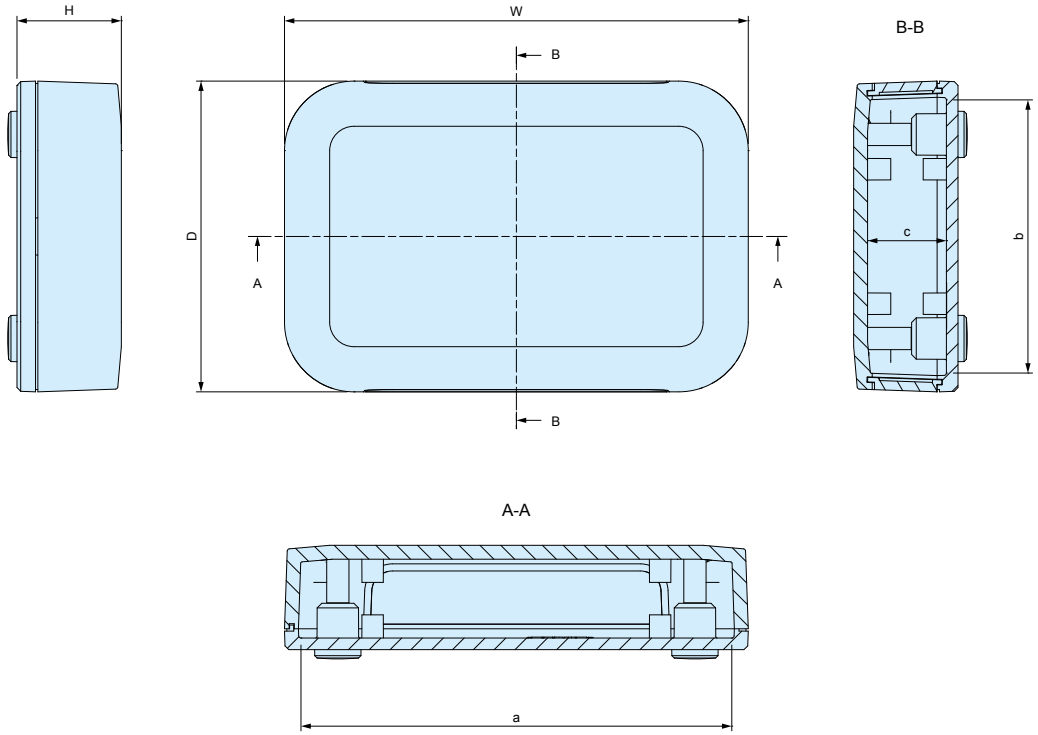
Aufstellfuß
Tilt leg TLW series

Bestellnummer / Maße
Product no. / Dimensions

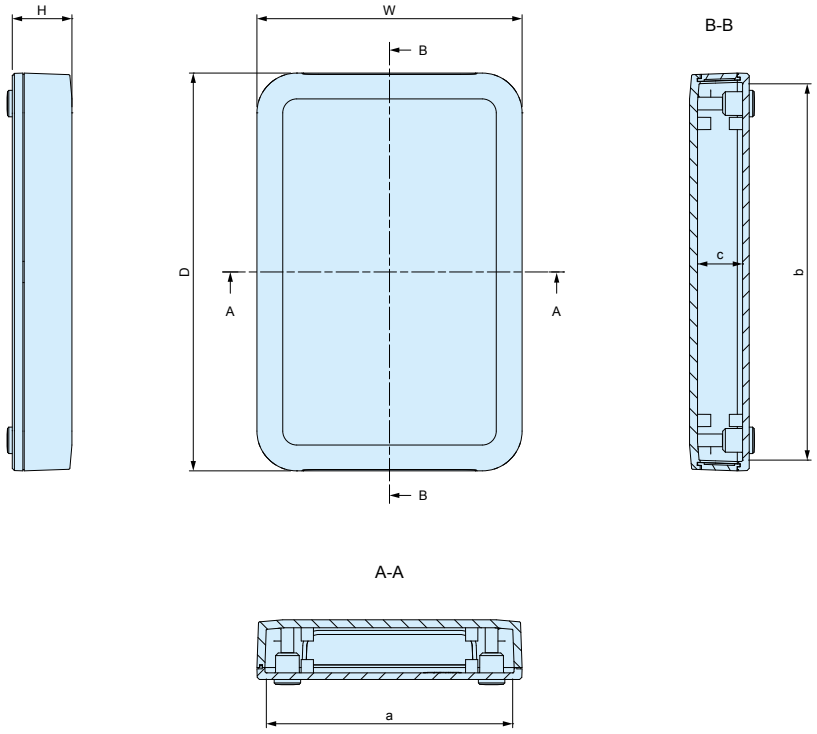
※ H Dimension ist ohne Gummifuß (Gummifüße = 2mm)
※ H dimension is not inclusive of rubber feet. (Rubber feet height = 2mm)

Best-Nr. - Product no.		Maße - Dimensions			Schraube Screw	Gewicht (g) Weight (g)
○ weiß - Off-white	● dunkelgrau - Dark gray	W	H	D		
PF10- 2- 7W	PF10- 2- 7D	100	22.5	67	M2.5-8 x 4 pcs	60
PF10- 2-10W	PF10- 2-10D	100	22.5	100	M2.5-8 x 4 pcs	82.9
PF10- 2-15W	PF10- 2-15D	100	22.5	150	M2.5-8 x 4 pcs	120.2
PF10- 4- 7W	PF10- 4- 7D	100	35	67	M2.5-8 x 4 pcs	65
PF10- 4-10W	PF10- 4-10D	100	35	100	M2.5-8 x 4 pcs	97.1
PF10- 4-15W	PF10- 4-15D	100	35	150	M2.5-8 x 4 pcs	132.6
PF10- 6-15W	PF10- 6-15D	100	55	150	M2.5-8 x 4 pcs	169.1
PF13- 3- 9W	PF13- 3- 9D	125	25	85	M2.5-8 x 4 pcs	90.8
PF13- 3-13W	PF13- 3-13D	125	25	125	M2.5-8 x 4 pcs	127.5
PF13- 3-19W	PF13- 3-19D	125	25	190	M2.5-8 x 4 pcs	186.8
PF13- 4- 9W	PF13- 4- 9D	125	40	85	M2.5-8 x 4 pcs	108.4
PF13- 4-13W	PF13- 4-13D	125	40	125	M2.5-8 x 4 pcs	151.4
PF13- 4-19W	PF13- 4-19D	125	40	190	M2.5-8 x 4 pcs	214.9
PF13- 6-19W	PF13- 6-19D	125	60	190	M2.5-8 x 4 pcs	250.4
PF15- 3-10W	PF15- 3-10D	150	30	100	M2.5-8 x 4 pcs	145.5
PF15- 3-15W	PF15- 3-15D	150	30	150	M2.5-8 x 4 pcs	207.5
PF15- 5-10W	PF15- 5-10D	150	45	100	M2.5-8 x 4 pcs	166
PF15- 5-15W	PF15- 5-15D	150	45	150	M2.5-8 x 4 pcs	233.5
PF18- 4-12W	PF18- 4-12D	175	35	120	M2.5-8 x 4 pcs	188.7
PF18- 4-18W	PF18- 4-18D	175	35	175	M2.5-8 x 4 pcs	266.8
PF18- 5-12W	PF18- 5-12D	175	50	120	M2.5-8 x 4 pcs	213.6
PF18- 5-18W	PF18- 5-18D	175	50	175	M2.5-8 x 4 pcs	302.1
PF20- 4-13W	PF20- 4-13D	200	40	135	M3-8 x 4 pcs	264
PF20- 4-20W	PF20- 4-20D	200	40	200	M3-8 x 4 pcs	368.5
PF20- 6-13W	PF20- 6-13D	200	60	135	M3-8 x 4 pcs	302.5
PF20- 6-20W	PF20- 6-20D	200	60	200	M3-8 x 4 pcs	417
PF24- 4-17W	PF24- 4-17D	240	42.5	165	M3-8 x 4 pcs	370.4
PF24- 4-24W	PF24- 4-24D	240	42.5	240	M3-8 x 4 pcs	521.4
PF24- 6-17W	PF24- 6-17D	240	60	165	M3-8 x 4 pcs	408.8
PF24- 6-24W	PF24- 6-24D	240	60	240	M3-8 x 4 pcs	568.7
NEW PF28- 5-20W	NEW PF28- 5-20D	280	45	200	M3-8 x 4 pcs	564.1
NEW PF28- 7-20W	NEW PF28- 7-20D	280	65	200	M3-8 x 4 pcs	618.4
NEW PF28- 9-20W	NEW PF28- 9-20D	280	90	200	M3-8 x 4 pcs	709.2
NEW PF32- 5-23W	NEW PF32- 5-23D	320	45	225	M3-8 x 4 pcs	697.1
NEW PF32- 7-23W	NEW PF32- 7-23D	320	70	225	M3-8 x 4 pcs	782.1
NEW PF32-10-23W	NEW PF32-10-23D	320	100	225	M3-8 x 4 pcs	899.8

PF Maße PF Dimensions



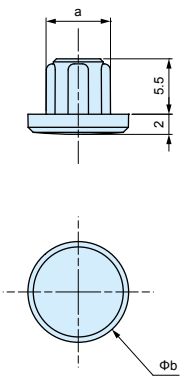
Best-Nr. - Product no.	W	H	D	a	b	c
PF10- 2- 7□	100	22.5	67	92	58	17
PF10- 2-10□	100	22.5	100	92	91	17
PF10- 4- 7□	100	35	67	91	57	29.5
PF10- 4- 1□	100	35	100	91	90	29.5
PF13- 3- 9□	125	25	85	117	76	19.5
PF13- 3-13□	125	25	125	117	116	19.5
PF13- 4- 9□	125	40	85	116	75	34.5
PF13- 4-13□	125	40	125	116	115	34.5
PF15- 3-10□	150	30	100	142	90	24
PF15- 3-15□	150	30	150	142	140	24
PF15- 5-10□	150	45	100	141	89	39
PF15- 5-15□	150	45	150	141	139	39
PF18- 4-12□	175	35	120	166	110	29
PF18- 4-18□	175	35	175	166	165	29
PF18- 5-12□	175	50	120	165	109	44
PF18- 5-18□	175	50	175	165	164	44
PF20- 4-13□	200	40	135	191.5	124.5	34
PF20- 4-20□	200	40	200	191.5	189.5	34
PF20- 6-13□	200	60	135	190	123	54
PF20- 6-20□	200	60	200	190	188	54
PF24- 4-17□	240	42.5	165	230	154	36.5
PF24- 4-24□	240	42.5	240	230	229	36.5
PF24- 6-17□	240	60	165	229	153	54
PF24- 6-24□	240	60	240	229	228	54
PF28- 5-20□	280	45	200	269.5	189	38.5
PF28- 7-20□	280	65	200	268.5	187.5	58.5
PF28 -9-20□	280	90	200	266.5	185.5	83.5
PF32 -5-23□	320	45	225	309.5	214	38.5
PF32 -7-23□	320	70	225	308	212	63.5
PF32-10-23□	320	100	225	306	210	93.5



Best-Nr. - Product no.	W	H	D	a	b	c
PF10-2-15□	100	22.5	150	92	141	17
PF10-4-15□	100	35	150	91	140	29.5
PF10-6-15□	100	55	150	90	139	49.5
PF13-3-19□	125	25	190	117	181	19.5
PF13-4-19□	125	40	190	116	180	34.5
PF13-6-19□	125	60	190	115	179	54.5

PFRF Gummifüße

PFRF Rubber Feet



- Gummifüße für Serie PF.
- Montage in Schraubenlöchern auf der Unterseite.
- Material ist resistent gegenüber Abfärbungen.

- Rubber feet for PF series.
- Inserted into the screw holes on the underside of box.
- Elastomer material is resistant against color migration.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. - Product no.	Maße - Dimensions		Für Gehäuse Suitable box	Material	Farbe Color	VPE Pack of
	a	b				
PFRF-M2.5D	6.4	10	PF10-2-7,10-2-10,10-2-15,10-4-7,10-4-10,10-4-15 PF10-6-15,13-3-9,13-3-13,13-3-19,13-4-9,13-4-13 PF13-4-19,13-6-19,15-3-10,15-3-15,15-5-10,15-5-15 PF18-4-12,18-4-18,18-5-12,18-5-18	Elastomer	dunkelgrau Dark gray	4
PFRF-M3D	7.2	11	PF20-4-13,20-4-20,20-6-13,20-6-20,24-4-17 PF24-4-24,24-6-17,24-6-24,28-5-20,28-7-20 PF28-9-20,32-5-23,32-7-23,32-10-23	Elastomer	dunkelgrau Dark gray	4

Notizen / Notice

Serie TLW - Aufstellfuß

TLW Series - TILT LEG

ANWENDUNGSBEISPIEL - APPLICATION EXAMPLE

- Neuer Aufstellfuß mit auffälligen Farben und aberundeten Design.
- Rutschfeste Konstruktion durch Elastomer (TPE) Auflage.
- Verfügbar in 3 verschiedenen Farbvarianten.

Technische Daten
Maximale Tragkraft : 7kg

- New tilt leg with eye catching colors and rounded design.
- Non-slip design with Elastomer (TPE) pad.
- Available in 3 different color patterns.

Technical Data
Max load : 7kg

Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	vorderer Fuß	2	PC + ABS UL94V-0	Schwarz : Schwarz • Navy : Grau • Lichtgrau : Grau
2	hinterer Fuß	2	PC + ABS UL94V-0	Schwarz : Schwarz • Navy : Grau • Lichtgrau : Grau
–	Schraube	4	Stahl M3-6	Schwarz verchromt

- Aufnahme für M3-6 Schrauben vorhanden

Components

No.	Part name	Pcs	Material	Color / Finish
1	Front foot	2	PC + ABS UL94V-0	Black : Black • Navy : Gray • Light gray : Gray
2	Rear foot	2	PC + ABS UL94V-0	Black : Black • Navy : Gray • Light gray : Gray
–	Screw	4	Steel M3-6	Black trivalent chromate

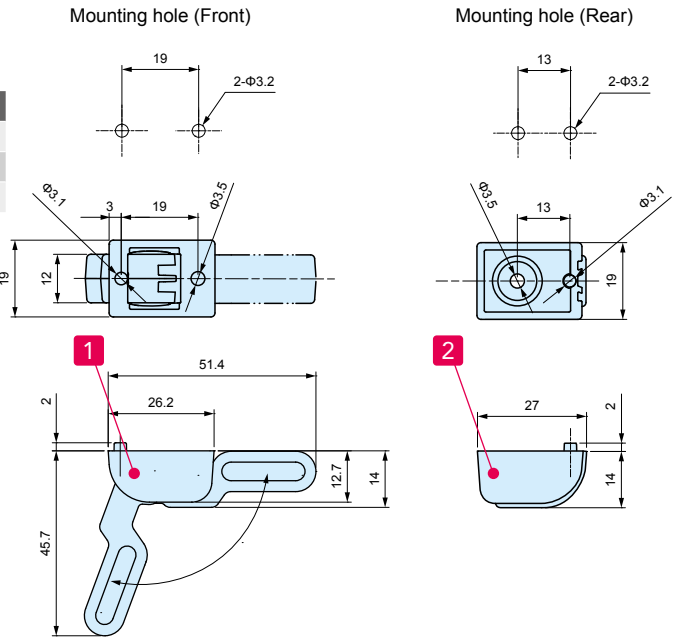
- Nuts for M3-6 screws included

Best.-Nr. - Product no.

Best.-Nr. - Product no.	Farbe - Color (plastic)	Farbe - Color (TPE)
TLW-46BB	Schwarz - Black	Schwarz - Black
TLW-46NG	Navy	Grau - Gray
TLW-46LG	Lichtgrau - Light gray	Grau - Gray

- Aufstellfuß für unterschiedliche Anwendungen geeignet.
- TLW tilt leg can be used in various applications.

ANWENDUNGSBEISPIEL - APPLICATION EXAMPLE



Serie PFE EMV geschirmtes Kunststoffgehäuse

Series PFE EMC Shielded Plastic Box

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Schrauben inklusive
PFE20-4-13 : M3-8 x 4 Stück
PFE : M2.5-8 x 4 Stück

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

Included screws
PFE20-4-13 model : M3-8 x 4 pcs
PFE other models : M2.5-8 x 4 pcs

- Serie PFE ist eine EMV abgeschirmte Version des Netzwerkkunststoffgehäuses, Serie PF.
  Innenseitig beschichtet mit DOTITE leitfähiger Farbe (mit leitfähigen Nickelpartikeln).
- Flaches Designgehäuse mit herausnehmbaren Deckelplatten.
- Schwerentflammbares ABS UL94V-0.
- Mit integrierten Befestigungsdomen zur Leiterplattenmontage.
- Geeignet für Wi-Fi access point, wireless LAN, HUB oder Controller-Anwendungen.

- PFE series is an EMC shielded version of the PF series network plastic box
  coated internally with DOTITE conductive paint (acrylic paint mixed with nickel filler).
- Flat designed plastic case with detachable panels.
- Made of flame-resistant ABS UL94V-0.
- Equipped with built-in bosses for PCB mounting.
- Suitable for Wi-Fi access point, measuring equipment, controller or various
  other applications for desktop, wall mounting use and so on.

Einzelteile

Nr.	Best-Nr.	Stück	Material	Farbe / Oberfläche	Leitfähige Farbe
1	Oberschale	1	ABS UL94V-0	weiß	DOTITE
2	Unterschale	1	ABS UL94V-0	weiß	DOTITE
3	Deckelplatten	2	ABS UL94V-0	weiß	DOTITE
4	Schraube	4	Stahl	vernickelt	—
5	Gummifüße	4	Elastomer	dunkelgrau	—

Components

No.	Part name	Pcs	Material	Color / Finish	Conductive paint
1	Top cover	1	ABS UL94V-0	Off-white	DOTITE
2	Bottom base	1	ABS UL94V-0	Off-white	DOTITE
3	Panel	2	ABS UL94V-0	Off-white	DOTITE
4	Self-tapping screw	4	Steel	Nickel plated	—
5	Rubber feet	4	Elastomer	Dark gray	—

PFE Zubehör (optional erhältlich) (Optional parts) PFE Accessories

Abstandsbolzen
Tapping standoff TPS series

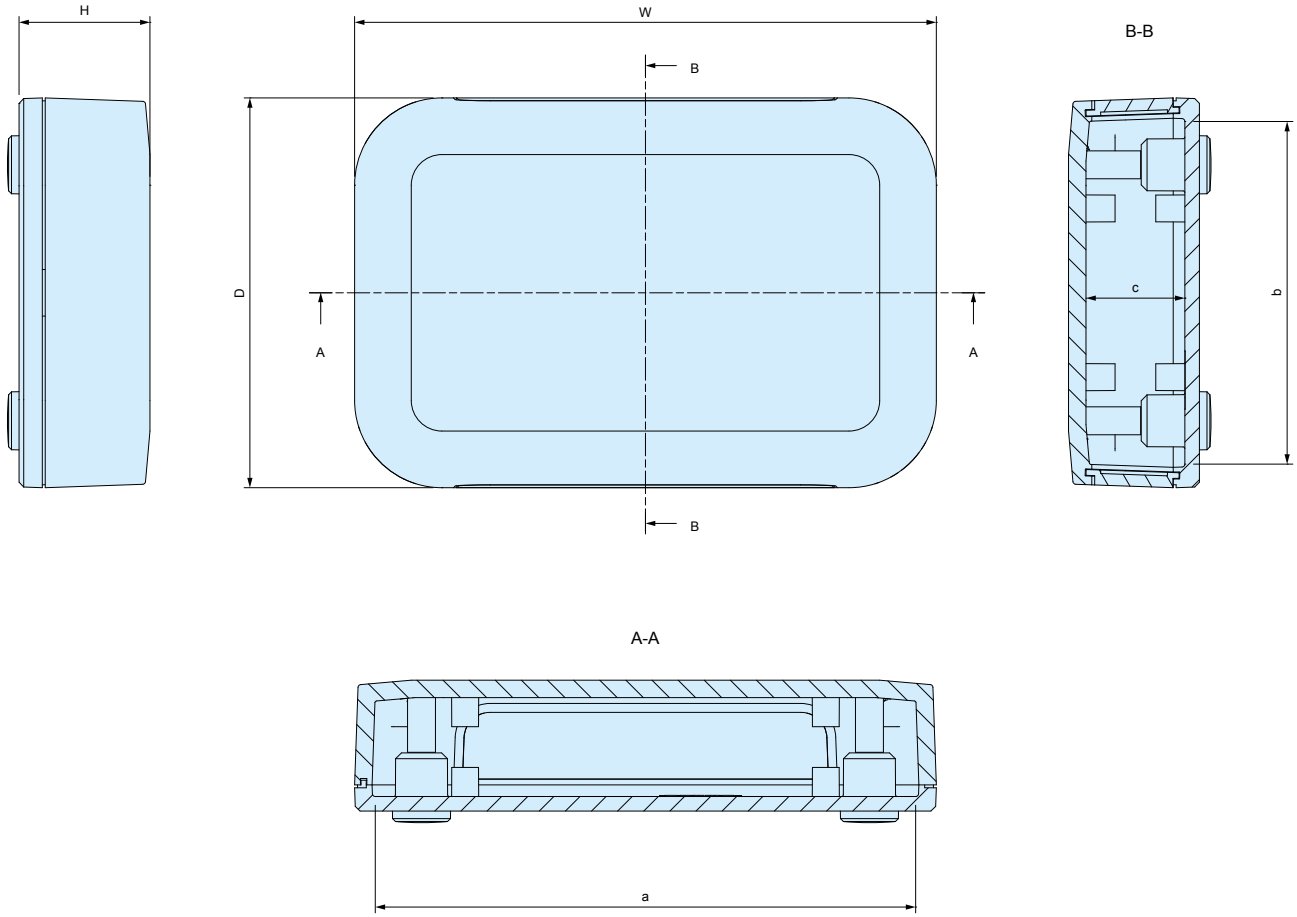
PCB Montageschraube
PCB mounting screw EM series

TORX Schraube
TORX screw MR series

Wandaufhängung
Suspension bracket WM series

Aufstellfuß
Tilt leg TLW series

PFE Maße PFE Dimensions



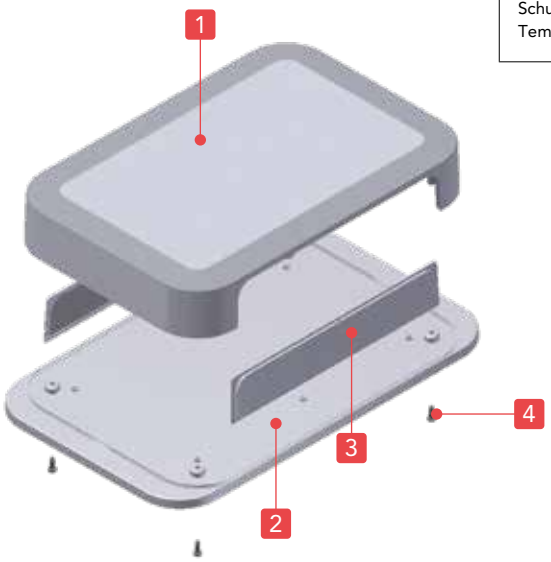
Product no. / Dimensions

Best-Nr. Product no.		Maße - Dimensions						Schraube Screw	Gewicht (g) Weight (g)
		W	H	D	a	b	c		
NEW	PFE13-4- 9W	125	40	85	116	75	34.5	M2.5-8 x 4 pcs	114
NEW	PFE15-3-10W	150	30	100	142	90	24	M2.5-8 x 4 pcs	152
NEW	PFE15-5-15W	150	45	150	141	139	39	M2.5-8 x 4 pcs	244.5
NEW	PFE20-4-13W	200	40	135	191.5	124.5	34	M3-8 x 4 pcs	274.5

Serie PFF
PFF Series

NEW

Netzwerk Kunststoffgehäuse zur Wandbefestigung
Flanged Network Plastic Box



Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

- Neues PF Kunststoffgehäuse mit Befestigungsflansch zur Wandmontage.
- Aus schwer entflammbarem Material ABS UL94V-0.
- 30 verschiedene Größen erhältlich.
- Mit integrierten Befestigungsdomen zur Leiterplattenmontage.
- Geeignet für Wi-Fi access point, wireless LAN, HUB oder Controller Anwendungen.

- New PF plastic case with wall mounting flange bottom design.
- Made of flame-resistant ABS UL94V-0 and available in off-white color.
- 30 different sizes available for selection.
- Equipped with built-in bosses for PCB mounting.
- Suitable for Wi-Fi access point, wireless LAN, HUB, controller or other applications.

Komponenten - Components

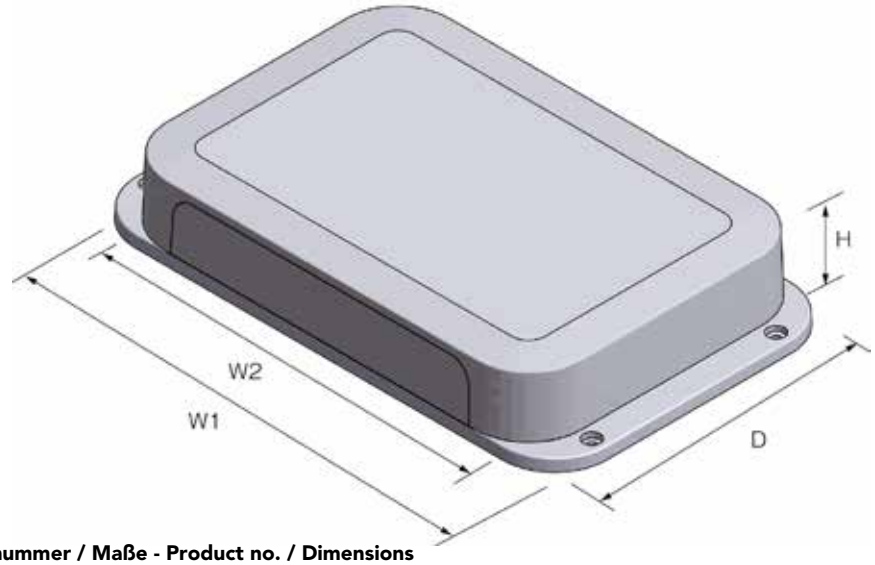
Nr. No.	Bezeichnung Part name	Stück Pcs	Material	Farbe / Oberfläche Color / Finish
1	Oberschale - Top cover	1	ABS UL94V-0	weiß - Off-white
2	Unterschale mit Befestigungsflansch - Flanged base	1	ABS UL94V-0	weiß - Off-white
3	Frontplatten - Panel	2	ABS UL94V-0	weiß - Off-white
4	Schraube - Self-tapping screw	4	Stahl - Steel	vernickelt - Nickel plated

Zubehör (optional erhältlich) (optional parts) Accessories

PCB Montageschraube
PCB mounting screw
Serie EM - EM series

TORX Schraube
TORX screw
Serie MR - MR series

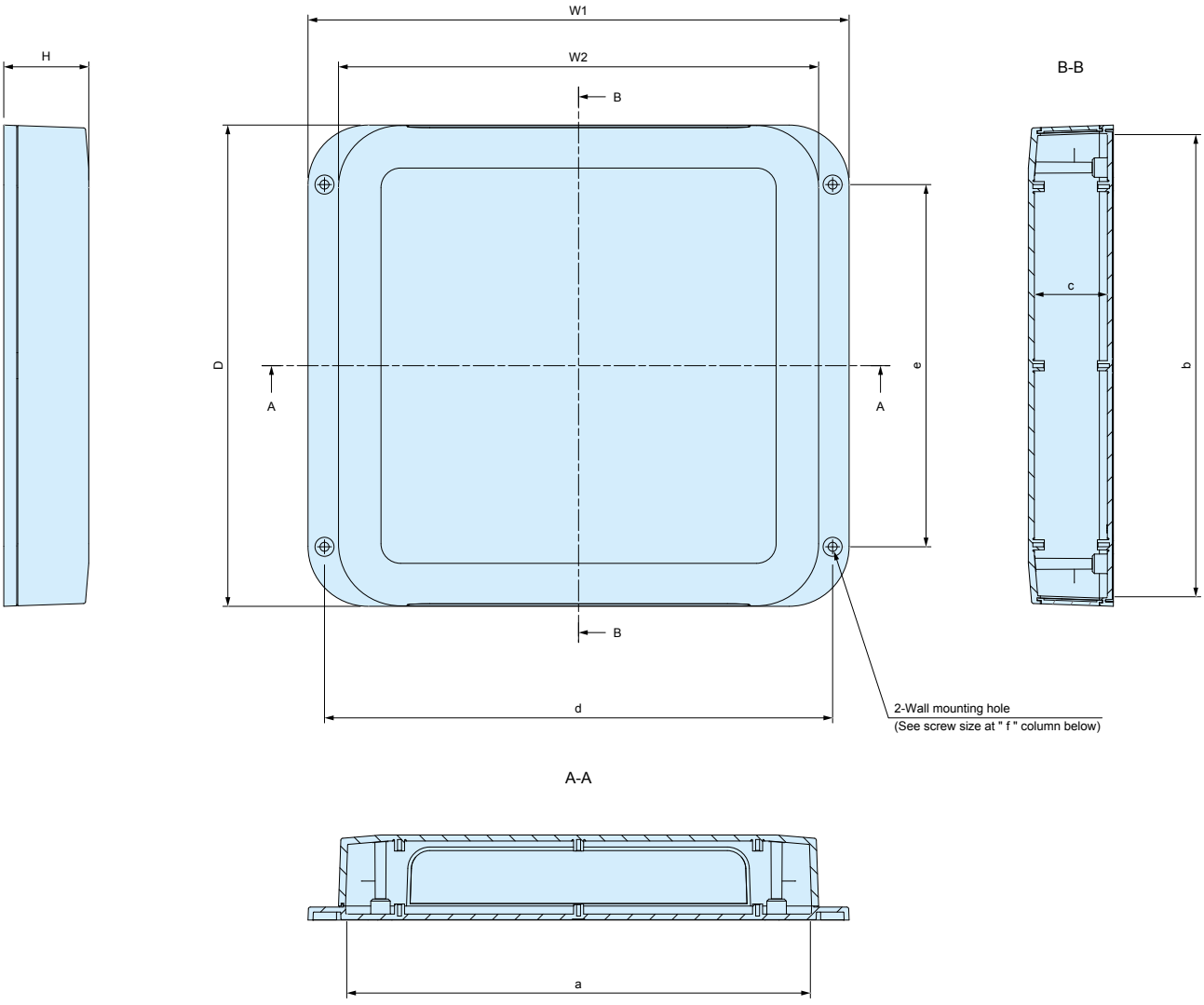
Abstandsbolzen
Tapping standoff
Serie TPS - TPS series



Bestellnummer / Maße - Product no. / Dimensions

Best-Nr. - Product no.	Maße - Dimensions				Schraube Screw	Gewicht (g) Weight (g)
weiß - Off-white	W1	W2	H	D		
PFF10- 2- 7W	124.3	100	22.5	67.3	M2.5-8 x 4 pcs	60.8
PFF10- 2-10W	124.3	100	22.5	100.3	M2.5-8 x 4 pcs	84.6
PFF10- 4- 7W	124.3	100	35	67.3	M2.5-8 x 4 pcs	72
PFF10- 4-10W	124.3	100	35	100.3	M2.5-8 x 4 pcs	99.1
PFF13- 3- 9W	149.3	125	25	85.3	M2.5-8 x 4 pcs	90.8
PFF13- 3-13W	155.3	125	25	125.3	M2.5-8 x 4 pcs	128.6
PFF13- 4- 9W	149.3	125	40	85.3	M2.5-8 x 4 pcs	108.4
PFF13- 4-13W	155.3	125	40	125.3	M2.5-8 x 4 pcs	152.3
PFF15- 3-10W	180.4	150	30	100.4	M2.5-8 x 4 pcs	145.2
PFF15- 3-15W	180.4	150	30	150.4	M2.5-8 x 4 pcs	211.3
PFF15- 5-10W	180.4	150	45	100.4	M2.5-8 x 4 pcs	168.6
PFF15- 5-15W	180.4	150	45	150.4	M2.5-8 x 4 pcs	235
PFF18- 4-12W	205.4	175	35	120.4	M2.5-8 x 4 pcs	192.1
PFF18- 4-18W	205.4	175	35	175.4	M2.5-8 x 4 pcs	209.8
PFF18- 5-12W	205.4	175	50	120.4	M2.5-8 x 4 pcs	215.8
PFF18- 5-18W	205.4	175	50	175.4	M2.5-8 x 4 pcs	299.7
PFF20- 4-13W	230.5	200	40	135.5	M3-8 x 4 pcs	267.7
PFF20- 4-20W	230.5	200	40	200.5	M3-8 x 4 pcs	376
PFF20- 6-13W	230.5	200	60	135.5	M3-8 x 4 pcs	309.7
PFF20- 6-20W	230.5	200	60	200.5	M3-8 x 4 pcs	422.9
PFF24- 4-17W	270.5	240	42.5	165.5	M3-8 x 4 pcs	366.9
PFF24- 4-24W	270.5	240	42.5	240.5	M3-8 x 4 pcs	513.5
PFF24- 6-17W	270.5	240	60	165.5	M3-8 x 4 pcs	403.8
PFF24- 6-24W	270.5	240	60	240.5	M3-8 x 4 pcs	560.8
NEW PFF28- 5-20W	310.5	280	45	200.5	M3-8 x 4 pcs	547.5
NEW PFF28- 7-20W	310.5	280	65	200.5	M3-8 x 4 pcs	606.6
NEW PFF28- 9-20W	310.5	280	90	200.5	M3-8 x 4 pcs	694.1
NEW PFF32- 5-23W	350.5	320	45	225.5	M3-8 x 4 pcs	679.9
NEW PFF32- 7-23W	350.5	320	70	225.5	M3-8 x 4 pcs	767.4
NEW PFF32-10-23W	350.5	320	100	225.5	M3-8 x 4 pcs	887.4

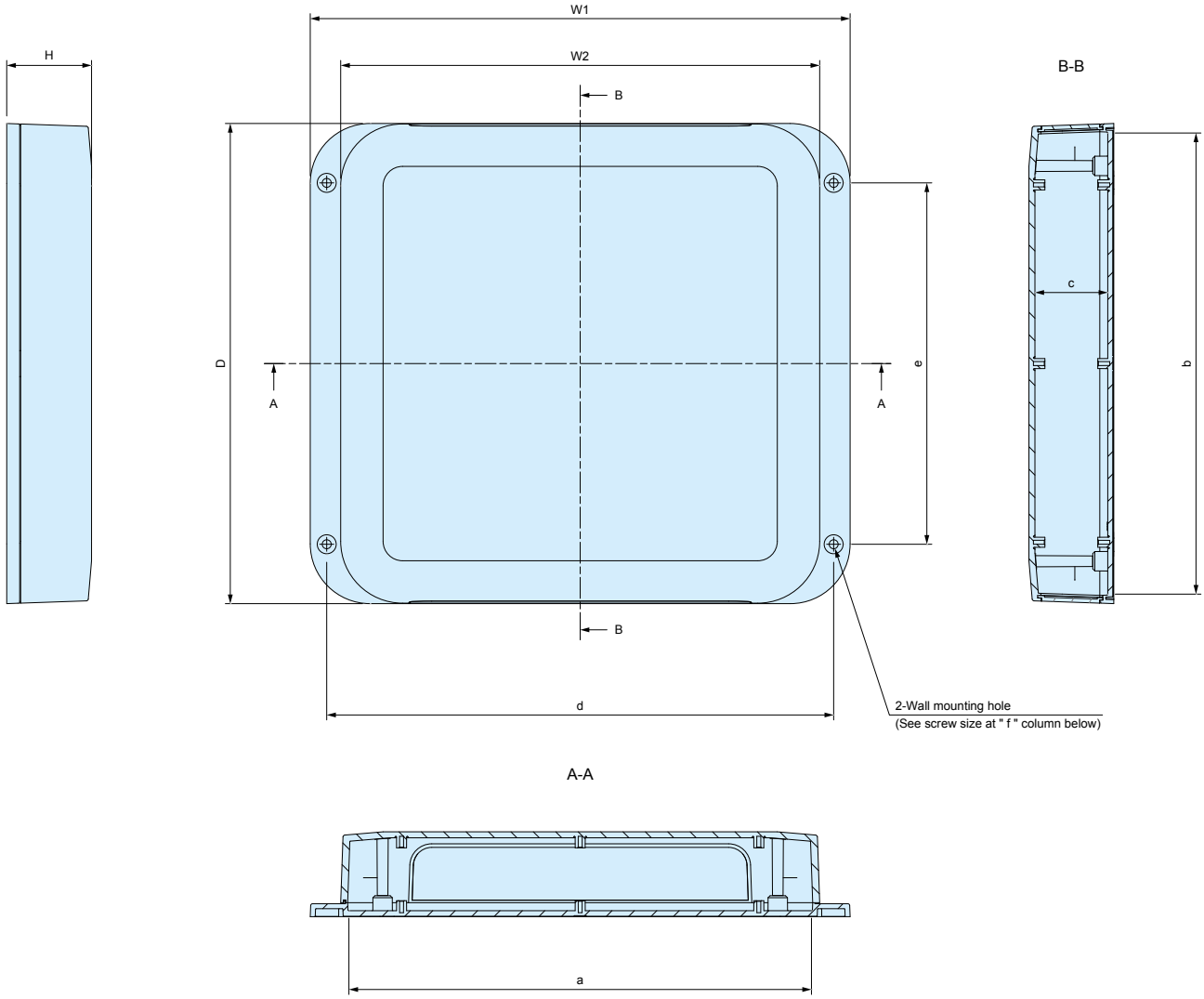
PFF Maße PFF Dimensions



Best-Nr. - Product no.	W1	W2	H	D	a	b	c	d	f
PFF10-2- 7W	124.3	100	22.5	67.3	92	58	17	111	M3
PFF10-2-10W	124.3	100	22.5	100.3	92	91	17	111	M3
PFF10-4- 7W	124.3	100	35	67.3	91	57	29.5	111	M3
PFF10-4-10W	124.3	100	35	100.3	91	90	29.5	111	M3
PFF13-3- 9W	149.3	125	25	85.3	117	76	19.5	136	M3
PFF13-3-13W	155.3	125	25	125.3	117	116	19.5	138.9	M4
PFF13-4- 9W	149.3	125	40	85.3	116	75	34.5	136	M3
PFF13-4-13W	155.3	125	40	125.3	116	115	34.5	138.9	M4
PFF15-3-10W	180.4	150	30	100.4	142	90	24	164	M4
PFF15-3-15W	180.4	150	30	150.4	142	140	24	164	M4
PFF15-5-10W	180.4	150	45	100.4	141	89	39	164	M4
PFF15-5-15W	180.4	150	45	150.4	141	139	39	164	M4
PFF18-4-12W	205.4	175	35	120.4	166	110	29	189	M4
PFF18-5-12W	205.4	175	50	120.4	165	109	44	189	M4
PFF20-4-13W	230.5	200	40	135.5	191.5	124.5	34	214	M4
PFF20-6-13W	230.5	200	60	135.5	190	123	54	214	M4

PFF Maße

PFF Dimensions



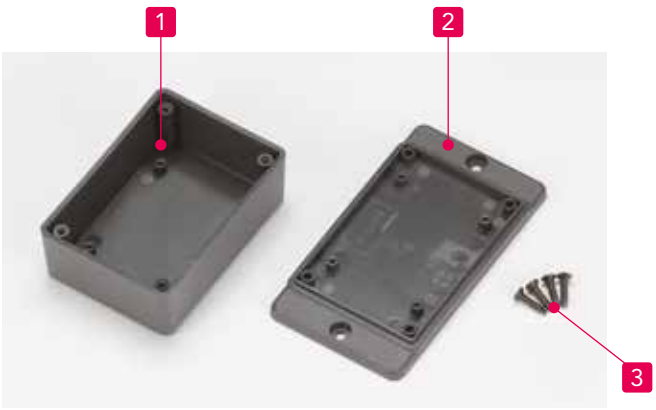
Best-Nr. - Product no.	W1	W2	H	D	a	b	c	d	e	f
PFF18- 4-18W	205.4	175	35	175.4	166	165	29	189	130	M4
PFF18- 5-18W	205.4	175	50	175.4	165	164	44	189	130	M4
PFF20- 4-20W	230.5	200	40	200.5	191.5	189.5	34	214	145	M4
PFF20- 6-20W	230.5	200	60	200.5	190	188	54	214	145	M4
PFF24- 4-17W	270.5	240	42.5	165.5	230	154	36.5	254	106	M4
PFF24- 6-17W	270.5	240	60	165.5	229	153	54	254	106	M4
PFF24- 4-24W	270.5	240	42.5	240.5	230	229	36.5	254	181	M4
PFF24- 6-24W	270.5	240	60	240.5	229	228	54	254	181	M4
PFF28- 5-20W	310.5	280	45	200.5	269.5	189	38.5	293.5	137	M4
PFF28- 7-20W	310.5	280	65	200.5	268.5	187.5	58.5	293.5	137	M4
PFF28- 9-20W	310.5	280	90	200.5	266.5	185.5	83.5	293.5	137	M4
PFF32- 5-23W	350.5	320	45	225.5	309.5	214	38.5	333.5	152	M4
PFF32- 7-23W	350.5	320	70	225.5	308	212	63.5	333.5	152	M4
PFF32-10-23W	350.5	320	100	225.5	306	210	93.5	333.5	152	M4

Serie TWF Kunststoffgehäuse mit Wand-Montageflansch

Series TWF plastic enclosure with wall mounting flange

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C



- Mehrzweck-Gehäuse für Geräte, die an der Wand oder an einem Terminal montiert werden.
- In 23 Größen, 2 Farben erhältlich, schwer entflammbares ABS UL94V-0 : UL94V-1.
- Inklusive Befestigungsmöglichkeit für Leiterplatten.
- Vielseitig geeignet für Messinstrumente, Kommunikationsgeräte, Regelgeräte etc.

- Multi-purpose flanged enclosure designed for use as a wall-mounted device/terminal.
- 23 different sizes in 2 colors. Made of ABS UL94V-0 : UL94V-1.
- Equipped with screwing bosses for PCB.
- Recommended to be used as measurement instruments, wireless communication gadgets, controller devices and so on.

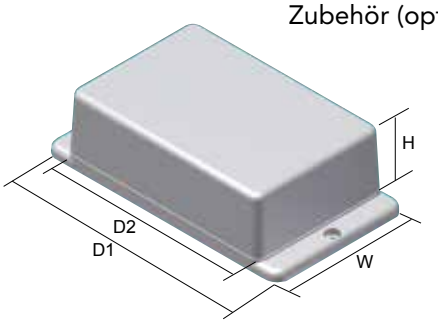
Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Deckel	1	ABS UL94V-0 : UL94-1	Hellgrau • Dunkelgrau
2	Grundplatte	1	ABS UL94V-0 : UL94-1	Hellgrau • Dunkelgrau
3	selbstschneidende Schrauben	2 / 4	Stahl	Vernickelt • Schwarz verchromt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Cover	1	ABS UL94V-0 : UL94-1	Off-white • Dark gray
2	Flanged base	1	ABS UL94V-0 : UL94-1	Off-white • Dark gray
3	Self tapping screw	2 / 4	Steel	Nickel plated • Black trivalent choromate

Zubehör (optional erhältlich) - Accessories (optional parts)



TORX Schraube
TORX screw
MR series

PCB Montageschraube
PCB mounting screw
EM-2.3

Abstandsbolzen
Tapping standoff
TPS series

Anwendungsbeispiele — Application Examples

SOLAR POWER SYSTEM REMOTE MONITOR

Product by Wave Energy Inc. (Japan)
Website : wavee.co.jp

SOLAR PANEL CHARGE CONTROLLER

Product by SunWorks Inc. (UK)
Website : sunworks.co.uk

WIRELESS RFID TAG SEARCH DEVICE

Product by MULTILUX (Slovenia)
Website : multilux.eu

RFID TAG

Using our PS-65W portable plastic case.

WIRELESS LIGHTING CONTROL ROUTER

Product by Deus LLC (Russia)
Website : me6cloud.com

Farbcode

Code	Deckel	Grundplatte	Schrauben
W	hellgrau	hellgrau	vernickelt
D	dunkelgrau	dunkelgrau	schwarz verchromt

Color Type

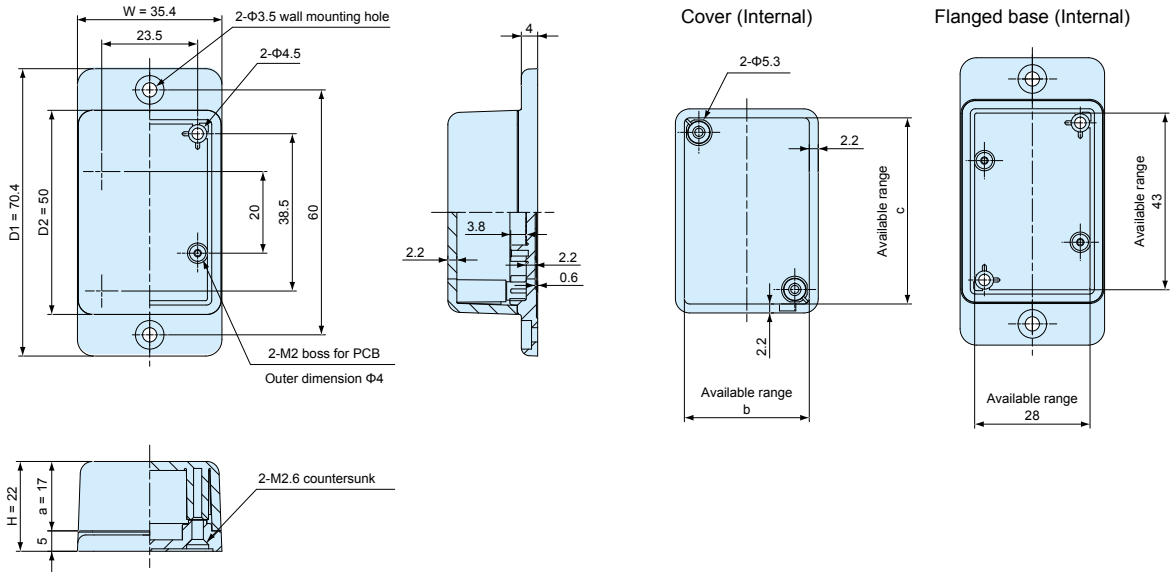
Code	Cover	Flanged base	Screw
W	off-white	off-white	nickel plated
D	dark gray	dark gray	black trivalent chromate

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.		Maße - Dimensions				UL Klasse UL class	Schrauben Screw	Gewicht Weight (g)
○ Off-white	● Dark gray	W	H	D1 (Flanged base)	D2 (Cover)			
TWF 4-2- 5W	TWF 4-2- 5D	35.4	22	70.4	50	UL94V-0	M2.6-12 × 2 pcs	19.7
TWF 5-2- 5W	TWF 5-2- 5D	50.4	17	70.4	50	UL94V-1	M2.6-12 × 4 pcs	21.5
TWF 5-3- 5W	TWF 5-3- 5D	50.4	27	70.4	50	UL94V-1	M2.6-12 × 4 pcs	26.5
TWF 5-2- 7W	TWF 5-2- 7D	50.4	17	90.4	70	UL94V-1	M2.6-12 × 4 pcs	29
TWF 5-3- 7W	TWF 5-3- 7D	50.4	29.5	90.4	70	UL94V-1	M2.6-12 × 4 pcs	36
TWF 5-4- 7W	TWF 5-4- 7D	50.4	42	90.4	70	UL94V-1	M2.6-12 × 4 pcs	43.5
TWF 5-3- 9W	TWF 5-3- 9D	45.6	27.5	111	90	UL94V-0	M2.6-12 × 4 pcs	43
TWF 7-2-11W	TWF 7-2-11D	70.6	20.5	127	105	UL94V-0	M2.6-14 × 4 pcs	66.5
TWF 7-4-11W	TWF 7-4-11D	70.6	35.5	127	105	UL94V-0	M2.6-14 × 4 pcs	82
TWF 7-5-11W	TWF 7-5-11D	70.6	50.5	127	105	UL94V-0	M2.6-14 × 4 pcs	96.5
TWF 7-3-13W	TWF 7-3-13D	65.5	25.5	150	130	UL94V-0	M3-16 × 4 pcs	87
TWF 7-5-13W	TWF 7-5-13D	65.5	50	150	130	UL94V-0	M3-16 × 4 pcs	114
TWF 8-2- 8W	TWF 8-2- 8D	80.6	23.5	100.6	80	UL94V-0	M2.6-14 × 4 pcs	62
TWF 8-4- 8W	TWF 8-4- 8D	80.6	43.5	100.6	80	UL94V-0	M2.6-14 × 4 pcs	82
TWF 9-4-17W	TWF 9-4-17D	86	35	190	170	UL94V-0	M3-16 × 4 pcs	150
TWF 9-6-17W	TWF 9-6-17D	86	60	190	170	UL94V-0	M3-16 × 4 pcs	184
TWF11-5-22W	TWF11-5-22D	110.3	45	250.6	220	UL94V-0	M3-16 × 4 pcs	250
TWF11-8-22W	TWF11-8-22D	110.3	75	250.6	220	UL94V-0	M3-16 × 4 pcs	303
TWF13-3-13W	TWF13-3-13D	125.6	25	155.6	125	UL94V-0	M3-16 × 4 pcs	155
TWF13-5-13W	TWF13-5-13D	125.6	45	155.6	125	UL94V-0	M3-16 × 4 pcs	189
TWF13-3-18W	TWF13-3-18D	125.6	25	205.6	175	UL94V-0	M3-16 × 4 pcs	199
TWF13-5-18W	TWF13-5-18D	125.6	45	205.6	175	UL94V-0	M3-16 × 4 pcs	242
TWF13-7-18W	TWF13-7-18D	125.6	65	205.6	175	UL94V-0	M3-16 × 4 pcs	281

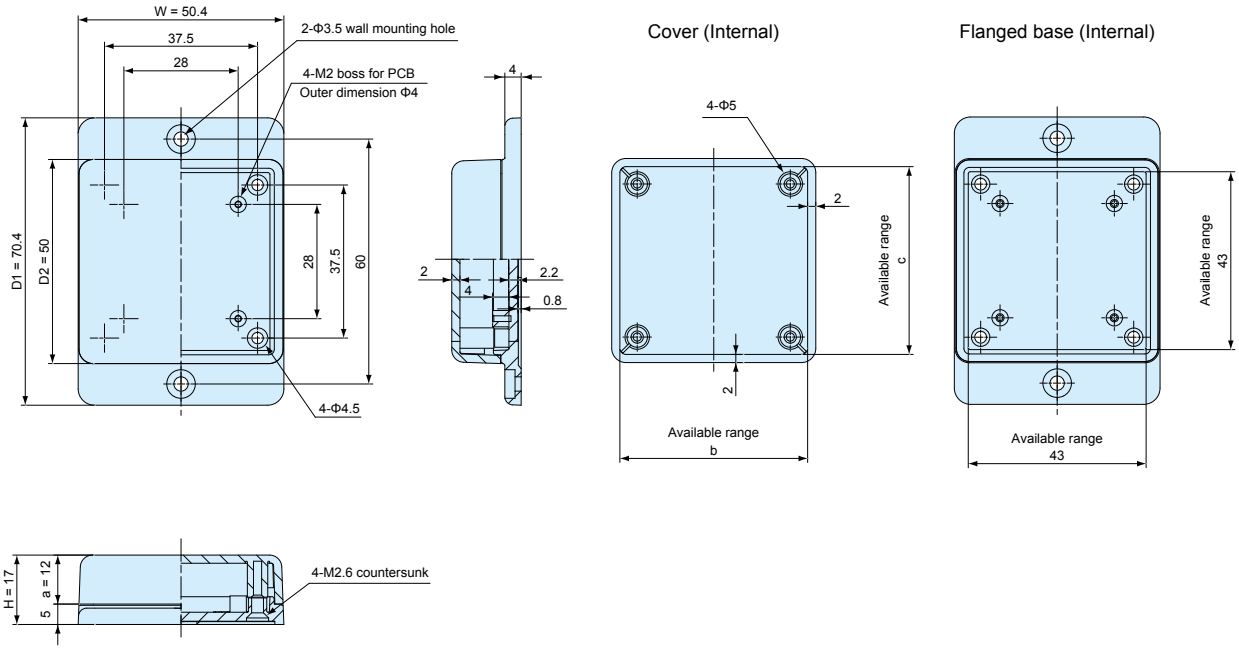
TWF Maße TWF dimensions

TWF4-2-5□



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF4-2-5□	35.4	22	70.4	50	17	29	44

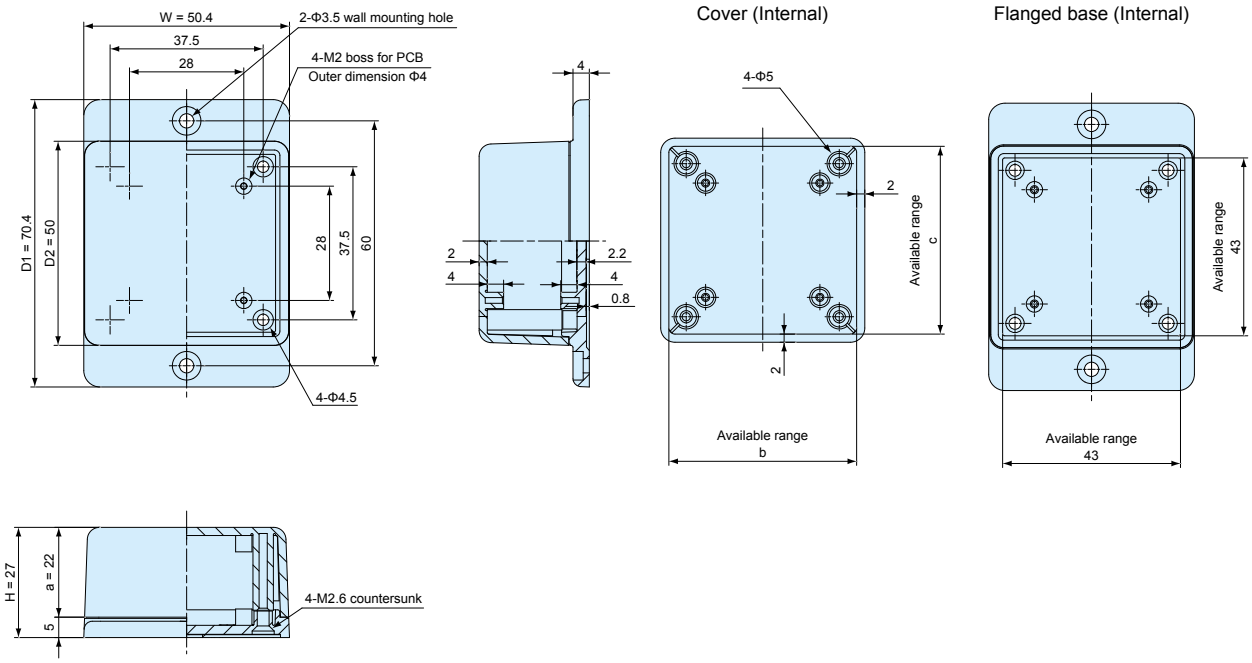
TWF5-2-5□



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF5-2-5□	50.4	17	70.4	50	12	45	45

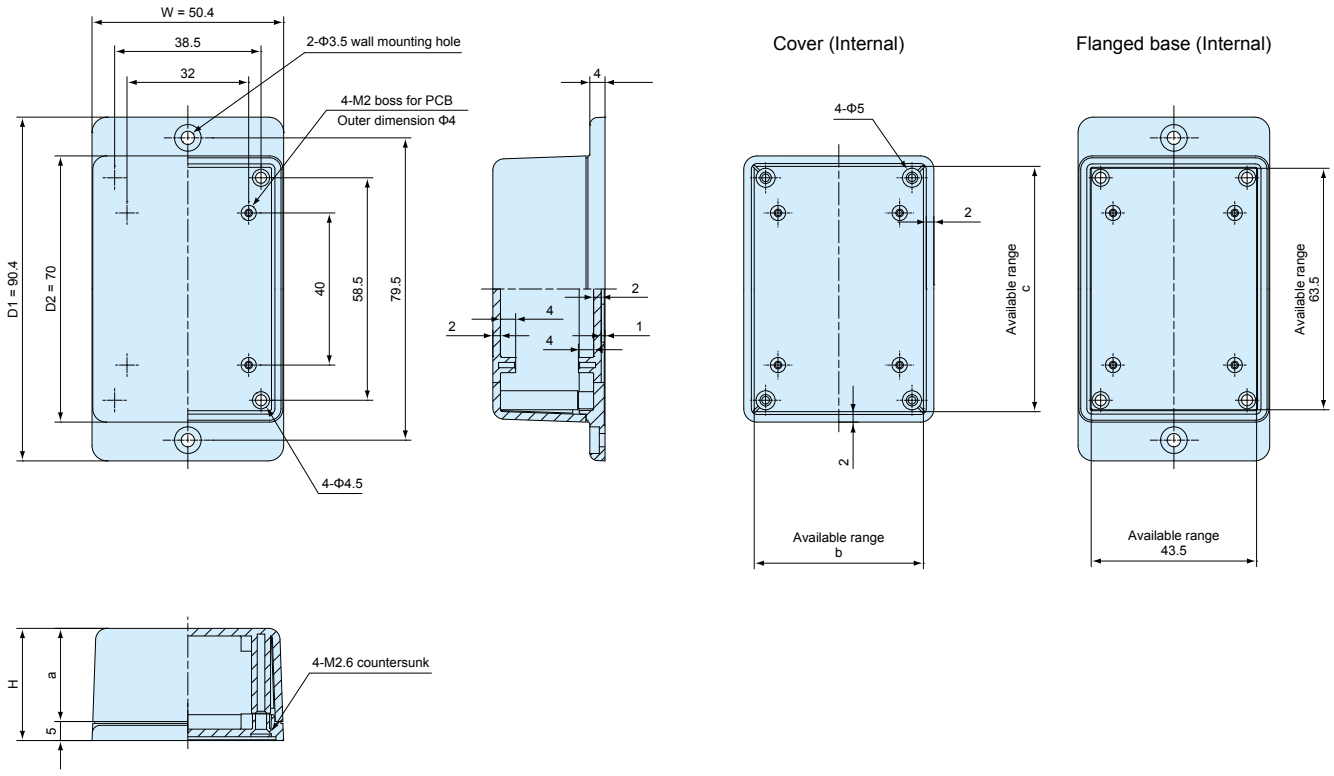
TWF Maße TWF dimensions

TWF5-3-5☐



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF5-3-5☐	50.4	27	70.4	50	22	44.5	44.5

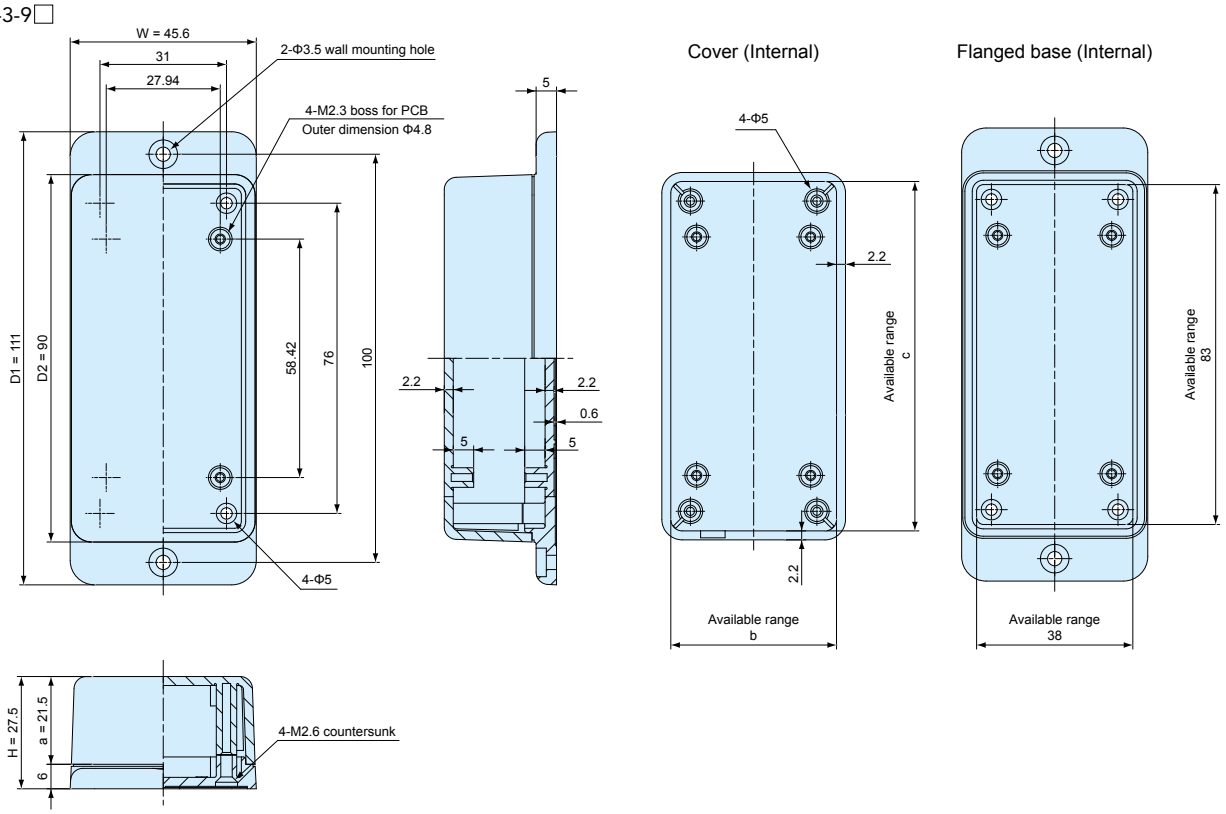
TWF5-2-7☐
TWF5-3-7☐
TWF5-4-7☐



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF5-2-7☐	50.4	17	90.4	70	12	44.5	64.5
TWF5-3-7☐	50.4	29.5	90.4	70	24.5	44	64
TWF5-4-7☐	50.4	42	90.4	70	37	43	63

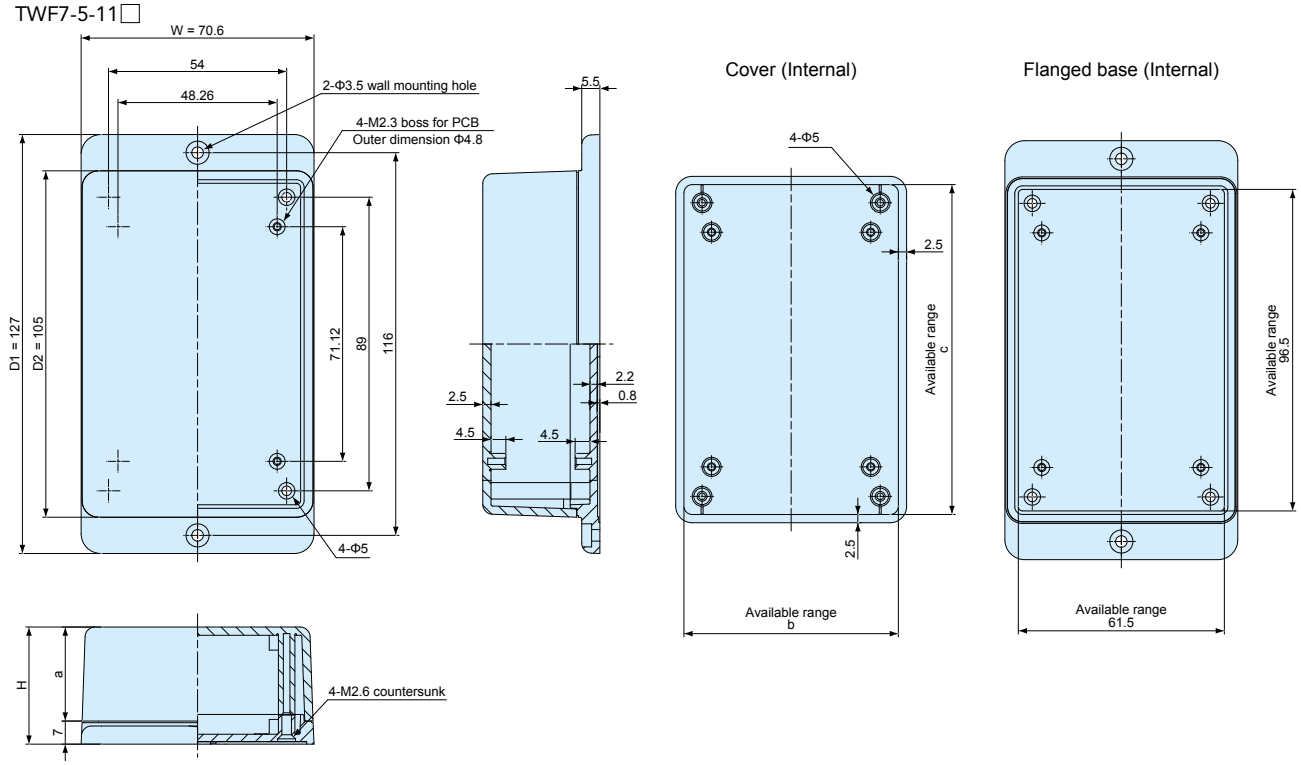
TWF Maße TWF dimensions

TWF5-3-9☐



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF5-3-9☐	45.6	27.5	111	90	21.5	39	84

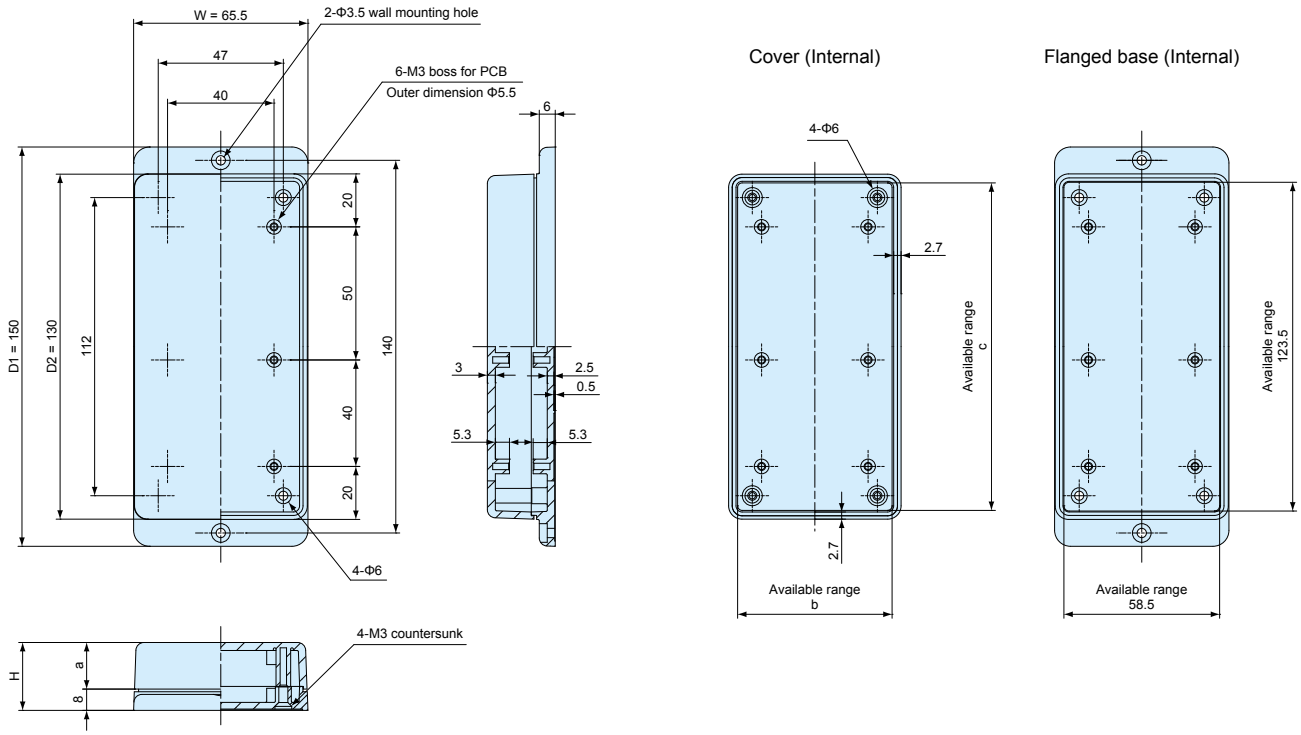
TWF7-2-11☐
TWF7-4-11☐
TWF7-5-11☐



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF7-2-11☐	70.6	20.5	127	105	13.5	63.5	98.5
TWF7-4-11☐	70.6	35.5	127	105	28.5	62.5	97.5
TWF7-5-11☐	70.6	50.5	127	105	43.5	61.5	96.5

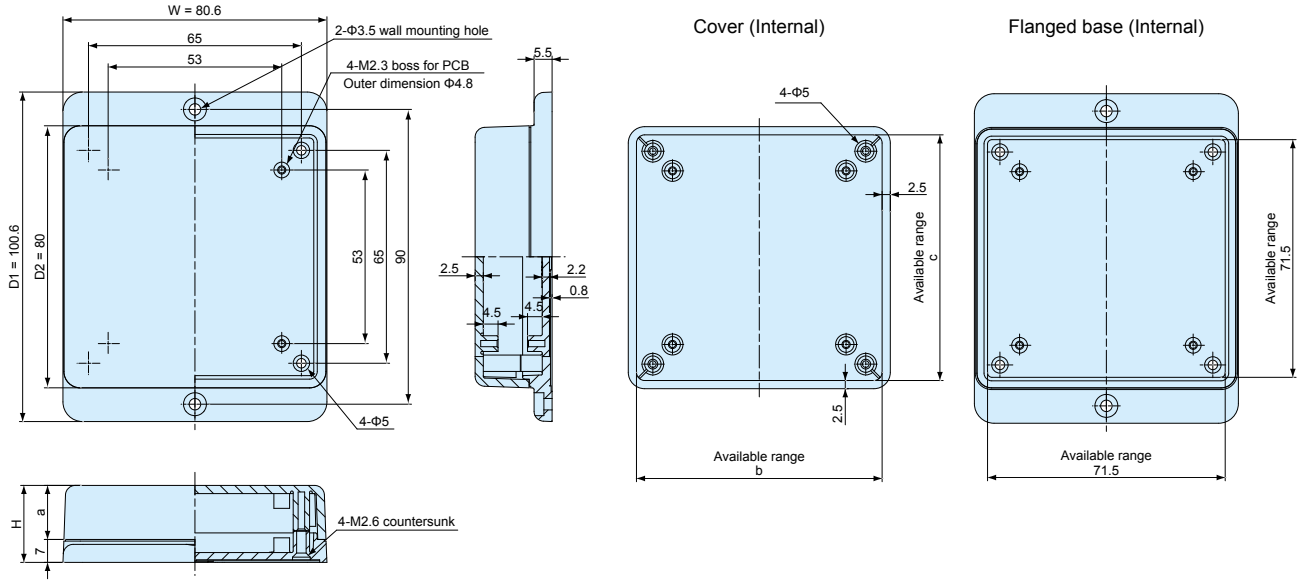
TWF Maße TWF dimensions

TWF7-3-13☐
TWF7-5-13☐



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF7-3-13☐	65.5	25.5	150	130	17.5	58	123
TWF7-5-13☐	65.5	50	150	130	42	56.5	121.5

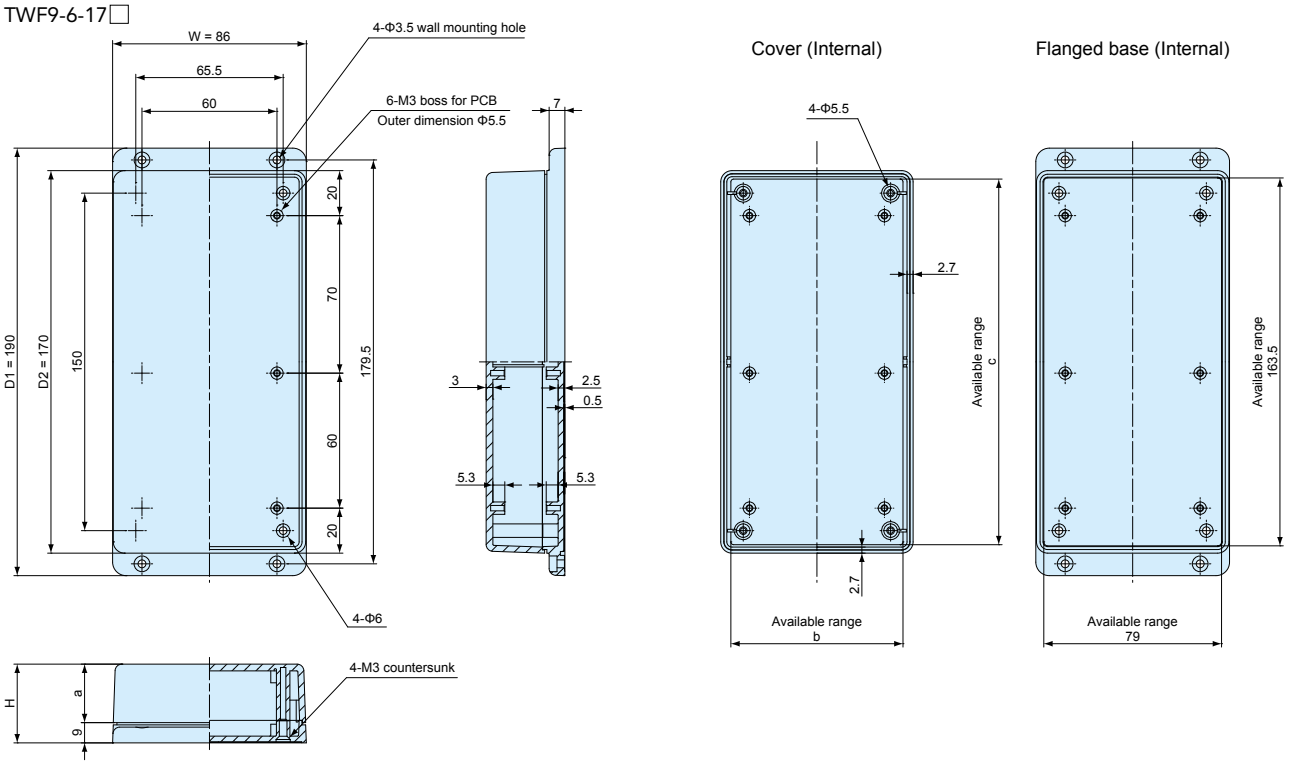
TWF8-2-8☐
TWF8-4-8☐



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF8-2-8☐	80.6	23.5	100.6	80	16.5	73.5	73.5
TWF8-4-8☐	80.6	43.5	100.6	80	36.5	72	72

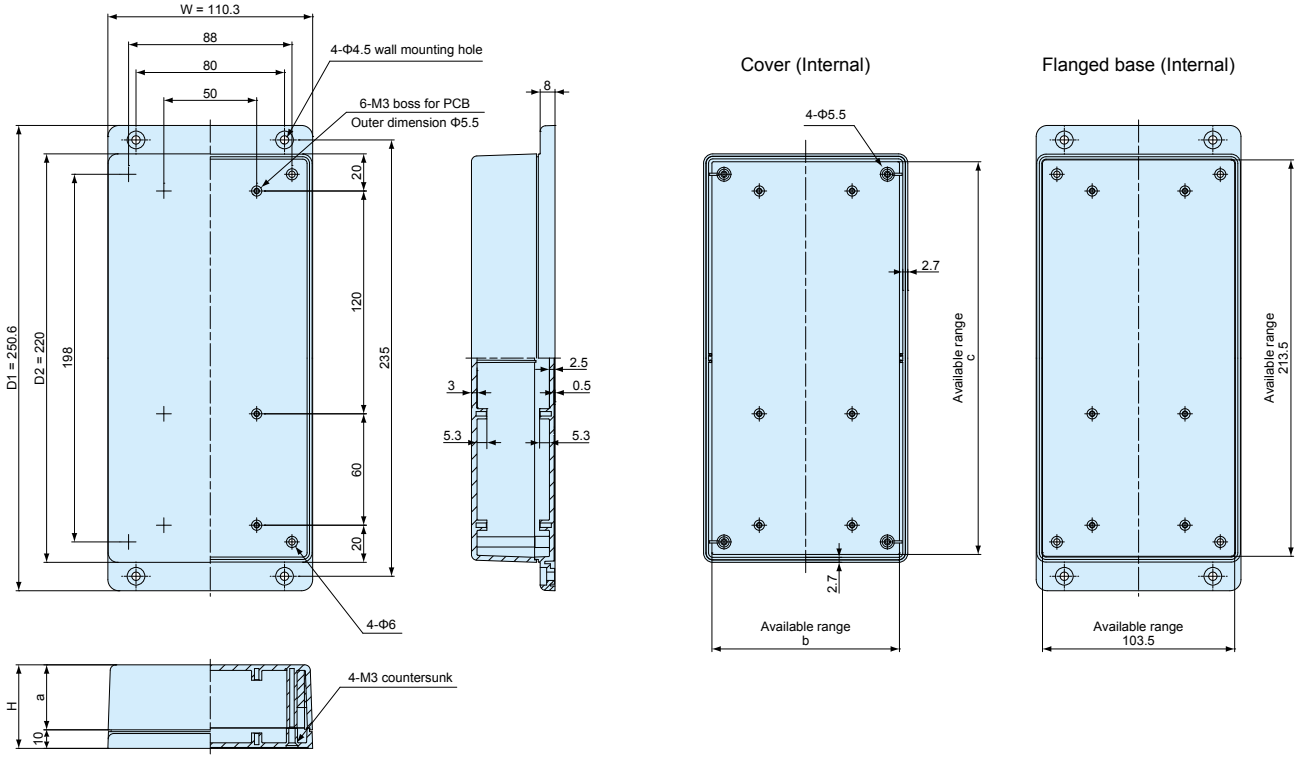
TWF Maße — TWF dimensions

TWF9-4-17☐
TWF9-6-17☐



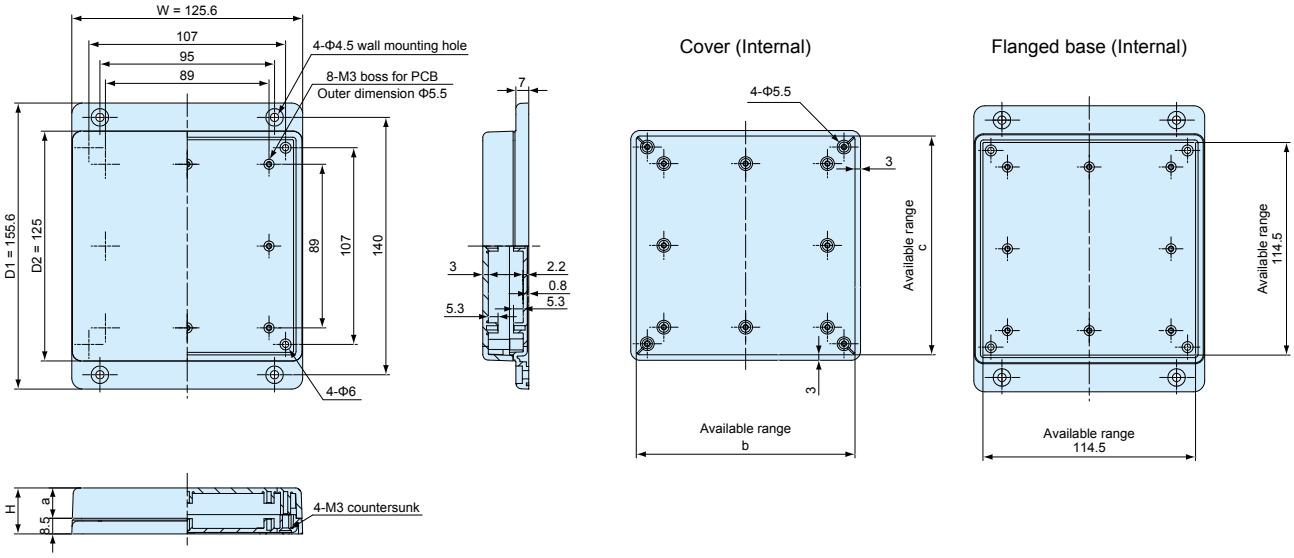
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF9-4-17☐	86	35	190	170	26	76.5	162.5
TWF9-6-17☐	86	60	190	170	51	76.5	161

TWF11-5-22☐
TWF11-8-22☐



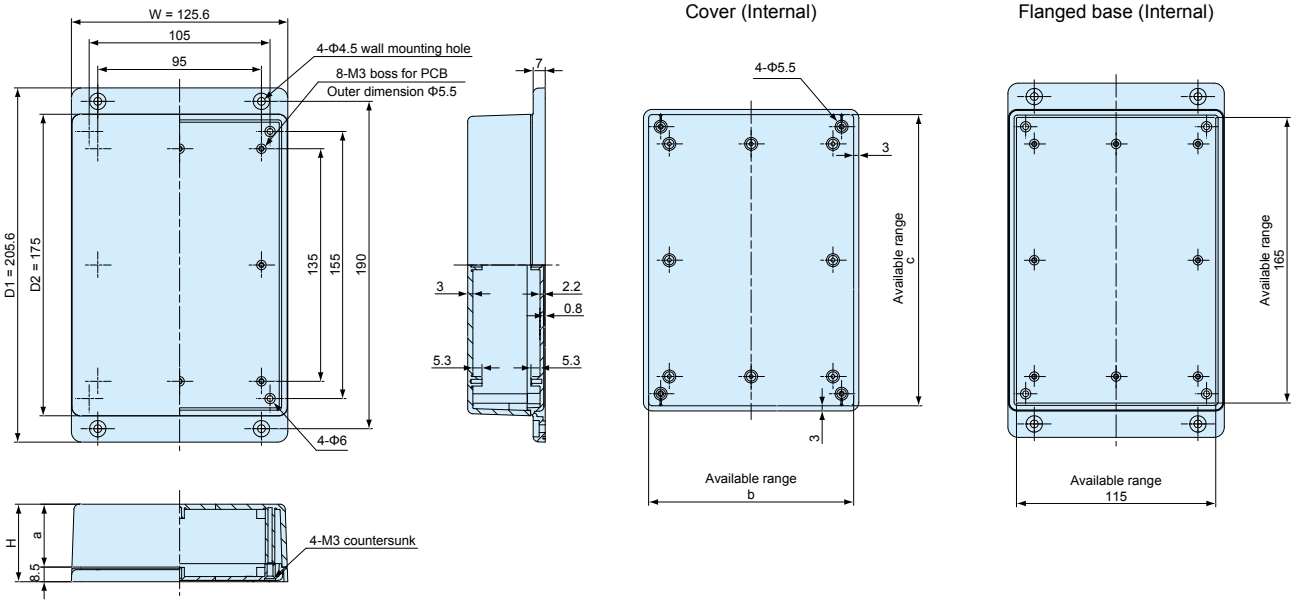
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF11-5-22☐	110.3	45	250.6	220	35	101	211.5
TWF11-8-22☐	110.3	75	250.6	220	65	100	210

TWF13-3-13□
TWF13-5-13□



Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF13-3-13□	125.6	25	155.6	125	16.5	118	118
TWF13-5-13□	125.6	45	155.6	125	36.5	116.5	116.5

TWF13-3-18□
TWF13-5-18□
TWF13-7-18□



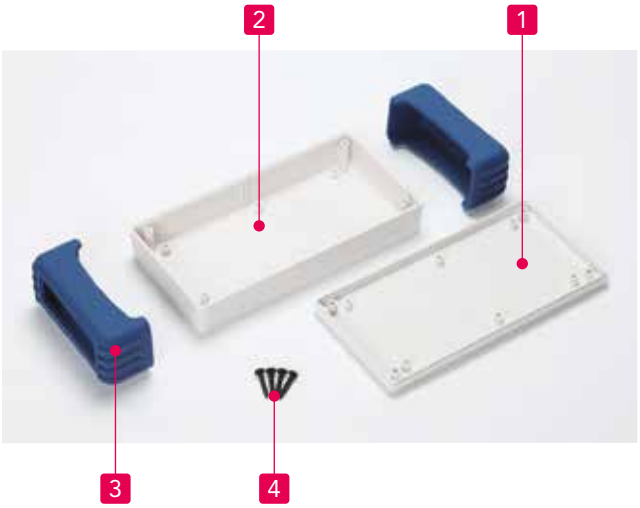
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF13-3-18□	125.6	25	205.6	175	16.5	117.5	167.5
TWF13-5-18□	125.6	45	205.6	175	36.5	116.5	166.5
TWF13-7-18□	125.6	65	205.6	175	56.5	115	165

Technische Daten
Temperaturbereich: -10°C ~ +60°C

Technical Data
Operating temperature: -10°C ~ +60°C

Serie TWS Kunststoffgehäuse mit Silikon-Schutzecken

Series TWS Plastic enclosure with silicone protector



- Universelles Kunststoffgehäuse mit schützenden Silikonecken. Die Silikonecken sind federnd, rutschhemmend und schützen Ihr Gerät vor Beschädigungen.
- Verfügbar in 11 Größen und 18 Farbkombinationen.
- Die Silikonecken werden zusammen mit dem Gehäuse verschraubt.

- Universal plastic enclosure with protective silicone protectors which functions both as an anti-slip grip and impact protection.
- Available in 11 sizes and selectable in 18 different color combinations.
- Plastic case and protective silicone with screw fastening.

Einzelteile

Nr.	Bezeichnung	Stück	Material : Farbe / Oberfläche
1	Deckel	1	ABS UL94HB : Lichtgrau • Schwarz - ABS UL94V-0 : Weiß
2	Boden	1	ABS UL94HB : Lichtgrau • Schwarz - ABS UL94V-0 : Weiß
3	Silikonschutz	2	Silikon : Pink • Gelb • Grün • Navy • Lichtgrau • Schwarz
4	Schraube	4	Stahl M3-20 / Schwarz chromatiert

Components

No.	Part name	Pcs	Material : Color / Finish
1	Top cover	1	ABS UL94HB : Light gray • Black - ABS UL94V-0 : Off-white
2	Bottom cover	1	ABS UL94HB : Light gray • Black - ABS UL94V-0 : Off-white
3	Silicone protector	2	Silicone : Pink • Yellow • Green • Navy • Light gray • Black
4	Self tapping screw	4	Steel M3-20 / Black trivalent chromate

Zubehör (optional erhältlich) - Accessories (optional parts)

PCB Montageschraube
PCB mounting screw
EM-2.3

Abstandsbolzen
Tapping standoff
TPS series

Snap-in Batteriefach
Snap-in battery box
LD • LDN series

Farbcode - Color Type

Code	BP Schwarz / Pink BP Black / Pink	BY Schwarz / Gelb BY Black / Yellow	BG Schwarz / Grün BG Black / Green	BN Black / Navy BN Black / Navy	BL Schwarz / Lichtgrau BL Black / Light gray	BB Schwarz / Schwarz BB Black / Black
Farbe - Color						
Code	GP Lichtgrau / Pink	GY Lichtgrau / Gelb	GG Lichtgrau / Gün	GN Lichtgrau / Navy	GL Lichtgrau / Lichtgrau	GB Lichtgrau / Schwarz
	GP Light gray / Pink	GY Light gray / Yellow	GG Light gray / Green	GN Light gray / Navy	GL Light gray / Light gray	GB Light gray / Black
Farbe - Color						
Code	WP Weiß / Pink	WY Weiß / Gelb	WG Weiß / Grün	WN Weiß / Navy	WL Weiß / Hellgrau	WB Weiß / Schwarz
	WP Off-white / Pink	WY Off-white / Yellow	WG Off-white / Green	WN Off-white / Navy	WL Off-white / Light gray	WB Off-white / Black
Farbe - Color						

■ Hinweis: Das Material ist bei den Farben unterschiedlich, Schwarz und Lichtgrau sind aus ABS UL94HB; Weiß ist aus ABS UL94V–0.
■ Note: Enclosure material varies depending on color. Black and Light gray are ABS UL94HB; Off-white is ABS UL94V–0.

ABS UL94HB (Schwarz - Black • Lichtgrau - Light gray)

Best.-Nr. / Maße - Product no. / Dimensions ■ Bitte ergänzen Sie den Farbcode am Ende der Bestellnr. - ■ Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	Kunststoffmaterial Plastic case material	Gewicht (g) Weight (g)
TWS 7-3-13□□	71(65)	32(25.6)	136(130)	ABS UL94HB	117
TWS 7-5-13□□	71(65)	56(50.1)	136(130)	ABS UL94HB	147.5
TWS 9-4-17□□	91.5(85.5)	41.5(35.5)	176(170)	ABS UL94HB	193
TWS 9-6-17□□	91.5(85.5)	66.5(60.5)	176(170)	ABS UL94HB	243
TWS11-5-22□□	116(110)	51.5(45.3)	226(220)	ABS UL94HB	325.5
TWS11-8-22□□	116(110)	81.5(75.3)	226(220)	ABS UL94HB	399
TWS13-3-13□□	131(125)	31(25)	131(125)	ABS UL94HB	222
TWS13-5-13□□	131(125)	51(45)	131(125)	ABS UL94HB	269.5
TWS13-3-18□□	131(125)	31(25)	181(175)	ABS UL94HB	271.5
TWS13-5-18□□	131(125)	51(45)	181(175)	ABS UL94HB	322
TWS13-7-18□□	131(125)	71(65)	181(175)	ABS UL94HB	371

■ ( ) Klammerwert = Gehäuseabmessung. - ■ ( ) value = enclosure dimension.

ABS UL94V-0 (Weiß - Off-white)

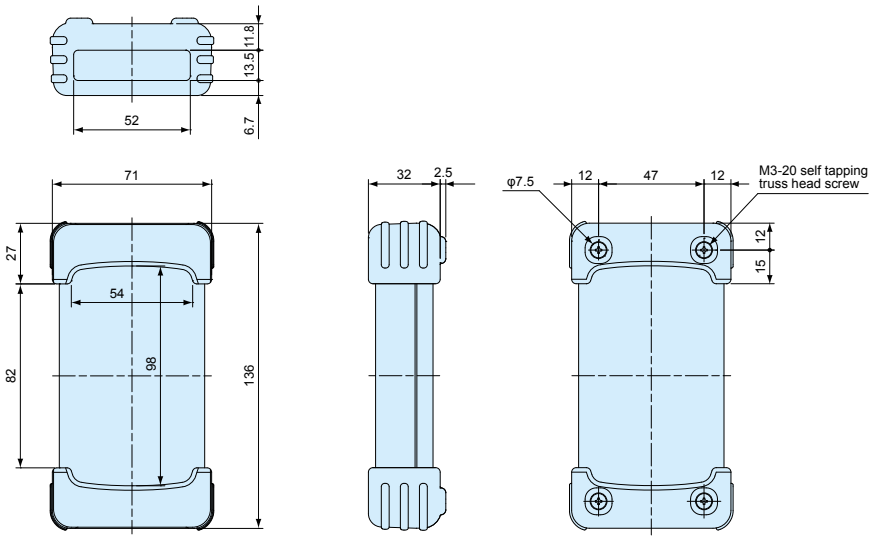
Best.-Nr. / Maße - Product no. / Dimensions ■ Bitte ergänzen Sie den Farbcode am Ende der Bestellnr. - ■ Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	Kunststoffmaterial Plastic case material	Gewicht (g) Weight (g)
TWS 7-3-13W□	71(65)	32(25.6)	136(130)	ABS UL94V-0	126
TWS 7-5-13W□	71(65)	56(50.1)	136(130)	ABS UL94V-0	163
TWS 9-4-17W□	91.5(85.5)	41.5(35.5)	176(170)	ABS UL94V-0	211
TWS 9-6-17W□	91.5(85.5)	66.5(60.5)	176(170)	ABS UL94V-0	266
TWS11-5-22W□	116(110)	51.5(45.3)	226(220)	ABS UL94V-0	356.5
TWS11-8-22W□	116(110)	81.5(75.3)	226(220)	ABS UL94V-0	438
TWS13-3-13W□	131(125)	31(25)	131(125)	ABS UL94V-0	243.5
TWS13-5-13W□	131(125)	51(45)	131(125)	ABS UL94V-0	294
TWS13-3-18W□	131(125)	31(25)	181(175)	ABS UL94V-0	293.5
TWS13-5-18W□	131(125)	51(45)	181(175)	ABS UL94V-0	353
TWS13-7-18W□	131(125)	71(65)	181(175)	ABS UL94V-0	407.5

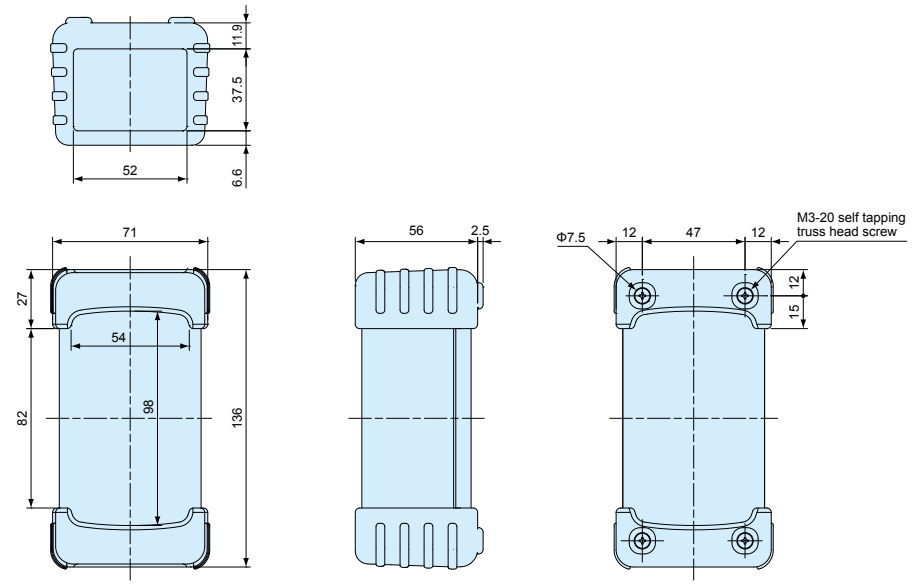
■ ( ) Klammerwert = Gehäuseabmessung. - ■ ( ) value = enclosure dimension.

TWS Maße TWS dimensions

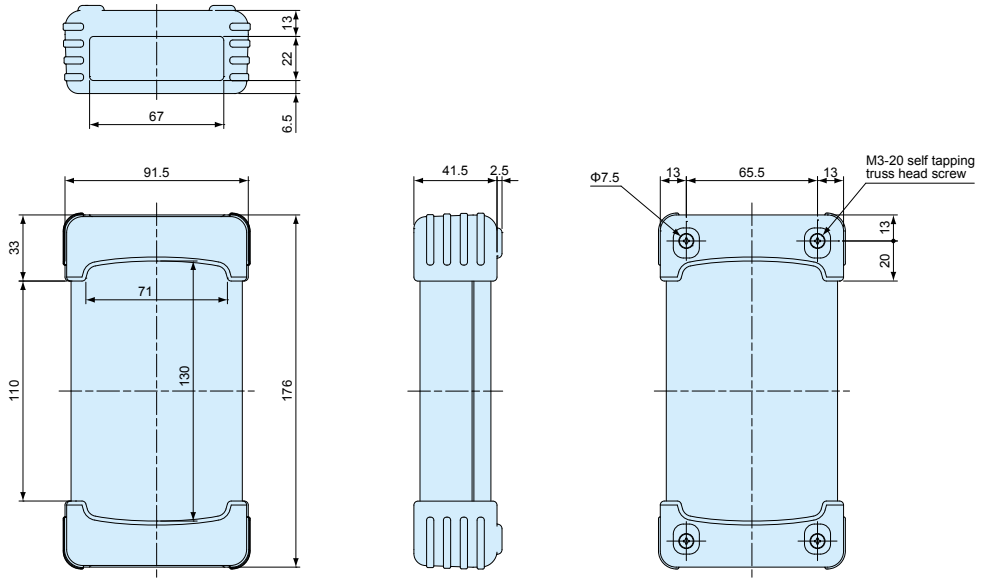
TWS7-3-13



TWS7-5-13

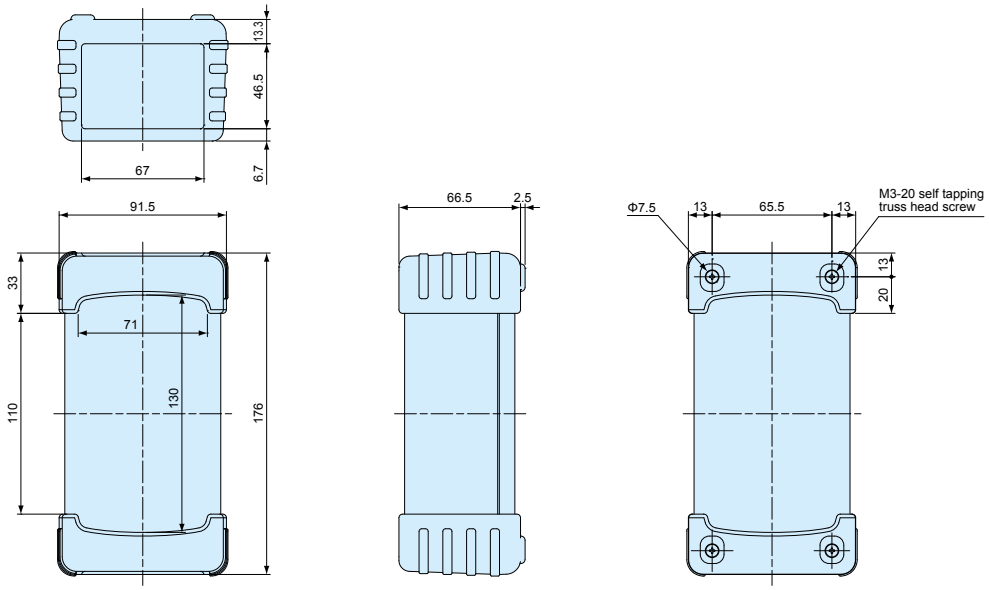


TWS9-4-17

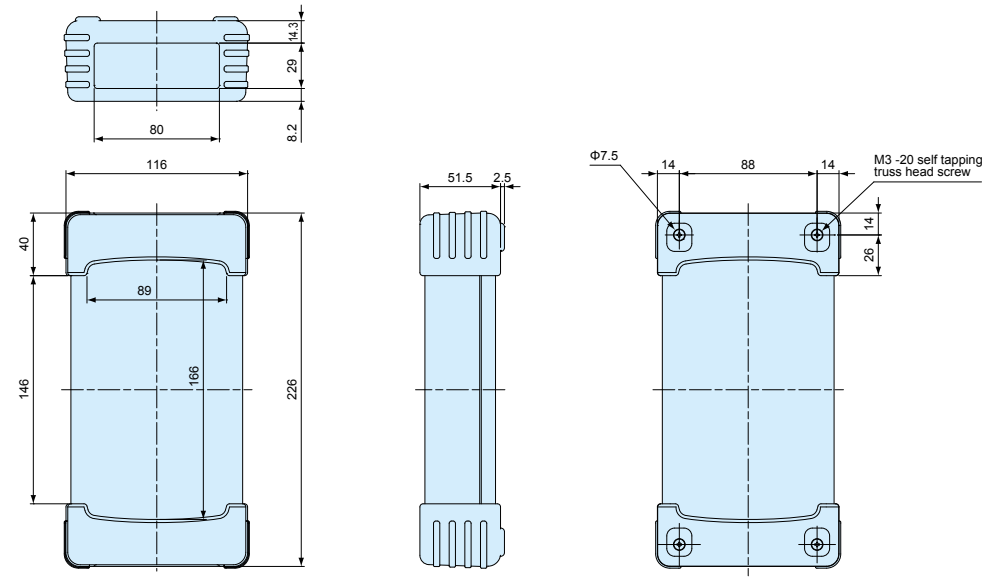


TWS Maße TWS dimensions

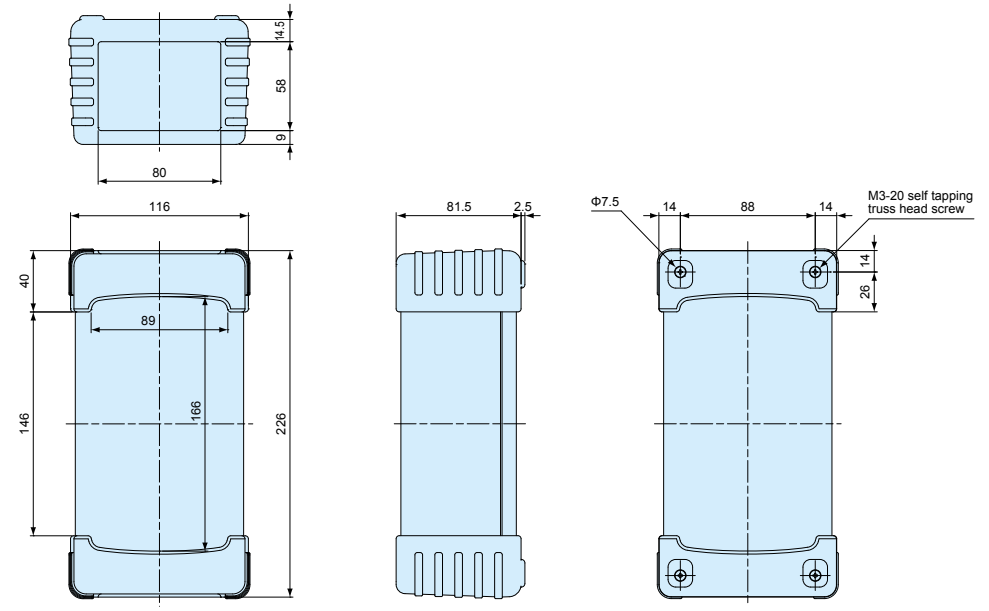
TWS9-6-17



TWS11-5-22

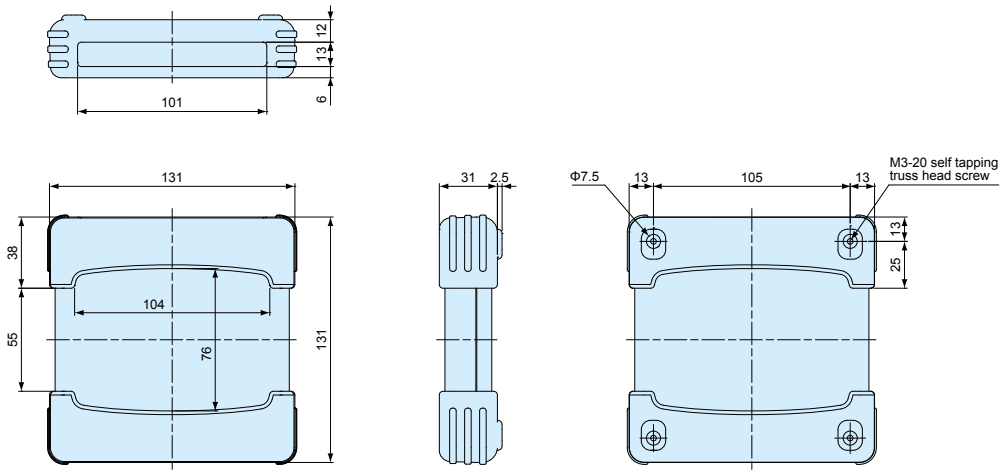


TWS11-8-22

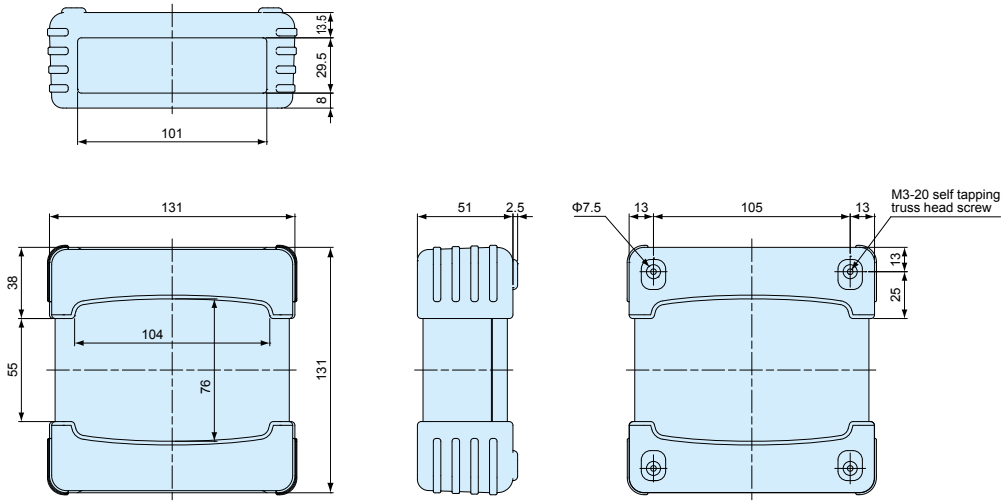


TWS Maße TWS dimensions

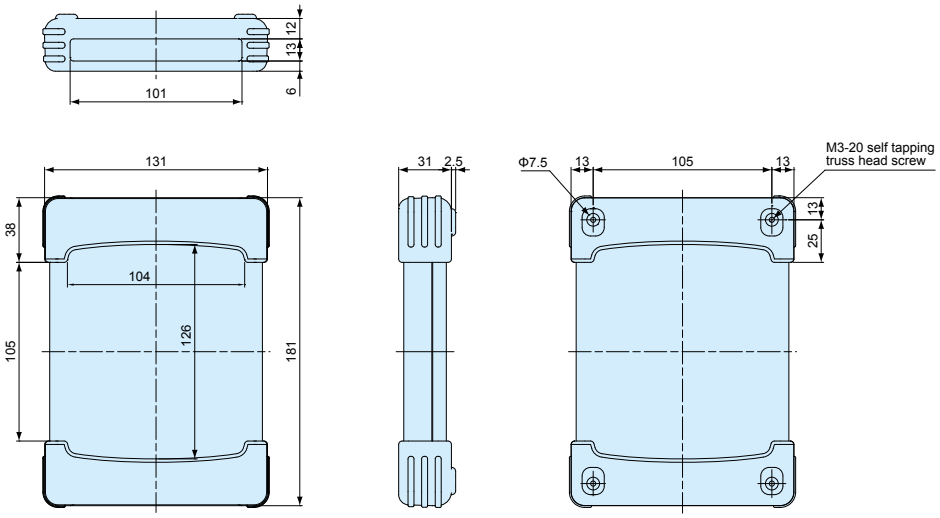
TWS13-3-13



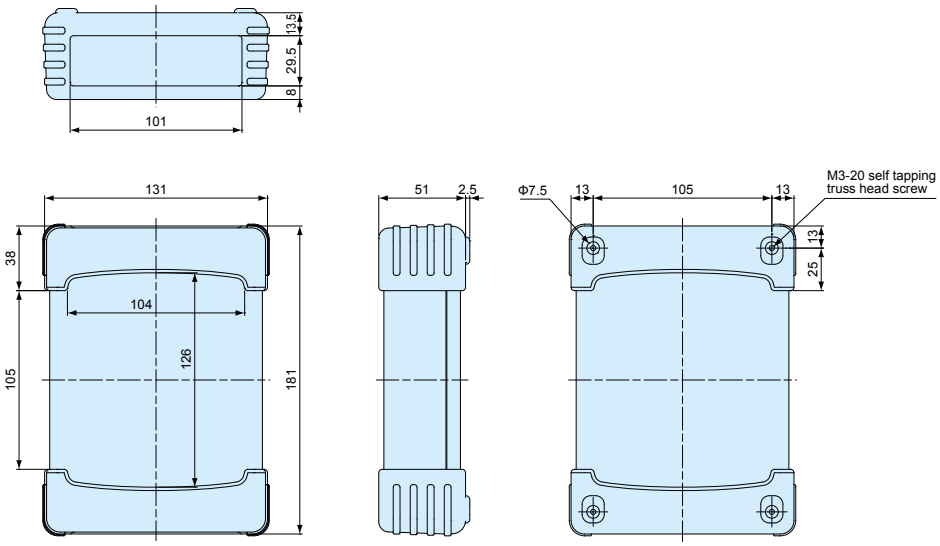
TWS13-5-13



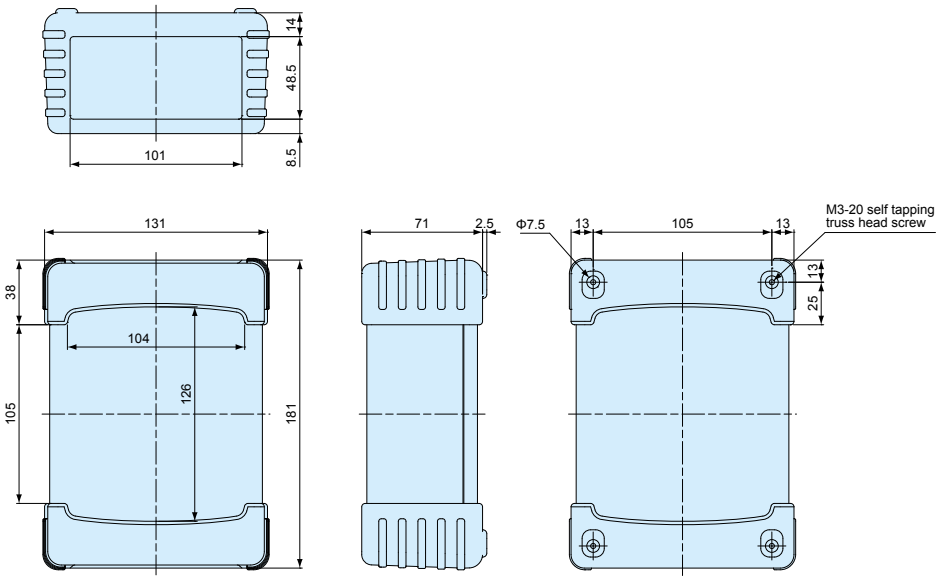
TWS13-3-18



TWS13-5-18

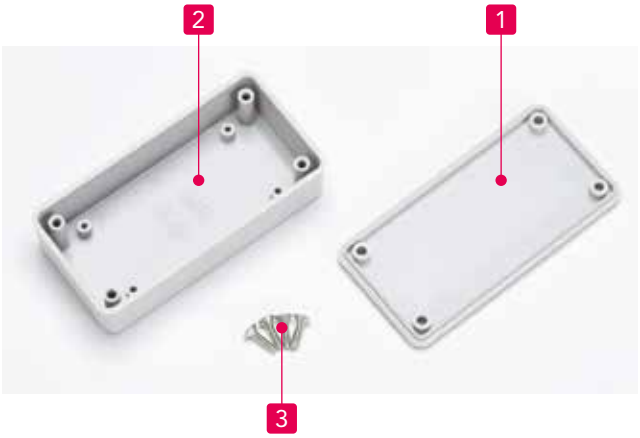


TWS13-7-18



Serie TW•TWN Vielzweck-Kunststoffgehäuse

Series TW•TWN Multi-purpose plastic enclosure



- Univeralkunststoffgehäuse mit Schraubbefestigung.
- In 26 Größen und 3 Farben erhältlich.
- Gut geeigent für Meßinstrumente, Testgeräte, kabellose Kommunikationsgeräte, medizinische Geräte etc.
- Universal plastic enclosure with screw fastening.
- Selectable in 26 sizes in 3 colors ; Light gray, Black and Off-white.
- Suitable for measuring instruments, testing devices, wireless communication devices, medical devices, and so on.

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C

Einzelteile

Nr.	Bezeichnung	Stück	Material / Farbe / Oberfläche
1	Deckel	1	TW : ABS UL94HB / Lichtgrau • Schwarz
			TWN : ABS UL94V-1 • UL94V-0 / Weiß
2	Boden	1	TW : ABS UL94HB / Lichtgrau • Schwarz
			TWN : ABS UL94V-1 • UL94V-0 / Weiß
3	Schraube	2 / 4	TW : Stahl / Stahl verchromt • Schwarz chromatiert
			TWN : Stahl / Vernickelt

Components

No.	Part name	Pcs	Material / Color / Finish
1	Top cover	1	TW : ABS UL94HB / Light gray • Black
			TWN : ABS UL94V-1 • UL94V-0 / Off-white
2	Bottom cover	1	TW : ABS UL94HB / Light gray • Black
			TWN : ABS UL94V-1 • UL94V-0 / Off-white
3	Self tapping screw	2 / 4	TW : Steel / Trivalent chromate • Black trivalent chromate
			TWN : Steel / Nickel plated

Neodymium magnet
NMG series

Zubehör (optional erhältlich) - Accessories (optional parts)

Wandhalterung
Wall suspension bracket
WM series

TORX Schraube
TORX Screw
MR series

PCB Montageschraube
PCB mounting screw
EM series

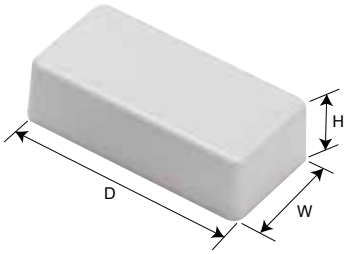
Abstandsbolzen
Tapping standoff
TPS series

Snap-in Batteriefach
Snap-in battery box
LD • LDN series

Farbcode - Color Type

Serie	Code	Deckel	Boden	Schraube
TW	G	Lichtgrau	Lichtgrau	Chromatiert
	B	Schwarz	Schwarz	Schwarz chromatiert
TWN	W	Weiß	Weiß	Vernickelt

Series	Code	Top cover	Bottom cover	Screw
TW	G	Light gray	Light gray	Trivalent chromate
	B	Black	Black	Black trivalent chromate
TWN	W	Off-white	Off-white	Nickel plated



TW series (ABS UL94HB)

Product no. / Dimensions

Best.-Nr. - Product no.		Maße - Dimensions			Schraube Screw	Gewicht (g) Weight (g)
○ Light gray	● Black	W	H	D		
TW 4-2- 5G	TW 4-2- 5B	35	20	50	M2.6-12 × 2 pcs	13.5
TW 4-2- 6G	TW 4-2- 6B	35	20	60	M2.6-12 × 2 pcs	15.5
TW 4-2- 8G	TW 4-2- 8B	40.3	20	80.3	M2.6-12 × 2 pcs	22
TW 5-2- 5G	TW 5-2- 5B	50	15	50	M2.6-12 × 4 pcs	18
TW 5-3- 5G	TW 5-3- 5B	50	25	50	M2.6-12 × 4 pcs	22
TW 5-2- 7G	TW 5-2- 7B	50	15	70	M2.6-12 × 4 pcs	22
TW 5-3- 7G	TW 5-3- 7B	50	27.5	70	M2.6-12 × 4 pcs	29
TW 5-4- 7G	TW 5-4- 7B	50	40	70	M2.6-12 × 4 pcs	35
TW 5-3- 9G	TW 5-3- 9B	45	25	90	M3-12 × 4 pcs	30.5
TW 5-3-10G	TW 5-3-10B	50	30	100	M3-12 × 4 pcs	45.5
TW 7-2-11G	TW 7-2-11B	70	20	105	M2.6-14 × 4 pcs	56.5
TW 7-4-11G	TW 7-4-11B	70	35	105	M2.6-14 × 4 pcs	70
TW 7-5-11G	TW 7-5-11B	70	50	105	M2.6-14 × 4 pcs	83
TW 7-3-13G	TW 7-3-13B	65	25.6	130	M3-16 × 4 pcs	76
TW 7-5-13G	TW 7-5-13B	65	50.1	130	M3-16 × 4 pcs	100
TW 8-2- 8G	TW 8-2- 8B	80	20	80	M2.6-12 × 4 pcs	49
TW 8-4- 8G	TW 8-4- 8B	80	40	80	M2.6-12 × 4 pcs	65
TW 9-4-17G	TW 9-4-17B	85.5	35.5	170	M3-16 × 4 pcs	133
TW 9-6-17G	TW 9-6-17B	85.5	60.5	170	M3-16 × 4 pcs	168
TW11-5-22G	TW11-5-22B	110	45.3	220	M3-16 × 4 pcs	223
TW11-8-22G	TW11-8-22B	110	75.3	220	M3-16 × 4 pcs	277
TW13-3-13G	TW13-3-13B	125	25	125	M3-16 × 4 pcs	135
TW13-5-13G	TW13-5-13B	125	45	125	M3-16 × 4 pcs	165.5
TW13-3-18G	TW13-3-18B	125	25	175	M3-16 × 4 pcs	184.5
TW13-5-18G	TW13-5-18B	125	45	175	M3-16 × 4 pcs	218
TW13-7-18G	TW13-7-18B	125	65	175	M3-16 × 4 pcs	254

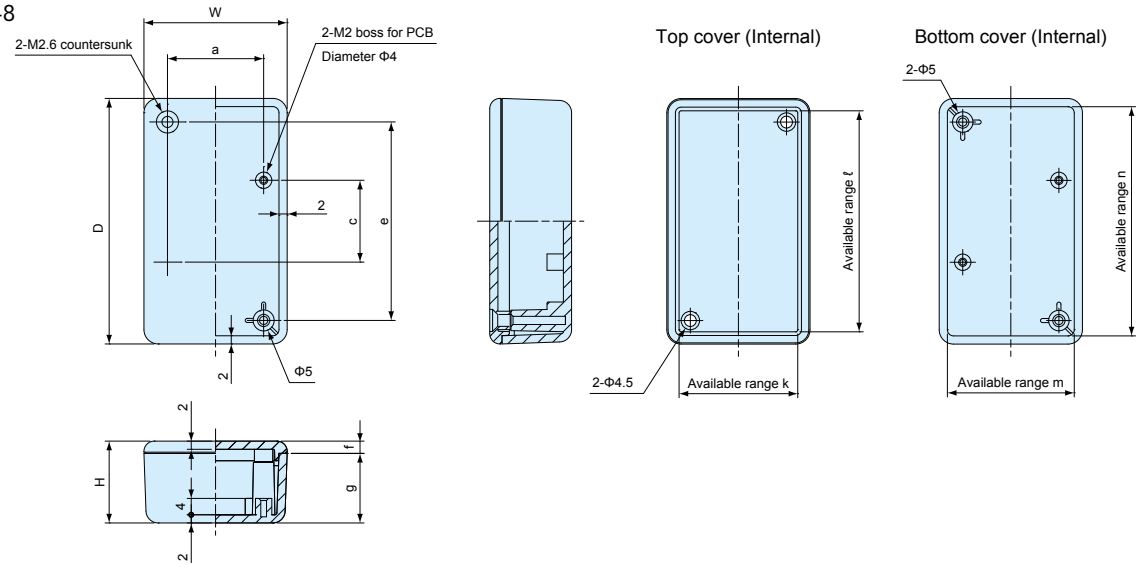
TWN series (ABS UL94V-1 • UL94V-0)

Best.-Nr. /Maße - Product no. / Dimensions

Best.-Nr. - Product no.	W	H	D	Schraube - Screw	UL class	Gew. - Weight (g)
TWN 4-2- 5W	35	20	50	M2.6-12× 2 pcs	UL94V-1	16.5
TWN 4-2- 6W	35	20	60	M2.6-12× 2 pcs	UL94V-1	18
TWN 4-2- 8W	40.3	20	80.3	M2.6-12× 2 pcs	UL94V-1	26
TWN 5-2- 7W	50	15	70	M2.6-12× 4 pcs	UL94V-1	24.5
TWN 5-3- 7W	50	27.5	70	M2.6-12× 4 pcs	UL94V-1	33
TWN 5-4- 7W	50	40	70	M2.6-12× 4 pcs	UL94V-1	39.5
TWN 5-3- 9W	45	25	90	M3-16 × 4 pcs	UL94V-1	35
TWN 7-2-11W	70	20	105	M2.6-14× 4 pcs	UL94V-0	64.5
TWN 7-4-11W	70	35	105	M2.6-14× 4 pcs	UL94V-0	80
TWN 7-5-11W	70	50	105	M2.6-14× 4 pcs	UL94V-0	94.5
TWN 7-3-13W	65	25.6	130	M3-16 × 4 pcs	UL94V-0	85
TWN 7-5-13W	65	50.1	130	M3-16 × 4 pcs	UL94V-0	115.5
TWN 8-2- 8W	80	20	80	M2.6-12× 4 pcs	UL94V-0	55.5
TWN 8-4- 8W	80	40	80	M2.6-12× 4 pcs	UL94V-0	75
TWN 9-4-17W	85.5	35.5	170	M3-16 × 4 pcs	UL94V-0	151
TWN 9-6-17W	85.5	60.5	170	M3-16 × 4 pcs	UL94V-0	191
TWN11-5-22W	110	45.3	220	M3-16 × 4 pcs	UL94V-0	254
TWN11-8-22W	110	75.3	220	M3-16 × 4 pcs	UL94V-0	316
TWN13-3-13W	125	25	125	M3-16 × 4 pcs	UL94V-0	156.5
TWN13-5-13W	125	45	125	M3-16 × 4 pcs	UL94V-0	190
TWN13-3-18W	125	25	175	M3-16 × 4 pcs	UL94V-0	206.5
TWN13-5-18W	125	45	175	M3-16 × 4 pcs	UL94V-0	249
TWN13-7-18W	125	65	175	M3-16 × 4 pcs	UL94V-0	290.5

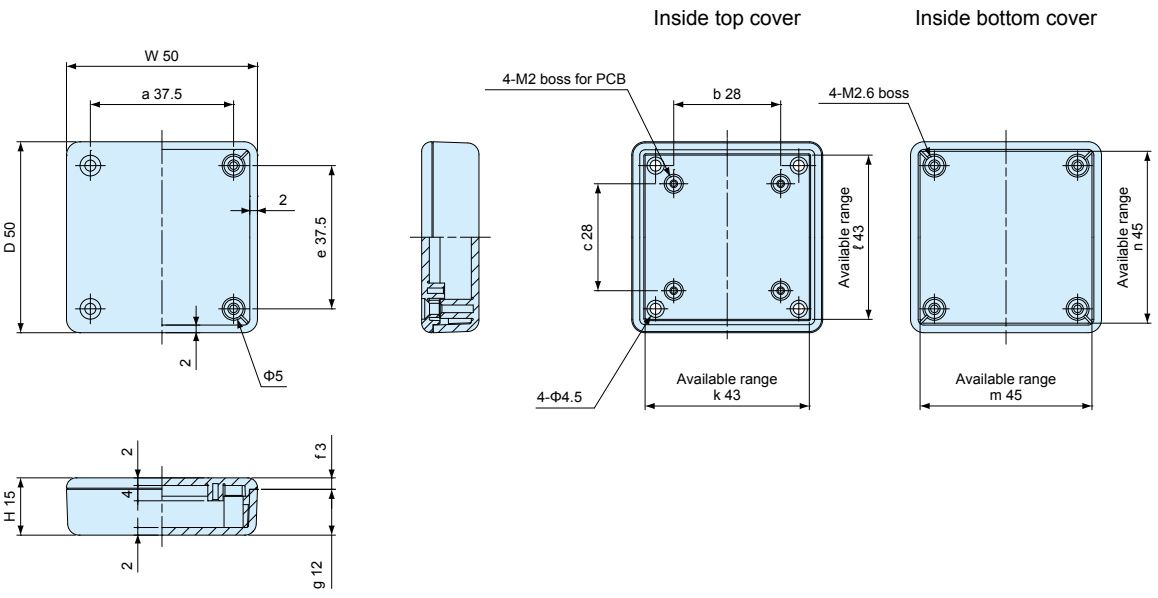
TW / TWN Maße TW / TWN dimensions

TW / TWN4-2-5
TW / TWN4-2-6
TW / TWN4-2-8



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN4-2-5□	35	20	50	23.5	–	20	38.5	3	17	–	–	28.5	43.5	29.5	44.5
TW / TWN4-2-6□	35	20	60	23.5	–	20	48.5	3	17	–	–	28.5	53.5	29.5	54.5
TW / TWN4-2-8□	40.3	20	80.3	28.5	–	40	68.5	3	17	–	–	33.5	73.5	34.5	74.5

TW5-2-5

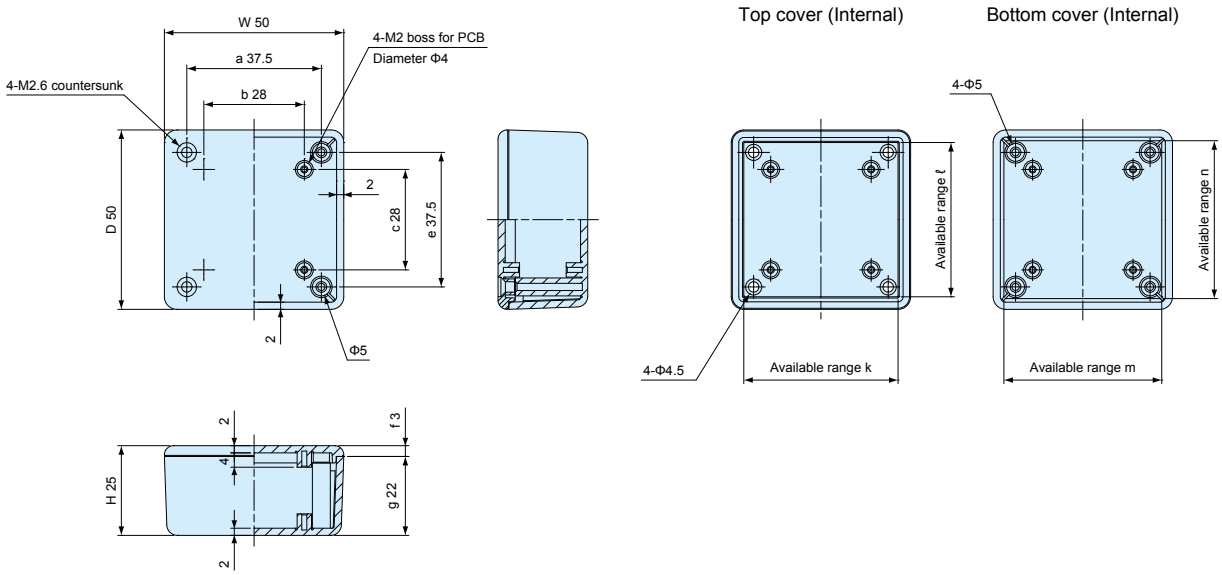


Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW5-2-5□	50	15	50	37.5	28	28	37.5	3	12	–	–	43	43	45	45

TW / TWN Maße

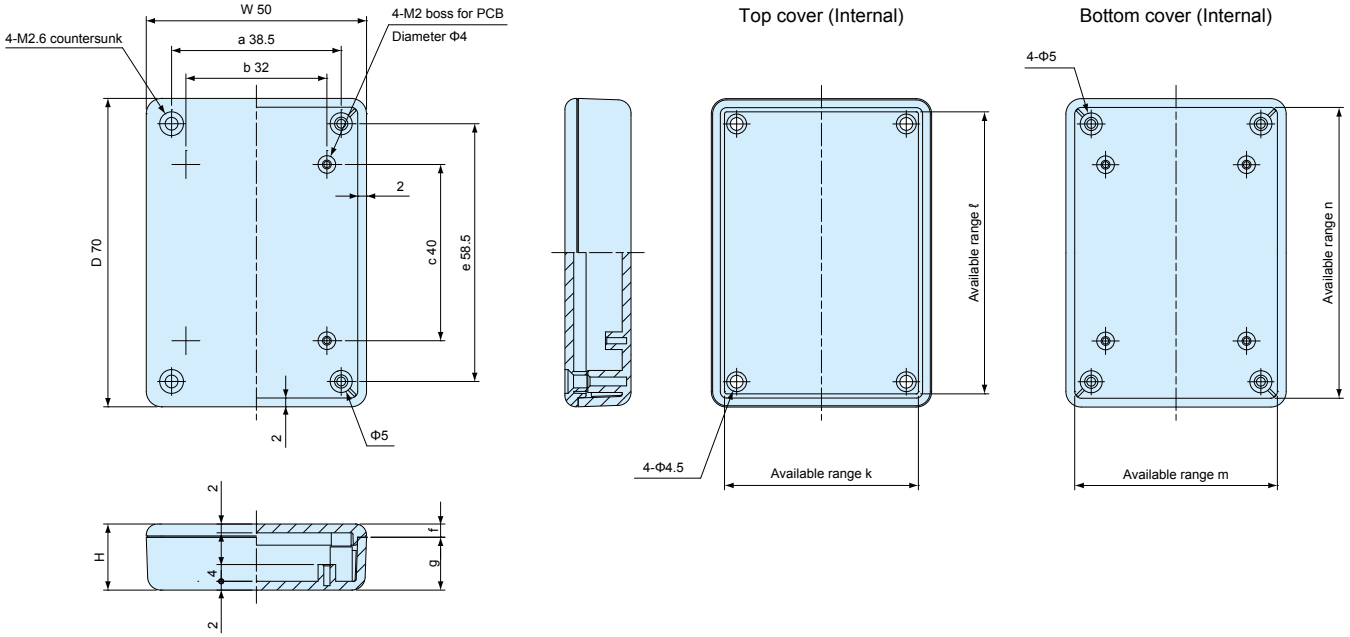
TW / TWN dimensions

TW5-3-5



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW5-3-5□	50	25	50	37.5	28	28	37.5	3	22	–	–	43	43	44.5	44.5

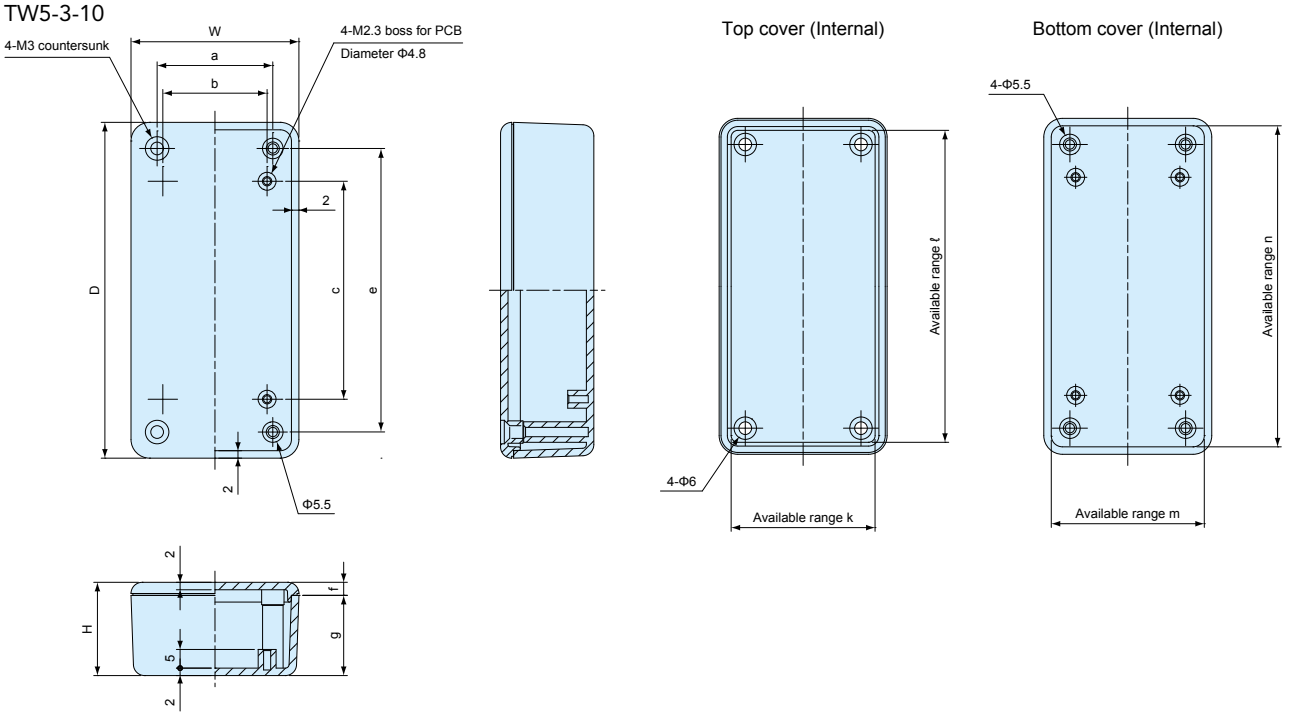
TW / TWN5-2-7
TW / TWN5-3-7
TW / TWN5-4-7



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN5-2-7□	50	15	70	38.5	32	40	58.5	3	12	–	–	43.5	63.5	44.5	64.5
TW / TWN5-3-7□	50	27.5	70	38.5	32	40	58.5	3	24.5	–	–	43.5	63.5	44	64
TW / TWN5-4-7□	50	40	70	38.5	32	40	58.5	3	37	–	–	43.5	63.5	43	63

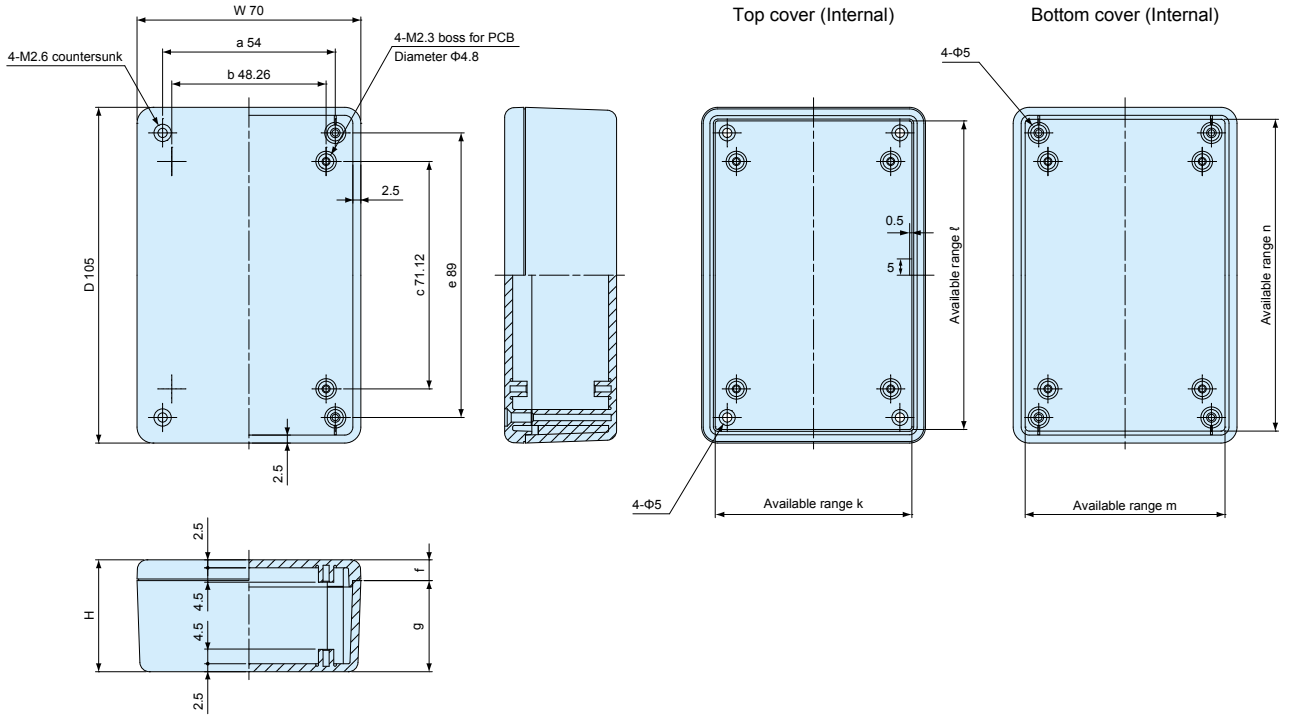
TW / TWN Maße — TW / TWN dimensions

TW / TWN5-3-9
TW5-3-10



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN5-3-9□	45	25	90	31	27.94	58.42	76	3.5	21.5	–	–	38.5	83.5	39	84
TW5-3-10□	50	30	100	36	22.86	73.66	86	3.5	26.5	–	–	43	93	44	94

TW / TWN7-2-11
TW / TWN7-4-11
TW / TWN7-5-11

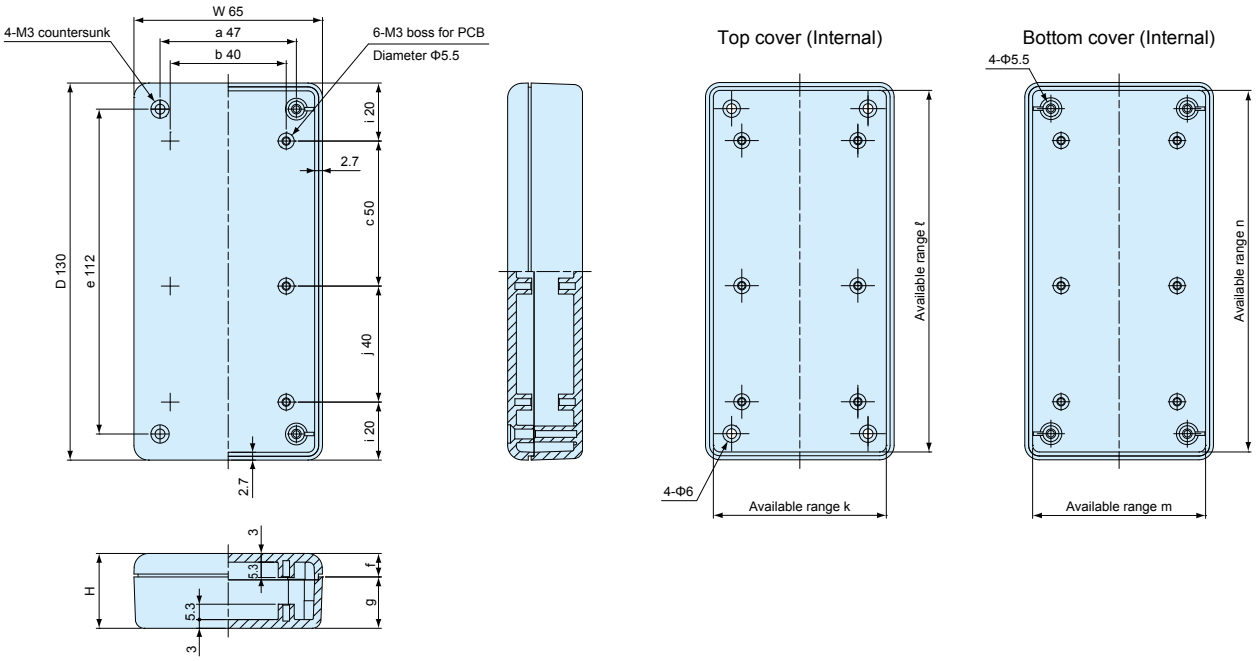


Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN7-2-11□	70	20	105	54	48.26	71.12	89	6.5	13.5	–	–	61.5	96.5	63.5	98.5
TW / TWN7-4-11□	70	35	105	54	48.26	71.12	89	6.5	28.5	–	–	61.5	96.5	62.5	97.5
TW / TWN7-5-11□	70	50	105	54	48.26	71.12	89	6.5	43.5	–	–	61.5	96.5	61.5	96.5

TW / TWN Maße

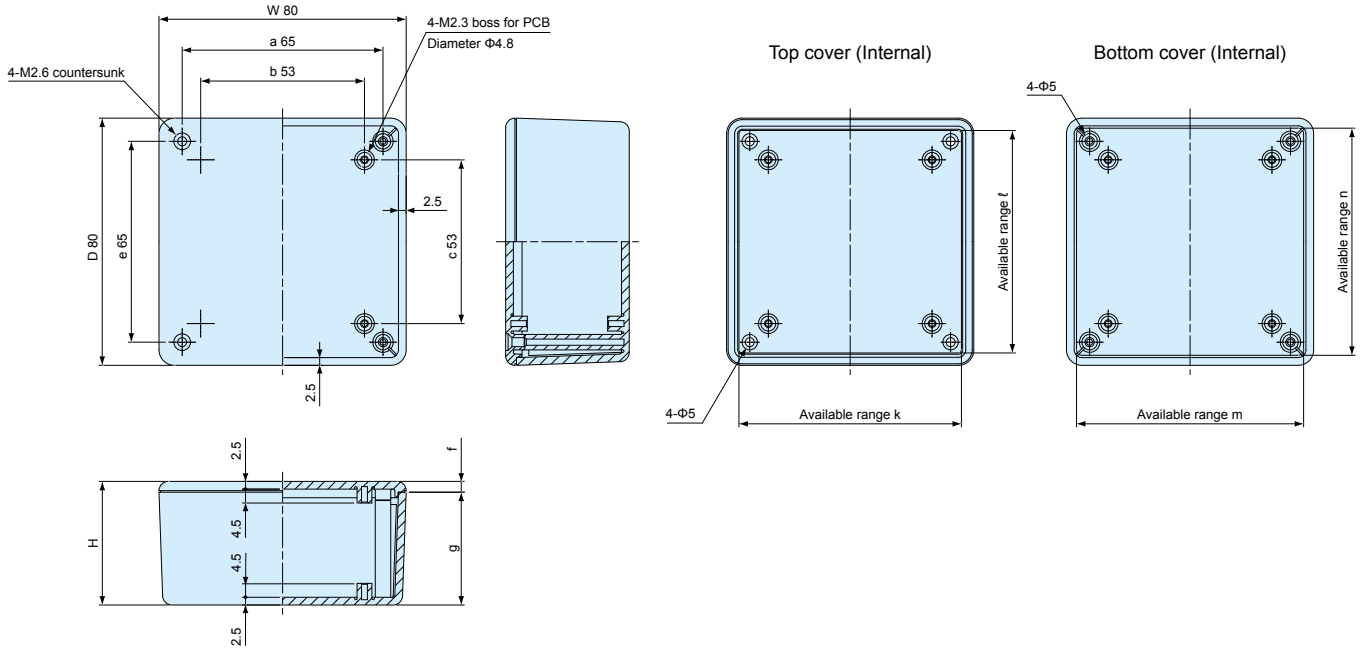
TW / TWN dimensions

TW / TWN7-3-13 / TWS7-3-13
TW / TWN7-5-13 / TWS7-5-13



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN7-3-13□	65	25.6	130	47	40	50	112	8.1	17.5	20	40	57	122	58	123
TW / TWN7-5-13□	65	50.1	130	47	40	50	112	8.1	42	20	40	57	122	56.5	121.5

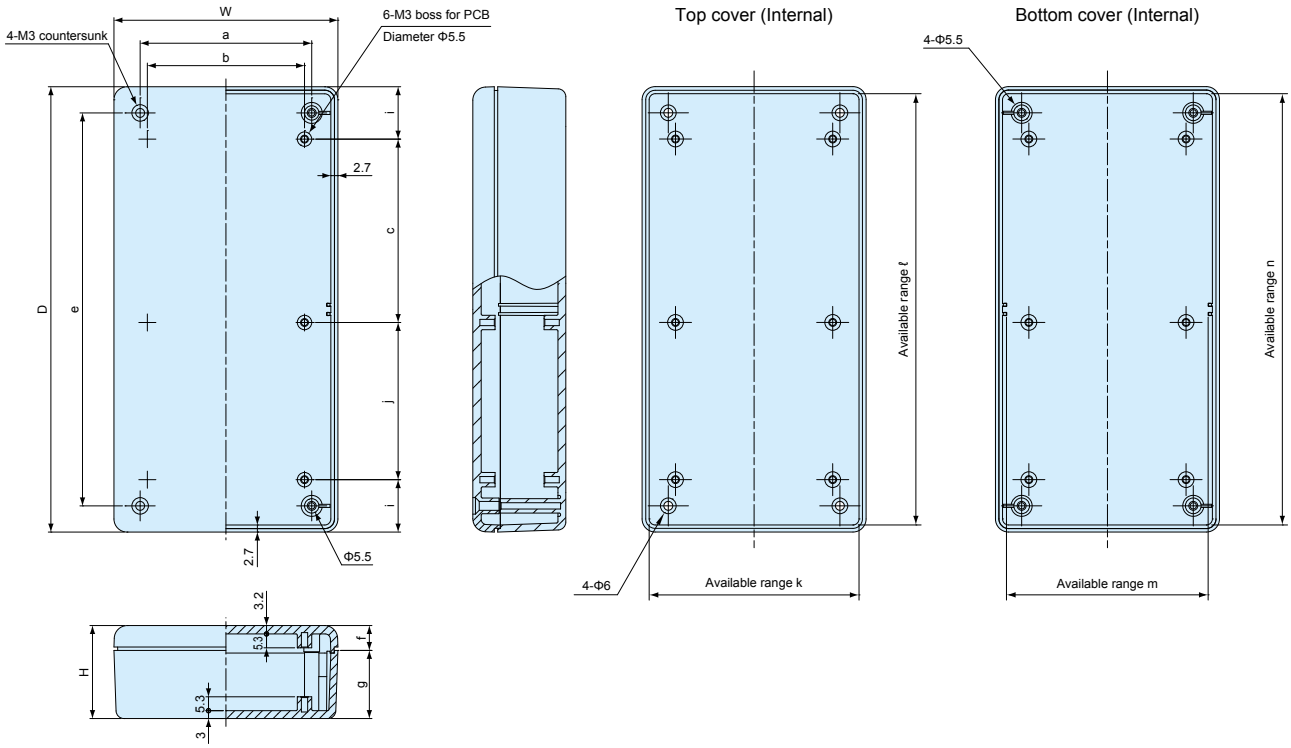
TW / TWN8-2-8
TW / TWN8-4-8



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN8-2-8□	80	20	80	65	53	53	65	3.5	16.5	–	–	72	72	73.5	73.5
TW / TWN8-4-8□	80	40	80	65	53	53	65	3.5	36.5	–	–	72	72	72	72

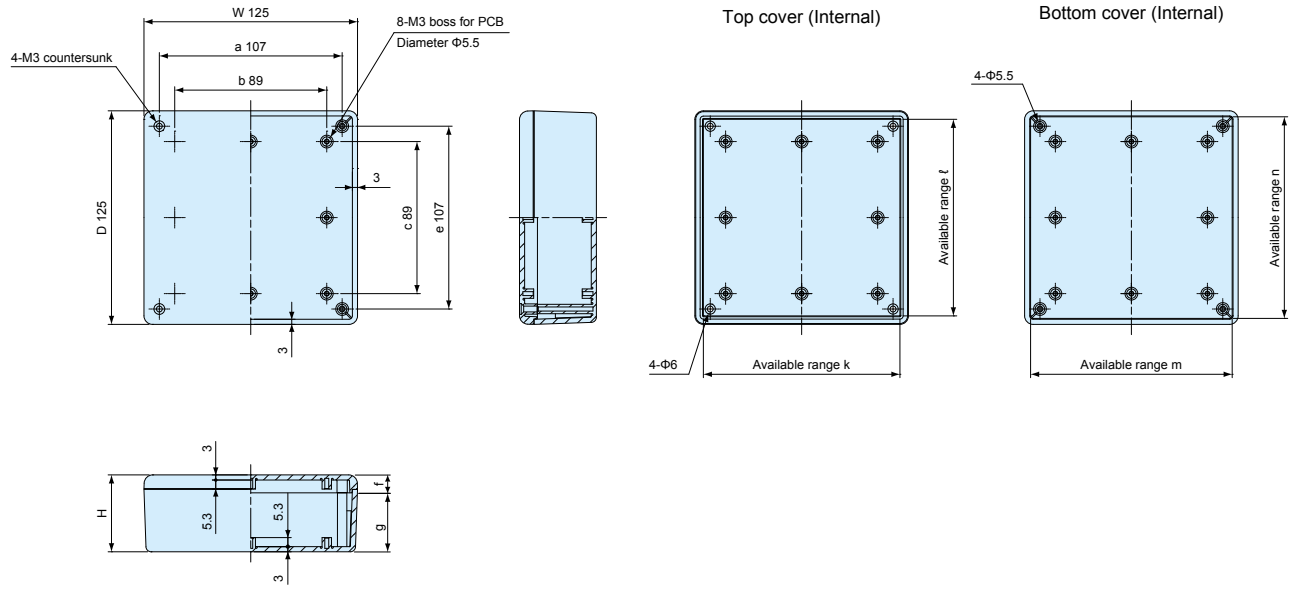
TW / TWN Maße — TW / TWN dimensions

TW / TWN 9-4-17 / TWS 9-4-17
TW / TWN 9-6-17 / TWS 9-6-17
TW / TWN11-5-22 / TWS11-5-22
TW / TWN11-8-22 / TWS11-8-22



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN 9-4-17□	85.5	35.5	170	65.5	60	70	150	9.5	26	20	60	77.5	162	76.5	162.5
TW / TWN 9-6-17□	85.5	60.5	170	65.5	60	70	150	9.5	51	20	60	77.5	162	76.5	161
TW / TWN11-5-22□	110	45.3	220	88	50	120	198	10.3	35	20	60	102	212	101	211.5
TW / TWN11-8-22□	110	75.3	220	88	50	120	198	10.3	65	20	60	102	212	100	210

TW / TWN13-3-13 / TWS13-3-13
TW / TWN13-5-13 / TWS13-5-13

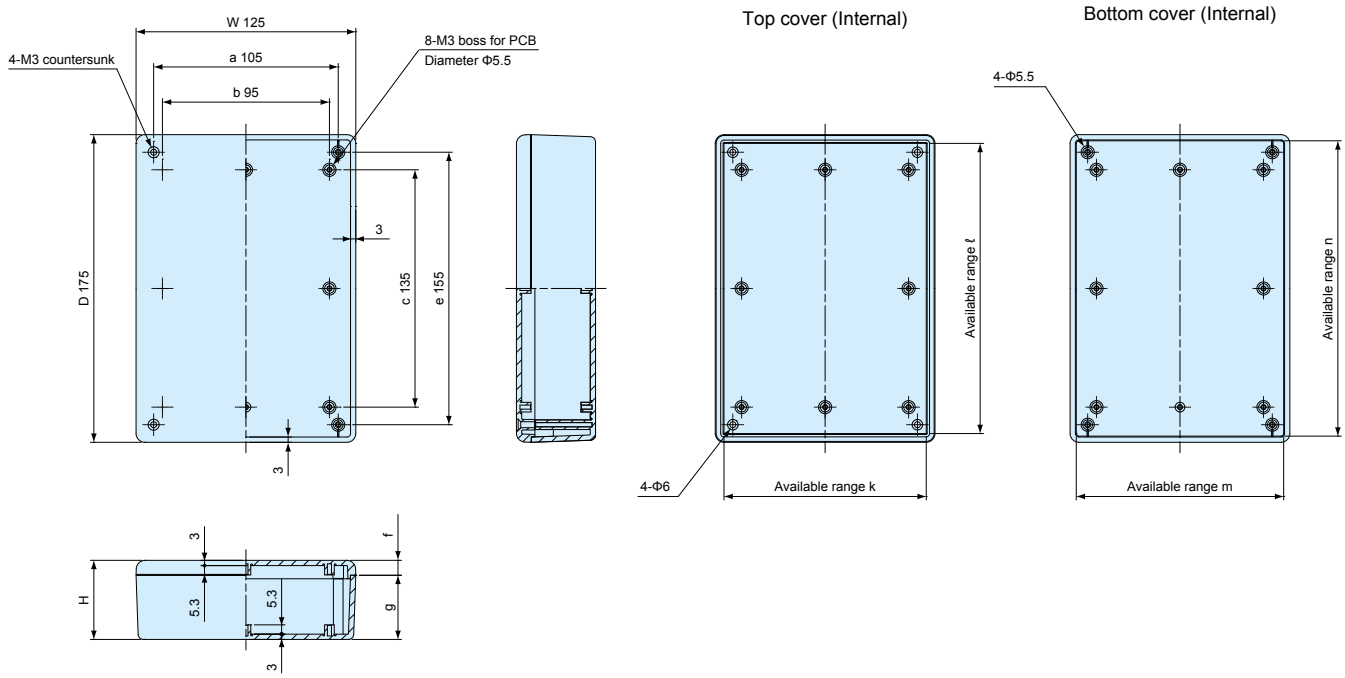


Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN13-3-13□	125	25	125	107	89	89	107	8.5	16.5	–	–	115	115	118	118
TW / TWN13-5-13□	125	45	125	107	89	89	107	8.5	36.5	–	–	115	115	116.5	116.5

TW / TWN Maße

TW / TWN dimensions

TW / TWN13-3-18 / TWS13-3-18
TW / TWN13-5-18 / TWS13-5-18
TW / TWN13-7-18 / TWS13-7-18



Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN13-3-18☐	125	25	175	105	95	135	155	8.5	16.5	–	–	115	165	117.5	167.5
TW / TWN13-5-18☐	125	45	175	105	95	135	155	8.5	36.5	–	–	115	165	116.5	166.5
TW / TWN13-7-18☐	125	65	175	105	95	135	155	8.5	56.5	–	–	115	165	115	165

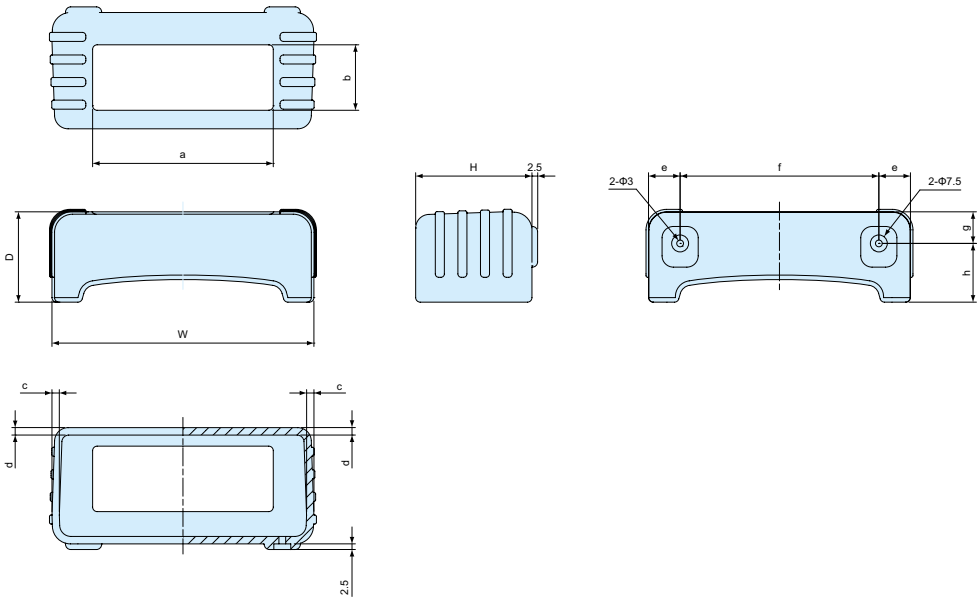
Serie TWSC Silikonschutz für TW•TWN

Series TWSC Silicone protector for TW•TWN

Farbcode - Color Type

Code	P Pink P Pink	Y Gelb Y Yellow	G Grün G Green	N Navy N Navy	L Lichtgrau L Light gray	B Schwarz B Black
Farbe - Color						

- Silikonprotektor für Serie TW • TWN. Verfügbar in 6 Farben.
- Bitte wählen Sie eine Größe basierend aus der nachstehenden Tabelle. Lieferumfang: 2 Stück pro Satz.
- Kundenspezifische Farben ab 500 Satz möglich. Spezifizieren Sie den PANTONE® Farbcode oder übergeben Sie uns ein Farbmuster.
- Silicone Protector for TW • TWN series. Selectable in 6 colors.
- Please select a model based on the suitable plastic case as listed below. The silicone protector is a set of 2 pcs.
- Custom color is available from 500 pairs per order. Please specify the PANTONE® color number or provide your sample color.



Einzelteile

Bezeichnung	Stück	Material	Farbe / Oberfläche
Silikonschutz	1 Satz (2 Stück)	Silikon	Pink • Gelb • Grün • Navy • Lichtgrau • Schwarz
Schraube	4	Stahl M3-20	Schwarz chromatiert

Components

Part name	Pcs	Material	Color / Finish
Silicone protector	1 set (2 pcs)	Silicone	Pink • Yellow • Green • Navy • Light gray • Black
Self tapping screw	4	Steel M3-20	Black trivalent chromate

Best.-Nr. / Maße
Product no. / Dimensions

- Bitte ergänzen Sie den Farbcode am Ende der Bestellnr.
- Please suffix color code at the end of the product number.

Best.-Nr. Product no.	W	H	D	a	b	c	d	e	f	g	h	Gehäuse Suitable case	Gewicht (g) Weight (g)
TWSC 7-3☐	71	32	27	52	13.5	3.2	3.3	12	47	12	15	TW / TWN 7-3-13	41
TWSC 7-5☐	71	56	27	52	37.5	3.15	3.1	12	47	12	15	TW / TWN 7-5-13	47.5
TWSC 9-4☐	91.5	41.5	33	67	22	3.1	3.15	13	65.5	13	20	TW / TWN 9-4-17	60
TWSC 9-6☐	91.5	66.5	33	67	46.5	3.2	3.3	13	65.5	13	20	TW / TWN 9-6-17	75
TWSC11-5☐	116	51.5	40	80	29	3.25	3.3	14	88	14	26	TW / TWN11-5-22	102.5
TWSC11-8☐	116	81.5	40	80	58	3.2	3.3	14	88	14	26	TW / TWN11-8-22	122
TWSC13-3☐	131	31	38	101	13	3.15	3.2	13	105	13	25	TW / TWN13-3-13 TW / TWN13-3-18	87
TWSC13-5☐	131	51	38	101	29.5	3.3	3.3	13	105	13	25	TW / TWN13-5-13 TW / TWN13-5-18	104
TWSC13-7☐	131	71	38	101	48.5	3.3	3.3	13	105	13	25	TW / TWN13-7-18	117

Notizen / Notice

SW • SW-N • SW-T
Snap-in Kunststoffgehäuse

SW • SW-N • SW-T
Compact snap-in plastic case

Technische Daten
Schutzklasse: IP40 Temperaturbereich: SW•SW-N: -10°C ~ +60°C SW-T: -10°C ~ +100°C

Technical Data
Protection class: IP40 Operating temperature: SW•SW-N: -10°C ~ +60°C SW-T: -10°C ~ +100°C

- Keine Schrauben erforderlich. Snap-in Deckel.
- Mehrzweckgehäuse.
- Viel Platz im Inneren.
- Passende Leiterplatten verfügbar.
- 3 verschiedene Materialtypen.
  (standard, hitzebeständig, feuerbeständig).
- No screws required; simple snap on / off cover.
- General purpose compact type case.
- Ample interior space.
- Exclusive PCB is available.
- 3 different material types (standard, flame-resistant, and heat-resistant) are available.

Einzelteile - Components

No.	Bezeichnung - Part name	Material / Farbe - Material / Color
1	Grundplatte - Base	SW : ABS UL94HB / Lichtgrau • Schwarz - Light gray • Black
		SW-N : ABS UL94V-1 : UL94V-0 / Grau - Gray
		SW-T : ABS flame-resistant / Schwarz - Black
2	Deckel - Cover	SW : ABS UL94HB / Lichtgrau • Schwarz - Light gray • Black
		SW-N : ABS UL94V-1 : UL94V-0 / Grau - Gray
		SW-T : ABS flame-resistant / Schwarz - Black

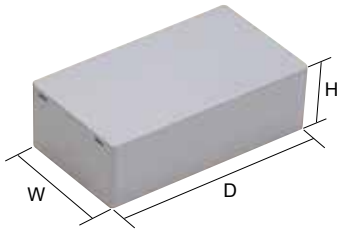
Zubehör (optional erhältlich) - Accessories (optional parts)

Abstandsbolzen zum Kleben
Adhesive standoff
T-600, 700, ASR

Neodymium magnet
NMG series

SW • SW-N • SW-T
Snap-in Kunststoffgehäuse

SW • SW-N • SW-T
Compact snap-in plastic case



Farbcode

Serie	Code	Farbe
SW	S	Lichtgrau
	B	Schwarz
SW-N	G	Grau
SW-T	B	Schwarz

Color Type

Series	Code	Color
SW	S	Light gray
	B	Black
SW-N	G	Gray
SW-T	B	Black

SW standard (ABS UL94HB)

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.		Maße - Dimensions			Gewicht (g) Weight (g)
○ Light gray	● Black	W	H	D	
SW- 15S	SW- 15B	10	10	15	1
SW- 20S	SW- 20B	15	15	20	2
SW- 30S	SW- 30B	20	18	30	4
SW- 40S	SW- 40B	30	20	40	10
SW- 50S	SW- 50B	35	25	50	14
SW- 53S	SW- 53B	36	11	53	10
SW- 55S	SW- 55B	40	20	55	17
SW- 60S	SW- 60B	18	17	60	9
SW- 65S	SW- 65B	45	25	65	21
SW- 75S	SW- 75B	50	30	75	32
SW- 85S	SW- 85B	60	40	85	43
SW- 90S	SW- 90B	25	21	90	17
SW- 95S	SW- 95B	58	18	95	34
SW-100S	SW-100B	65	35	100	55
SW-120S	SW-120B	60	24	120	50
SW-125S	SW-125B	70	40	125	77
SW-130S	SW-130B	40	25	130	43

SW-N flame-resistant (ABS UL94V-1 : UL94V-0)

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.	W	H	D	UL class	Gewicht - Weight (g)
SW-N 20G	15	15	20	UL94V-1	3
SW-N 30G	20	18	30	UL94V-1	5
SW-N 40G	30	20	40	UL94V-0	11
SW-N 50G	35	25	50	UL94V-0	17
SW-N 55G	40	20	55	UL94V-0	19
SW-N 65G	45	25	65	UL94V-0	23
SW-N 75G	50	30	75	UL94V-0	35
SW-N 85G	60	40	85	UL94V-0	50
SW-N 95G	58	18	95	UL94V-0	37
SW-N100G	65	35	100	UL94V-0	60
SW-N120G	60	24	120	UL94V-0	56
SW-N125G	70	40	125	UL94V-0	85
SW-N130G	40	25	130	UL94V-0	48

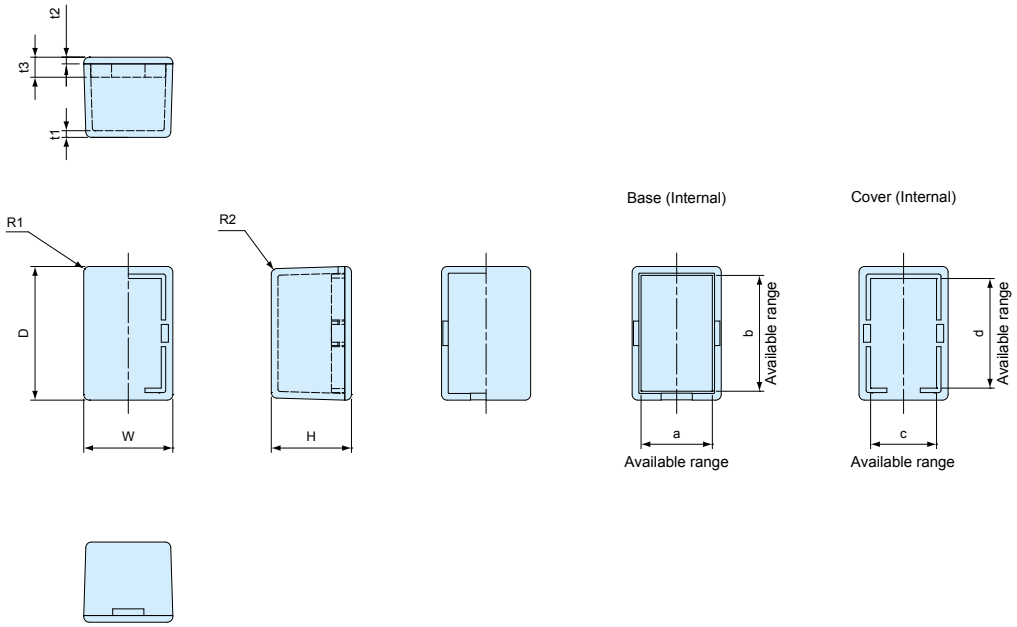
SW-T heat-resistant (ABS heat distortion temperature 100°C)

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.	W	H	D	Gewicht - Weight (g)
SW-T 20B	15	15	20	2
SW-T 40B	30	20	40	9
SW-T 55B	40	20	55	16
SW-T 75B	50	30	75	30
SW-T 95B	58	18	95	31
SW-T100B	65	35	100	50

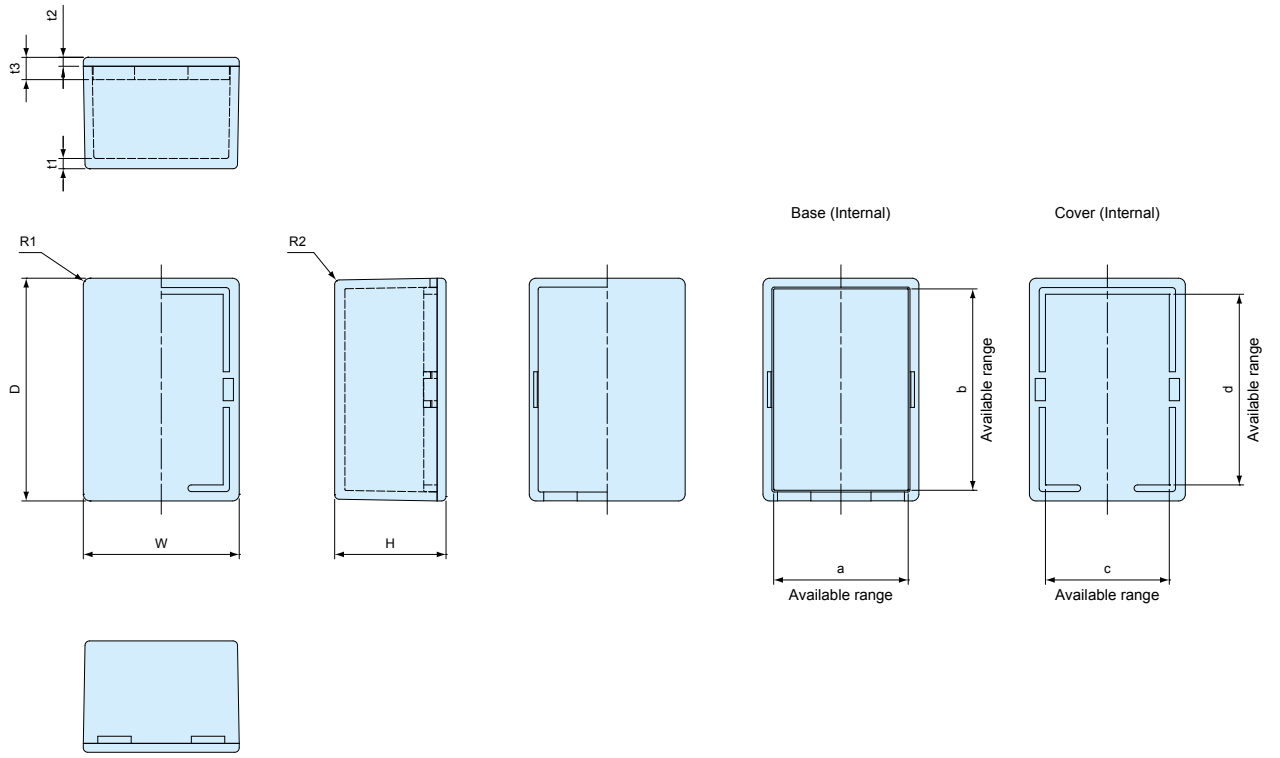
SW • SW-N • SW-T Maße SW • SW-N • SW-T dimensions

SW-15 • SW-20 • SW-30
SW-N20 • SW-N30
SW-T20



Best.-Nr. - Product no.	W	H	D	a	b	c	d	t1	t2	t3	R1	R2
SW-15	10	10	15	7.2	12.2	5.4	10.6	1.1	1.1	3.6	1	1
SW-20 • SW-N20 • SW-T20	15	15	20	11.6	16.6	10	14.8	1.5	1.5	4.5	1.25	1.25
SW-30 • SW-N30	20	18	30	16	26	14.8	24.6	1.5	1.5	4.5	1.25	1.25

SW-40 • SW-50 • SW-53 • SW-55
SW-N40 • SW-N50 • SW-N55
SW-T40 • SW-T55

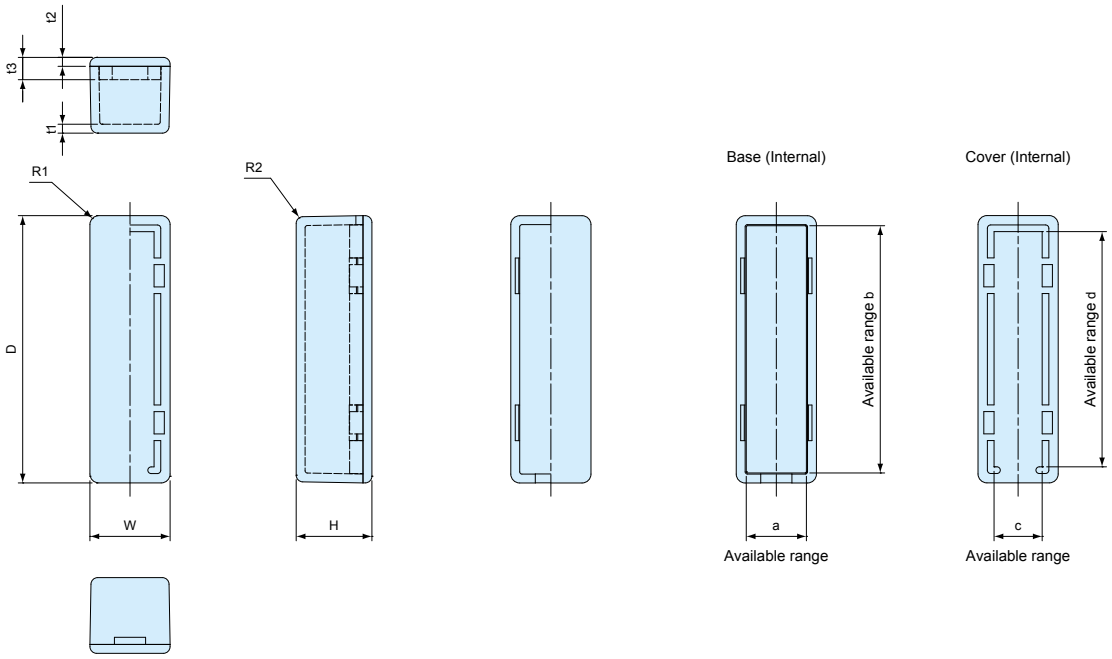


Best.-Nr. - Product no.	W	H	D	a	b	c	d	t1	t2	t3	R1	R2
SW-40 • SW-N40 • SW-T40	30	20	40	26	36	22.8	32.8	1.8	2	5	1.5	1
SW-50 • SW-N50	35	25	50	30.2	45.2	27.8	42.8	2.3	2	5	1.5	1
SW-53	36	11	53	32	49	29.2	46.2	1.8	1.8	4.8	1.5	1.25
SW-55 • SW-N55 • SW-T55	40	20	55	35.5	50.5	32.8	47.8	2	2	5	1.5	0.3

SW • SW-N • SW-T Maße

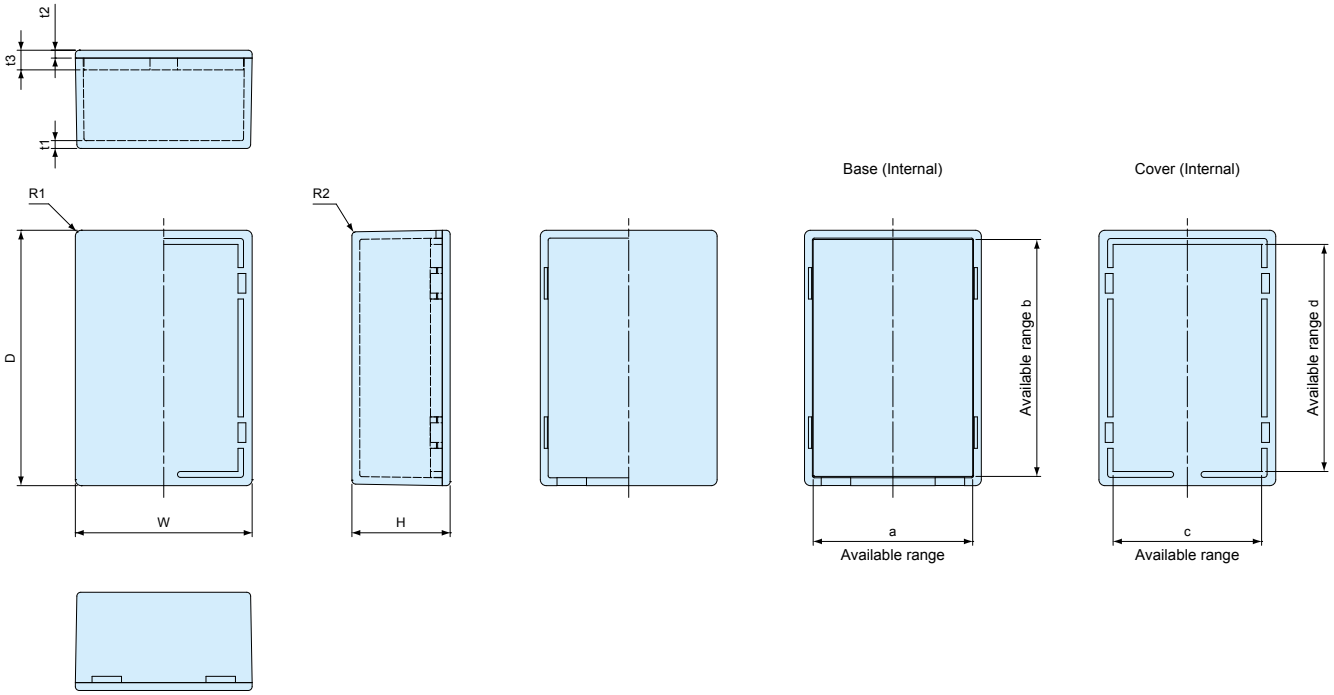
SW • SW-N • SW-T dimensions

SW-60 • SW-90



Best.-Nr. - Product no.	W	H	D	a	b	c	d	t1	t2	t3	R1	R2
SW-60	18	17	60	13.5	55.5	10.8	52.8	2	2	5	2	1.5
SW-90	25	21	91	20.3	85.3	17.8	82.8	2	2	5	2	1.5

SW-65 • SW-75 • SW-85 • SW-95 • SW-100 • SW-120 • SW-125 • SW-130
SW-N65 • SW-N75 • SW-N85 • SW-N95 • SW-N100 • SW-N120 • SW-N125 • SW-N130
SW-T75 • SW-T95 • SW-T100



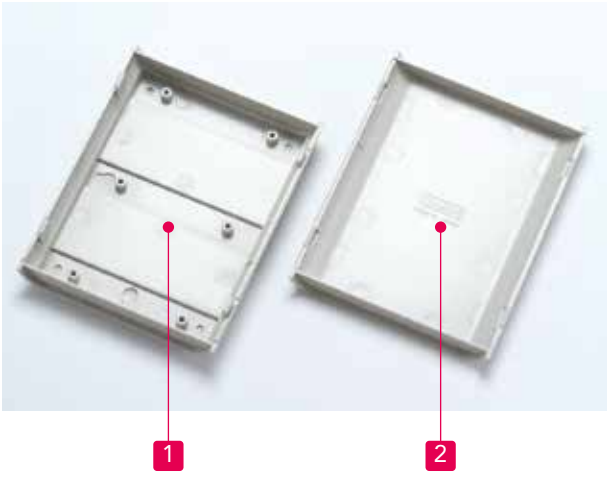
Best.-Nr. - Product no.	W	H	D	a	b	c	d	t1	t2	t3	R1	R2
SW- 65 • SW-N 65	45	25	65	40.6	60.3	37.8	57.8	2	2	5	1.5	1
SW- 75 • SW-N 75 • SW-T 75	50	30	75	45.2	70.5	42.8	67.8	2	2	5	1.75	0.3
SW- 85 • SW-N 85	60	40	85	54.5	79.5	52.8	77.8	2.3	2	5	2	1.5
SW- 95 • SW-N 95 • SW-T 95	58	18	95	53.7	90.7	50.8	87.8	2	2	5	3	1.5
SW-100 • SW-N100 • SW-T100	65	35	100	60.6	95.6	57.8	92.8	2	2.5	5.5	2	1.5
SW-120 • SW-N120	60	24	120	55.7	115.7	52.8	112.8	2	2.5	5.5	2	1.5
SW-125 • SW-N125	70	40	125	65	120	62.8	117.8	2.5	2.5	5.5	3	1.5
SW-130 • SW-N130	40	25	130	35.5	125.5	32.8	122.8	2.5	2.5	5.5	3	1.75

Serie SU
Netzwerk Kunststoffgehäuse

Series SU
Network plastic case

Technische Daten
Schutzklasse: IP40 Temperaturbereich: -10°C ~ +60°C

Technical Data
Protection class: IP40 Operating temperature: -10°C ~ +60°C



- Kunststoffgehäuse aus zwei abgerundeten Halbschalen.
- Geeignet für die Wandmontage.
- Snap on Technik, keine Schrauben erforderlich.

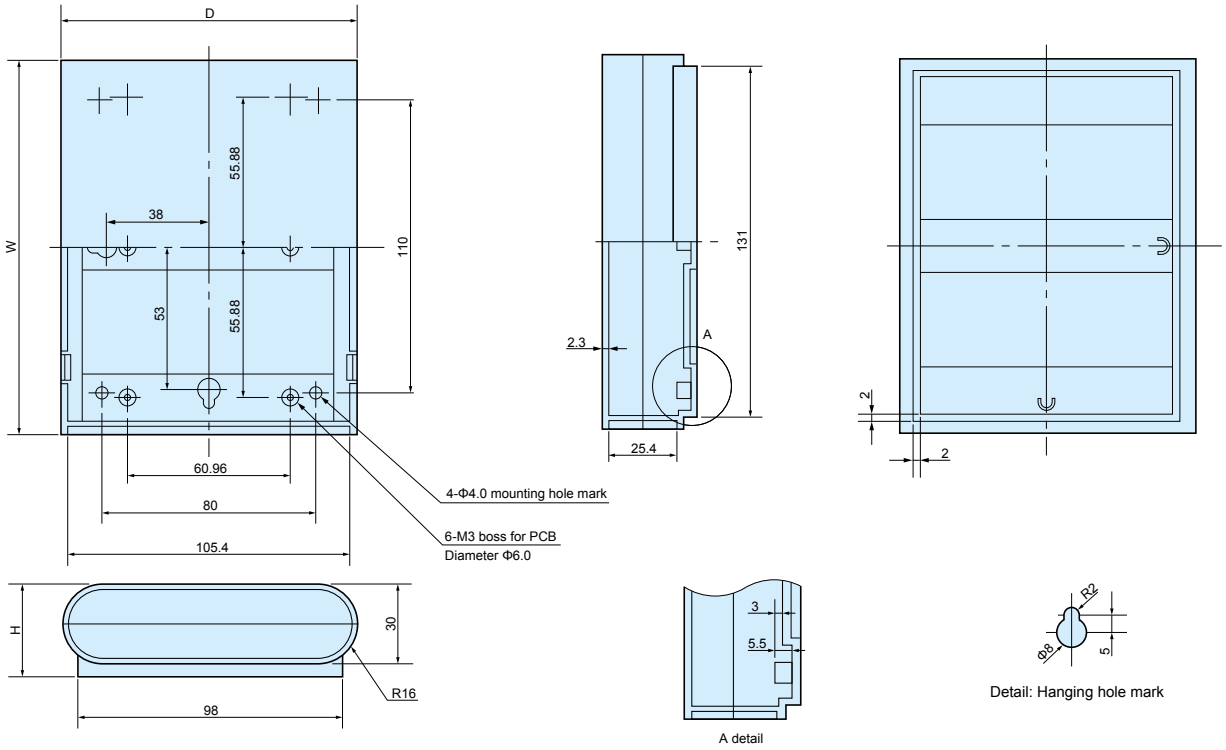
- Rounded shape design.
- Suitable for wall-mount communication device usage.
- Snap on / off cover. No screws are required.

Einzelteile - Components

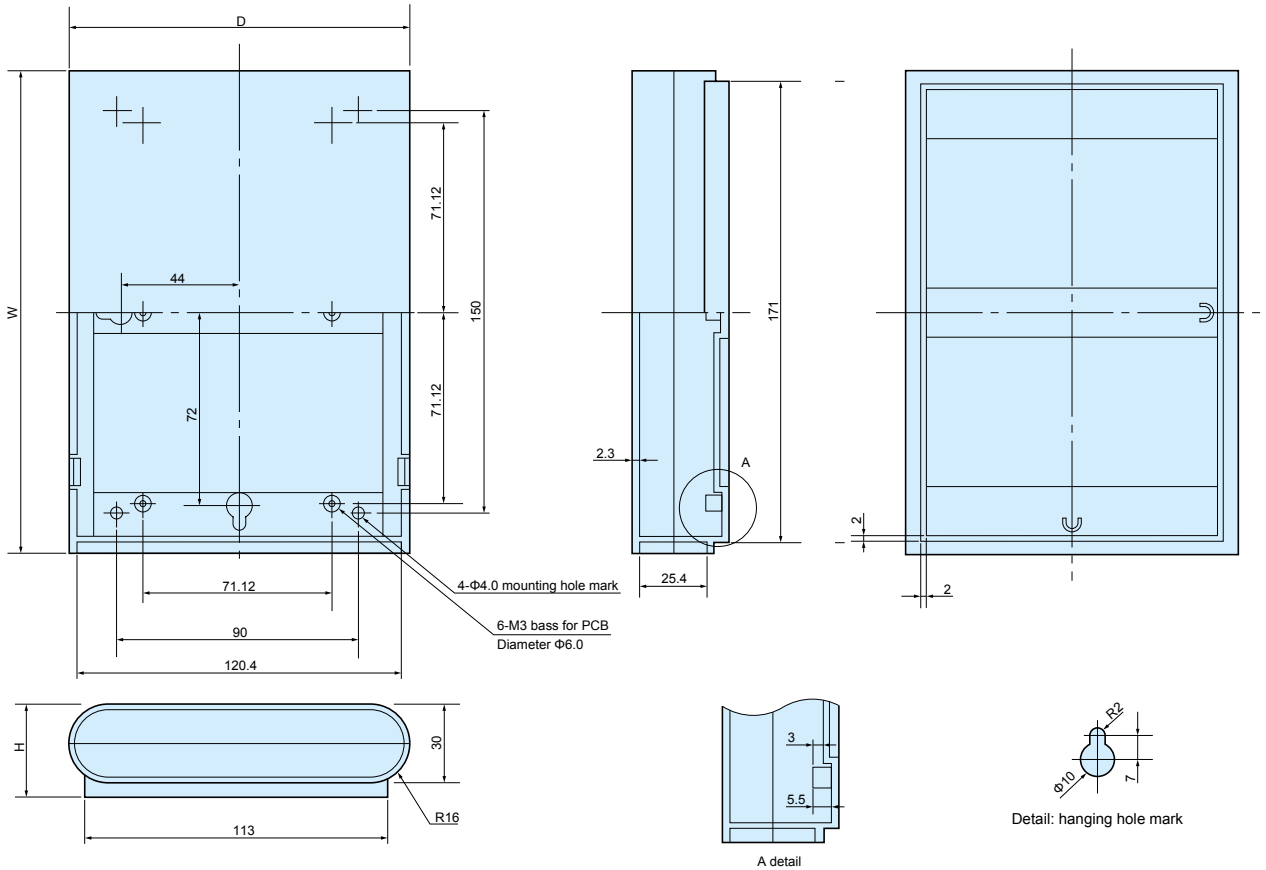
No.	Bezeichnung - Part name	Material	Farbe / Oberfläche - Color / Finish
1	Decke - Cover	ABS UL94HB	Lichtgrau • Dunkelgrau • Weiß - Light gray • Dark gray • White
2	Boden - Base	ABS UL94HB	Lichtgrau • Dunkelgrau • Weiß - Light gray • Dark gray • White

SU Maße SU dimensions

SU-140



SU-180



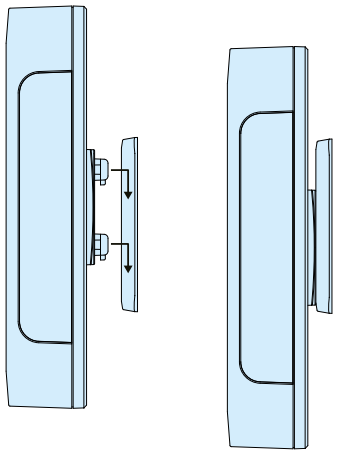
Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.			Maße - Dimensions			Gewicht (g) Weight (g)
Light gray	Dark gray	White	W	H	D	
SU-140G	SU-140C	SU-140W	140	35	110	100
SU-180G	SU-180C	SU-180W	180	35	125	140

Serie WM
Aufhängung für Gehäuse

Series WM
Suspension bracket

Befestigung - How to install



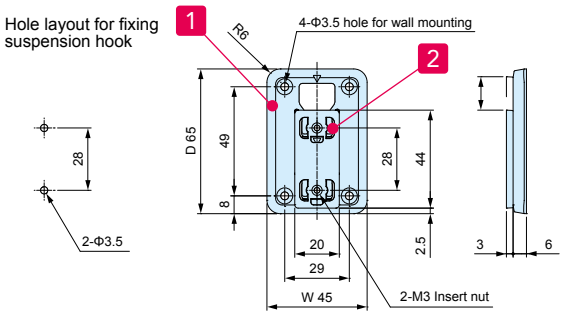
- Kunststoffhalterung für Gehäuse, einfache Montage.
- Zwei verschiedene Größen erhältlich.
- Geeigenet für alle Kunststoffgehäuse mit einer Wanddicke von 0.8 ~ 3.5mm (nicht nur Serie PF).
- Für die Montage der Halterung sind Löcher im Gehäuse erforderlich.
- Maximale statische Tragfähigkeit, siehe Tabelle rechts.
- Bitte beachten Sie die Montageausrichtung bei der Installation der Kunststoffhalterung.

Technische Daten
max. Gewicht : 2 kg - WM-1 5 kg - WM-2

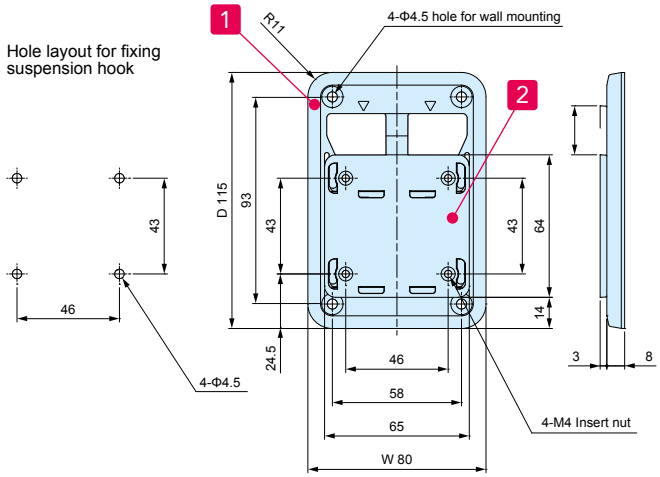
- Plastic wall mounting bracket. Easy attachment and removal.
- Large and small brackets are available.
- Applicable not only for the PF series, also for other enclosures with a panel thickness of 0.8 ~ 3.5mm.
- To attach the suspension hook onto the enclosure, hole milling is required.
- The max load values listed are static load values only. Use caution when handling.
- Please be aware of the insertion direction of the suspension hook against the mounting base when attaching.

Technical Data
Max load : 2 kg - WM-1 5 kg - WM-2

WM-1



WM-2



Einzelteile - Components

No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Aufhängung Basis - Mounting base	1	PC + ABS UL94HB	Weiß • Dunkelgrau - Off-white • Dark gray
2	Aufhängung Gehäuse - Suspension hook	1	PC + ABS UL94HB	Weiß • Dunkelgrau - Off-white • Dark gray
–	Gewindemutter - Insert nut	2 / 4	Mesing - Brass	Unbehandelt - Unfinished
–	Schraube - Screw	2	M3-8 Steel binding = WM-1	Vernickelt - Nickel plated
–	Schraube - Screw	4	M4-8 Steel binding = WM-2	Vernickelt - Nickel plated

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.		Maße - Dimensions		Gehäusedicke Mountable thickness	Gewicht (g) Weight (g)
Off-white	Dark gray	W	D		
WM-1W	WM-1D	45	65	t0.8 ~ t3.5	11.5
WM-2W	WM-2D	80	115	t0.8 ~ t3.5	48

Notizen / Notice

Technische Daten
Schutzklasse : IP65 Temperaturbereich : BCAP -10°C ~ +60°C BCPC -20°C ~ +75°C

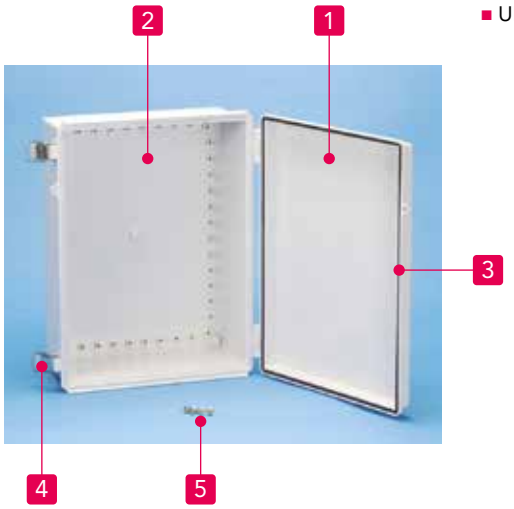
Technical Data
Protection class: IP65 Operating temperature: BCAP -10°C ~ +60°C BCPC -20°C ~ +75°C

Serie BCAP IP65 verriegelbares ABS Gehäuse

Series BCAP IP65 Latch-Hinged ABS Plastic Box

Serie BCPC IP65 verriegelbares Polycarbonat Gehäuse

Series BCPC IP65 Latch-Hinged Polycarbonate Plastic Box



- UL Kennzeichnung nur bei Serie BCPC
- 50 verschiedene Größen verfügbar.
- Serie BCAP besteht aus hellgrauen ABS-Material, mit 2 verschiedenen Deckeltypen (ABS und transparaten Polycarbonat).
- Serie BCPC besteht aus lichtgrauen UL94V-0 hitzeresistenten Polycarbonat.
- Einsetzbar für verschiedene Anwendungen im Feld, wie z. B. Netzwerk, Verteiler, Kommunikationsgeräte etc.

- UL mark is only applicable for BCPC series
- 50 different sizes available.
- BCAP series is made of white gray ABS with 2 different cover types (white gray ABS and transparent polycarbonate) available.
- BCPC series is made of light gray UL94V-0 polycarbonate, which has good heat resistance properties.
- Applicable for various uses in fields such as FA, network communication, power switchbox controls and so on.

Einzelteile Serie BCAP - Components: BCAP series

■ Box UL class = UL94HB

No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Oberschale - Top cover	1	ABS • Polycarbonate	weißgrau • transparent - White gray • Transparent
2	Grundgehäuse - Base	1	ABS	weißgrau - White gray
3	Dichtung - Gasket	1	Polyurethane	schwarz - black
4	Verriegelung - Latch	1 ~ 3	Edelstahl - Stainless steel	unbehandelt - Unfinished
5	Schraube - Screw	2 ~ 8	Stahl - Steel	chromatiert - Trivalent chromate

- Edelstahl Halterungen im Lieferumfang mit folgenden Serien: 506018, 506025, 507018, 507025, 608018, and 608028.
- Stainless steel mounting brackets are included together with the following models: 506018, 506025, 507018, 507025, 608018, and 608028.

Einzelteile Serie BCPC - Components: BCPC series

■ Box UL class = UL94V-0

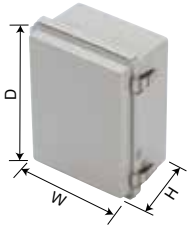
No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Oberschale - Top cover	1	Polycarbonate	lichtgrau - light gray
2	Grundgehäuse - Base	1	Glass fiber filled polycarbonate	lichtgrau - light gray
3	Dichtung - Gasket	1	Polyurethane	schwarz - black
4	Verriegelung - Latch	1 ~ 3	Edelstahl - Stainless steel	unbehandelt - Unfinished
5	Schraube - Screw	2 ~ 8	Stahl - Steel	chromatiert - Trivalent chromate

- Edelstahl Halterungen im Lieferumfang mit folgenden Serien: 506018, 506025, 507018, 507025, 608018, and 608028.
- Stainless steel mounting brackets are included together with the following models: 506018, 506025, 507018, 507025, 608018, and 608028.

Farbcode - Color Type

Color code	Cover color / Material	Base color / Material
BCAP[G]	White gray / ABS	White gray / ABS
BCAP[T]	Transparent / Polycarbonate	White gray / ABS
BCPC[S]	Light gray / Polycarbonate	Light gray / Glass fiber filled polycarbonate

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende. ■ Please suffix color code at the end of the product number.



BCAP Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	D	H	Gewicht - Weight (g)	
				G	T
BCAP091207□	90	120	70	196	204
BCAP091208□	90	120	85	212	221
BCAP101507□	100	150	70	272	281
BCAP101508□	100	150	85	291	300
BCAP112107□	110	210	75	359	378
BCAP112110□	110	210	100	422	420
BCAP112607□	110	260	75	431	446
BCAP112610□	110	260	100.5	484	500
BCAP131508□	135	155	85	356	357
BCAP131808□	135	185	85.5	381	410
BCAP131810□	135	185	100.5	396	402
BCAP151509□	150	150	90	343	353
BCAP151512□	150	150	120.5	411	425
BCAP162110□	160	210	100	468	486
BCAP162113□	160	210	130	517	537
BCAP162610□	160	260	100	577	601
BCAP162613□	160	260	130	673	701
BCAP172211□	170	220	110.5	530	556
BCAP172711□	170	270	110.5	670	680
BCAP192810□	190	280	100.5	722	746
BCAP192814□	190	280	141	877	901
BCAP203013□	200	300	131.5	920	951
BCAP203015□	200	300	151.5	958	984
BCAP203018□	200	300	180.5	1,066	1,084
BCAP212110□	210	210	100	630	656
BCAP212113□	210	210	130	704	726
BCAP253515□	250	350	151	1,261	1,332
BCAP253518□	250	350	181.5	1,397	1,464
BCAP282813□	280	280	130.5	1,167	1,200
BCAP283813□	280	380	130	1,455	1,512
BCAP303015□	300	300	151	1,339	1,418
BCAP303018□	300	300	181	1,495	1,576
BCAP304012□	300	400	121	1,508	1,575
BCAP304015□	300	400	150	1,563	1,675
BCAP304018□	300	400	181	1,719	1,853
BCAP353515□	350	350	150	1,693	1,764
BCAP353518□	350	350	181	1,845	1,906
BCAP354512□	350	450	120	2,068	2,167
BCAP354516□	350	450	160	2,382	2,514
BCAP354520□	350	450	201	2,646	2,794
BCAP405016□	400	500	160	2,660	2,839
BCAP405020□	400	500	201	3,119	3,232
BCAP406018□	400	600	181	3,542	3,652
BCAP406023□	400	600	231	3,870	4,044
BCAP506018□	530	630	185	5,438	5,611
BCAP506025□	530	630	255	6,078	6,273
BCAP507018G	530	730	188	6,241	—
BCAP507025G	530	730	255	6,911	—
BCAP608018G	630	830	188	8,131	—
BCAP608028G	630	830	288	9,570	—

■ BCAP507018, 507025, 608018, 608028 models are only available as G color type.

BCPC Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	D	H	Gewicht (g) Weight (g)
BCPC091207S	90	120	70	226
BCPC091208S	90	120	85	247
BCPC101507S	100	150	70	312
BCPC101508S	100	150	85	336
BCPC112107S	110	210	75	420
BCPC112110S	110	210	100	473
BCPC112607S	110	260	75	493
BCPC112610S	110	260	100.5	569
BCPC131508S	135	155	85	406
BCPC131808S	135	185	85.5	452
BCPC131810S	135	185	100.5	448
BCPC151509S	150	150	90	395
BCPC151512S	150	150	120.5	482
BCPC162110S	160	210	100	556
BCPC162113S	160	210	130	611
BCPC162610S	160	260	100	671
BCPC162613S	160	260	130	779
BCPC172211S	170	220	110.5	649
BCPC172711S	170	270	110.5	775
BCPC192810S	190	280	100.5	858
BCPC192814S	190	280	141	1,028
BCPC203013S	200	300	131.5	1,053
BCPC203015S	200	300	151.5	1,127
BCPC203018S	200	300	180.5	1,258
BCPC212110S	210	210	100	742
BCPC212113S	210	210	130	827
BCPC253515S	250	350	151	1,491
BCPC253518S	250	350	181.5	1,676
BCPC282813S	280	280	130.5	1,371
BCPC283813S	280	380	130	1,695
BCPC303015S	300	300	151	1,610
BCPC303018S	300	300	181	1,760
BCPC304012S	300	400	121	1,846
BCPC304015S	300	400	150	1,862
BCPC304018S	300	400	181	2,030
BCPC353515S	350	350	150	2,045
BCPC353518S	350	350	181	2,142
BCPC354512S	350	450	120	2,397
BCPC354516S	350	450	160	2,826
BCPC354520S	350	450	201	3,151
BCPC405016S	400	500	160	3,188
BCPC405020S	400	500	201	3,811
BCPC406018S	400	600	181	4,153
BCPC406023S	400	600	231	4,637
BCPC506018S	530	630	185	6,305
BCPC506025S	530	630	255	7,213
BCPC507018S	530	730	188	7,410
BCPC507025S	530	730	255	8,200
BCPC608018S	630	830	188	9,820
BCPC608028S	630	830	288	11,550

Zubehör (optional erhältlich - Accessories (optional parts)

Montageplatte Serie BMP
Mounting plate BMP series

Wandhalterungen Serie CK• BFL
Mounting bracket CK • BFL series

Masthalterung Serie SSK
Pole mounting bracket SSK series

Kabeldurchführung
Cable gland

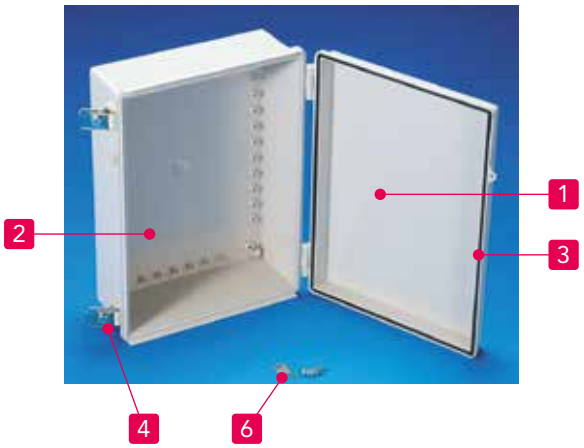
Belüftungsoptionen
Ventilation part

Technische Daten
Schutzklasse : IP65 Temperaturbereich : -20°C ~ +75°C

Technical Data
Protection class : IP65 Operating temperature : -20°C ~ +75°C

Serie BCPK IP65 Polycarbonat Gehäuse mit Schloss

Series BCPK IP65 Polycarbonate Plastic Box with Lock



※Schlosstyp variiert gemäß Gehäusegröße.
※Lock types vary according to box size.

Gehäusegröße - Box size
BCPK091207 ~ 172711
BCPK212110 and 212113

Gehäusegröße - Box size
BCPK192810 ~ 203018
BCPK253515 and 608028

- Abschließbares Gehäuse geeignet gegen Manipulation für Anwendungen im Bereich Netzwerk, Kommunikation.
- BCPK Polycarbonat Gehäuse ist resistent gegen Hitze und Flammen.
- Transparentes Gehäuse ist nicht verfügbar für die Modelle BCPK507018, 507025, 608018, und 608028.

- Lockable enclosure best used for tamper prevention in FA, control box and network communication fields.
- BCPK polycarbonate box is resistant against heat and flames.
- Transparent type is not available for BCPK507018, 507025, 608018, and 608028 models.

Einzelteile

■ Box UL class = UL94V-0

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Oberschale	1	Polycarbonat	lichtgrau • transparent
2	Grundgehäuse	1	Polycarbonat mit Fieberglasanteilen	lichtgrau
3	Dichtung	1	Polyurethane	schwarz
4	Verriegelung	1 ~ 3	Edelstahl	unbehandelt
5	Schraube	2 ~ 8	Stahl	chromatiert
6	Schlüssel	1 ~ 2	Druckguss • Messing	chromatiert • vernickelt

■ Edelstahl Montagewinkel sind Bestandteil in folgenden Serien: 506018, 506025, 507018, 507025, 608018, and 608028.
■ Anzahl der Schlüssel variiert mit der Anzahl der Schlösser.

Components

■ Box UL class = UL94V-0

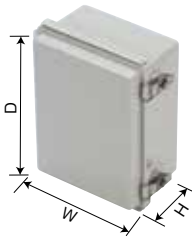
No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	Polycarbonate	Light gray • Transparent
2	Base	1	Glass fiber filled polycarbonate	Light gray
3	Gasket	1	Polyurethane	Black
4	Latch	1 ~ 3	Stainless steel	Unfinished
5	Screw	2 ~ 8	Steel	Trivalent chromate
6	Key	1 ~ 2	Diecast zinc • Brass	Chrome plated • Nickel plated

■ Stainless steel mounting brackets are included together with the following models: 506018, 506025, 507018, 507025, 608018, and 608028.
■ Quantity of keys provided vary by the number of locks present.

Farbcode - Color Type

Color code	Cover color / Material	Base color / Material
BCPK S	Light gray / Polycarbonate	Light gray / Glass fiber filled polycarbonate
NEW BCPK T	Transparent / Polycarbonate	Light gray / Glass fiber filled polycarbonate

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende. ■ Please suffix color code at the end of the product number.



Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. - Product no.	W	D	H	Gewicht - Weight (g)	
				S	T
BCPK091207☐	90	120	70	242	237
BCPK091208☐	90	120	85	264	261
BCPK101507☐	100	150	70	339	337
BCPK101508☐	100	150	85	360	355
BCPK112107☐	110	210	75	437	444
BCPK112110☐	110	210	100	501	509
BCPK112607☐	110	260	75	520	528
BCPK112610☐	110	260	100.5	585	594
BCPK131508☐	135	155	85	430	421
BCPK131808☐	135	185	85.5	474	475
BCPK131810☐	135	185	100.5	471	478
BCPK151509☐	150	150	90	419	422
BCPK151512☐	150	150	120.5	507	508
BCPK162110☐	160	210	100	563	572
BCPK162113☐	160	210	130	630	639
BCPK162610☐	160	260	100	728	738
BCPK162613☐	160	260	130	805	825
BCPK172211☐	170	220	110.5	664	681
BCPK172711☐	170	270	110.5	771	794
BCPK192810☐	190	280	100.5	875	900
BCPK192814☐	190	280	141	1,065	1,094
BCPK203013☐	200	300	131.5	1,090	1,119
BCPK203015☐	200	300	151.5	1,182	1,214
BCPK203018☐	200	300	180.5	1,295	1,330
BCPK212110☐	210	210	100	743	756
BCPK212113☐	210	210	130	822	847
BCPK253515☐	250	350	151	1,559	1,606
BCPK253518☐	250	350	181.5	1,670	1,720
BCPK282813☐	280	280	130.5	1,391	1,433
BCPK283813☐	280	380	130	1,811	1,733
BCPK303015☐	300	300	151	1,670	1,682
BCPK303018☐	300	300	181	1,782	1,795
BCPK304012☐	300	400	121	1,858	1,872
BCPK304015☐	300	400	150	1,912	1,926
BCPK304018☐	300	400	181	2,083	2,098
BCPK353515☐	350	350	150	2,067	1,999
BCPK353518☐	350	350	181	2,175	2,163
BCPK354512☐	350	450	120	2,442	2,429
BCPK354516☐	350	450	160	2,863	2,848
BCPK354520☐	350	450	201	3,156	3,140
BCPK405016☐	400	500	160	3,149	3,152
BCPK405020☐	400	500	201	3,725	3,729
BCPK406018☐	400	600	181	4,159	4,164
BCPK406023☐	400	600	231	4,639	4,645
BCPK506018☐	530	630	185	5,339	6,151
BCPK506025☐	530	630	255	7,136	8,220
BCPK507018S	530	730	188	7,470	–
BCPK507025S	530	730	255	8,260	–
BCPK608018S	630	830	188	9,880	–
BCPK608028S	630	830	288	11,610	–

■ Serien BCPK507018, 507025, 608018, 608028 nur in Farbvariante S verfügbar.

■ BCPK507018, 507025, 608018, 608028 models are only available as S color type.

Zubehör (optional erhältlich - Accessories (optional parts)

Staubschutzkappe Serie BCC
Dust protection cap BCC series

Montageplatte Serie BMP
Mounting plate BMP series

Wandhalterungen Serie CK• BFL
Mounting bracket CK • BFL series

Kabeldurchführung
Cable gland

Belüftungsoptionen
Ventilation part

IP65

Technische Daten

Schutzklasse : IP65
Temperaturbereich :
BCAR -10°C ~ +60°C
BCPR -20°C ~ +75°C

Technical Data

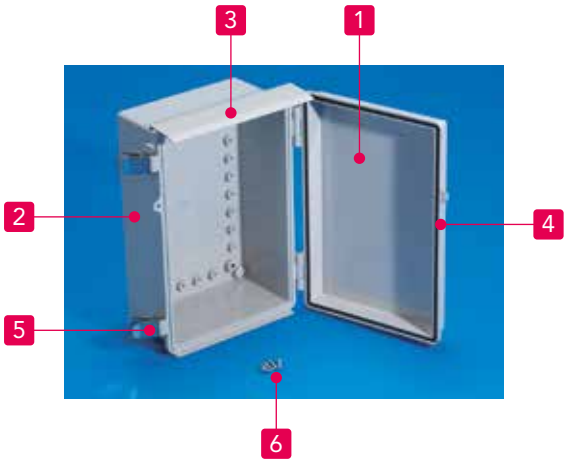
Protection class: IP65
Operating temperature:
BCAR -10°C ~ +60°C
BCPR -20°C ~ +75°C

Serie BCAR IP65 ABS Gehäuse mit Überdachung

Series BCAR IP65 ABS Plastic Box with Outdoor Roof

Serie BCPR IP65 Polycarbonat Gehäuse mit Überdachung

Series BCPR IP65 Polycarbonate Plastic Box with Outdoor Roof



- Geeigent für Außenanwendungen durch Montage einer Überdachung.
- 45 verschiedene Größen verfügbar.
- Serie BCAR besteht aus weißgrauen ABS mit 2 verschiedenen Deckeltypen (weißgrau, ABS und transparenten Polycarbonat).
- Serie BCPR besteht aus lichtgrauen UL94V-0 Polycarbonat mit guten Eigenschaften gegenüber Hitze.
- Transparente Deckelplatte ist nicht verfügbar für Serien BCAR507018, 507025, 608018, und 608028.

- Suitable for outdoor use by equipping easy snap-on roof attachment.
- 45 different sizes available.
- BCAR series is made of white gray ABS with 2 different cover type (white gray ABS and transparent polycarbonate).
- BCPR series is made of light gray UL94V-0 polycarbonate, which has good heat resistance properties.
- Transparent cover type is not available for BCAR507018, 507025, 608018, and 608028 models.

Einzelteile Serie BCAR - Components: BCAR series

■ Box UL class = UL94HB

No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Oberschale - Top cover	1	ABS • Polycarbonate	hellgrau • transparent - White gray • Transparent
2	Grundgehäuse - Base	1	ABS	hellgrau - White gray
3	Überdachtung - Roof	1	PVC	hellgrau - White gray
4	Dichtung - Gasket	1	Polyurethane	schwarz - Black
5	Verriegelung - Latch	1~3	Edelstahl - Stainless steel	unbehandelt - Unfinished
6	Schraube - Screw	2~8	Stahl - Steel	chromatiert - Trivalent chromate

■ Stainless steel mounting brackets are included together with the following models: 506018, 506025, 507018, 507025, 608018, and 608028.

Einzelteile Serie BCPR - Components: BCPR series

■ Box UL class = UL94V-0

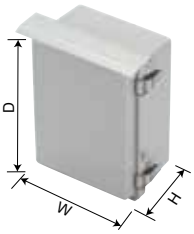
No.	Part name	Pcs	Material	Color / Finish
1	Oberschale - Top cover	1	Polycarbonate	lichtgrau - Light gray
2	Grundgehäuse - Base	1	Glass fiber filled polycarbonate	lichtgrau - Light gray
3	Überdachtung - Roof	1	PVC	lichtgrau - Light gray
4	Dichtung - Gasket	1	Polyurethane	schwarz - Black
5	Verriegelung - Latch	1~3	Edelstahl - Stainless steel	unbehandelt - Unfinished
6	Schraube - Screw	2~8	Stahl - Steel	chromatiert - Trivalent chromate

■ Stainless steel mounting brackets are included together with the following models: 506018, 506025, 507018, 507025, 608018, and 608028.

Farbcode - Color Type

Code	Cover color / Material	Base color / Material
BCAR[G]	White gray / ABS	White gray / ABS
BCAR[T]	Transparent / Polycarbonate	White gray / ABS
BCPR[S]	Light gray / Polycarbonate	Light gray / Glass fiber filled polycarbonate

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende ■ Please suffix color code at the end of the product number.



BCAR Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	D	H	Gewicht - Weight (g)	
				G	T
BCAR091207□	90	120	70	213	220
BCAR091208□	90	120	85	228	237
BCAR101507□	100	150	70	291	300
BCAR101508□	100	150	85	309	318
BCAR112107□	110	210	75	379	398
BCAR112110□	110	210	100	442	440
BCAR112607□	110	260	75	451	466
BCAR112610□	110	260	100.5	504	519
BCAR131508□	135	155	85	379	381
BCAR131808□	135	185	85.5	404	434
BCAR131810□	135	185	100.5	420	426
BCAR162110□	160	210	100	495	513
BCAR162113□	160	210	130	544	564
BCAR162610□	160	260	100	605	629
BCAR162613□	160	260	130	701	729
BCAR172211□	170	220	110.5	560	586
BCAR172711□	170	270	110.5	700	710
BCAR192810□	190	280	100.5	755	778
BCAR192814□	190	280	141	909	933
BCAR203013□	200	300	131.5	957	989
BCAR203015□	200	300	151.5	995	1,022
BCAR203018□	200	300	180.5	1,104	1,122
BCAR212110□	210	210	100	666	692
BCAR212113□	210	210	130	740	762
BCAR253515□	250	350	151	1,307	1,378
BCAR253518□	250	350	181.5	1,443	1,510
BCAR282813□	280	280	130.5	1,218	1,251
BCAR283813□	280	380	130	1,506	1,563
BCAR303015□	300	300	151	1,393	1,472
BCAR303018□	300	300	181	1,549	1,630
BCAR304012□	300	400	121	1,562	1,629
BCAR304015□	300	400	150	1,617	1,729
BCAR304018□	300	400	181	1,773	1,907
BCAR353515□	350	350	150	1,757	1,827
BCAR353518□	350	350	181	1,908	1,970
BCAR354512□	350	450	120	2,140	2,239
BCAR354516□	350	450	160	2,454	2,586
BCAR354520□	350	450	201	2,718	2,866
BCAR506018□	530	630	185	5,564	5,737
BCAR506025□	530	630	255	6,203	6,399
BCAR507018G	530	730	188	6,366	—
BCAR507025G	530	730	255	7,037	—
BCAR608018G	630	830	188	8,279	—
BCAR608028G	630	830	288	9,719	—

BCPR Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	D	H	Gewicht (g) Weight (g)
BCPR091207S	90	120	70	242
BCPR091208S	90	120	85	264
BCPR101507S	100	150	70	330
BCPR101508S	100	150	85	354
BCPR112107S	110	210	75	439
BCPR112110S	110	210	100	493
BCPR112607S	110	260	75	513
BCPR112610S	110	260	100.5	589
BCPR131508S	135	155	85	429
BCPR131808S	135	185	85.5	475
BCPR131810S	135	185	100.5	471
BCPR162110S	160	210	100	583
BCPR162113S	160	210	130	638
BCPR162610S	160	260	100	699
BCPR162613S	160	260	130	806
BCPR172211S	170	220	110.5	677
BCPR172711S	170	270	110.5	803
BCPR192810S	190	280	100.5	889
BCPR192814S	190	280	141	1,060
BCPR203013S	200	300	131.5	1,091
BCPR203015S	200	300	151.5	1,165
BCPR203018S	200	300	180.5	1,296
BCPR212110S	210	210	100	777
BCPR212113S	210	210	130	862
BCPR253515S	250	350	151	1,537
BCPR253518S	250	350	181.5	1,722
BCPR282813S	280	280	130.5	1,422
BCPR283813S	280	380	130	1,747
BCPR303015S	300	300	151	1,665
BCPR303018S	300	300	181	1,814
BCPR304012S	300	400	121	1,901
BCPR304015S	300	400	150	1,917
BCPR304018S	300	400	181	2,084
BCPR353515S	350	350	150	2,109
BCPR353518S	350	350	181	2,206
BCPR354512S	350	450	120	2,471
BCPR354516S	350	450	160	2,899
BCPR354520S	350	450	201	3,224
BCPR506018S	530	630	185	6,431
BCPR506025S	530	630	255	7,339
BCPR507018S	530	730	188	7,630
BCPR507025S	530	730	255	8,420
BCPR608018S	630	830	188	10,040
BCPR608028S	630	830	288	11,770

■ Serien BCAR507018, 507025, 608018, 608028 nur verfügbar in G Farbvariante.
■ BCAR507018, 507025, 608018, 608028 models are only available as G color type.

Zubehör (optional erhältlich - Accessories (optional parts)

Montageplatte Serie BMP
Mounting plate BMP series

Wandhalterungen Serie CK• BFL
Mounting bracket CK • BFL series

Masthalterung Serie SSK
Pole mounting bracket SSK series

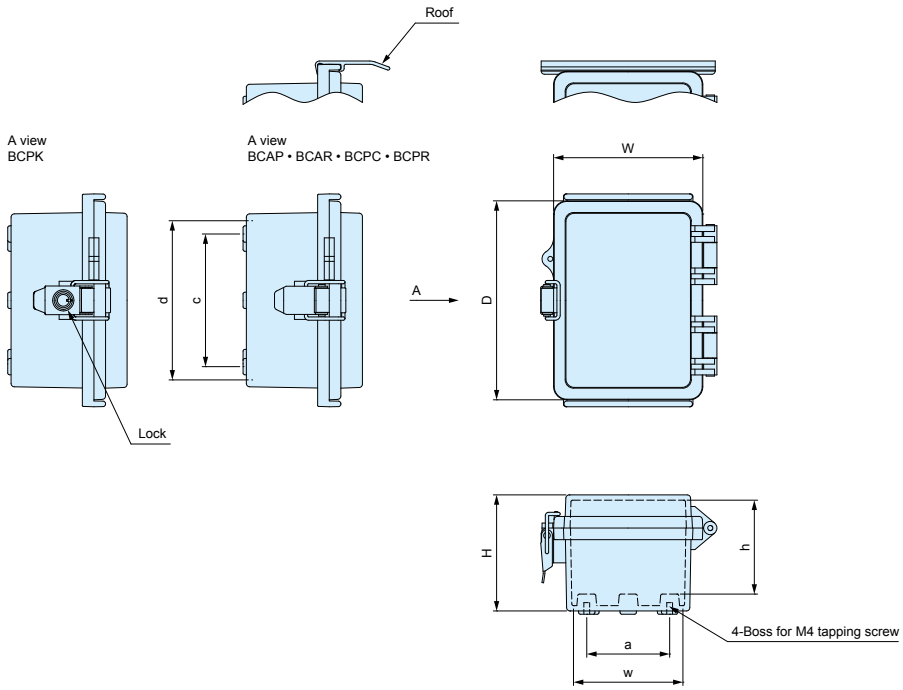
Kabeldurchführung
Cable gland

Belüftungsoptionen
Ventilation part

Serie BCAP • BCAR • BCPC BCPK • BCPR Maße

Series BCAP • BCAR • BCPC BCPK • BCPR dimensions

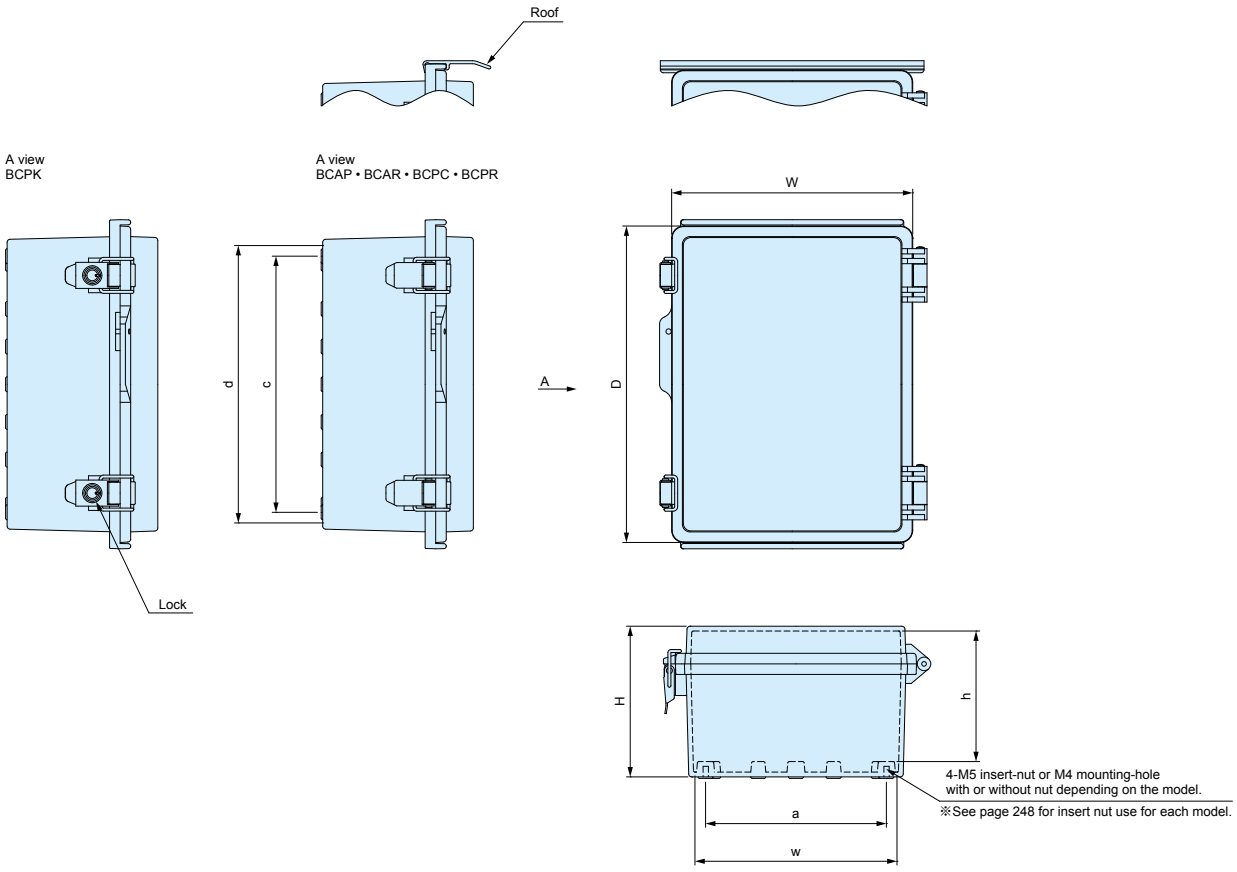
091207, 091208



Best-Nr. Product no.	W	D	H	Available range			Bottom hole pitch	
				w	d	h	a	c
BCAP • R, BCPC • K • R091207	90	120	70	66	96	56.5	50	80
BCAP • R, BCPC • K • R091208	90	120	85	66	96	71.5	50	80

101507 ~ 405020

Nicht verfügbar für die Serien BCAR • BCPR 151509, 151512, 405016, und 405020.
Not available for BCAR • BCPR 151509, 151512, 405016, and 405020 models.



- Befestigungsdome variieren zur Gehäusegröße.
- Inner bosses vary according to box size.

ANWENDUNGSBEISPIEL - APPLICATION EXAMPLE

VIDEO DATA CLOUD ROUTER

Product by LIVELOCK TECHNOLOGIES (Japan)

Best-Nr. Product no.	W	D	H	Available range			Bottom hole pitch		Insert nut
				w	d	h	a	c	
BCAP • R, BCPC • K • R101507	100	150	70	76	126	56.5	60	110	without
BCAP • R, BCPC • K • R101508	100	150	85	75.5	125.5	71.5	60	110	without
BCAP • R, BCPC • K • R112107	110	210	75	85.8	185.8	61.5	70	170	without
BCAP • R, BCPC • K • R112110	110	210	100	84.9	184.9	86.5	70	170	without
BCAP • R, BCPC • K • R112607	110	260	75	85.8	235.8	61.5	70	220	without
BCAP • R, BCPC • K • R112610	110	260	100.5	85.1	234.9	87.2	70	220	without
BCAP • R, BCPC • K • R131508	135	155	85	110.5	130.5	71.5	95	115	without
BCAP • R, BCPC • K • R131808	135	185	85.5	110.4	160.4	72.2	95	145	without
BCAP • R, BCPC • K • R131810	135	185	100.5	110.4	160.4	87.1	95	145	without
BCAP, BCPC • K 151509	150	150	90	125.7	125.7	75.5	120	120	without
BCAP, BCPC • K 151512	150	150	120.5	124	124	106	117	117	without
BCAP • R, BCPC • K • R162110	160	210	100	134	184	86.6	120	170	without
BCAP • R, BCPC • K • R162113	160	210	130	134	184	116.5	120	170	without
BCAP • R, BCPC • K • R162610	160	260	100	135.1	235.1	86.6	120	220	without
BCAP • R, BCPC • K • R162613	160	260	130	134	234	116.6	120	220	without
BCAP • R, BCPC • K • R172211	170	220	110.5	144.9	194.9	96.1	132	182	without
BCAP • R, BCPC • K • R172711	170	270	110.5	144.9	244.9	96.1	132	232	without
BCAP • R, BCPC • K • R192810	190	280	100.5	165.3	255.3	84.1	148	238	with
BCAP • R, BCPC • K • R192814	190	280	141	164.2	254.2	124.6	148	238	with
BCAP • R, BCPC • K • R203013	200	300	131.5	173.5	273.5	115.1	152	252	with
BCAP • R, BCPC • K • R203015	200	300	151.5	173.5	273.5	135.1	152	252	with
BCAP • R, BCPC • K • R203018	200	300	180.5	172.4	272.3	164.1	152	252	with
BCAP • R, BCPC • K • R212110	210	210	100	185.1	185.1	86.6	170	170	without
BCAP • R, BCPC • K • R212113	210	210	130	184	184	116.6	170	170	without
BCAP • R, BCPC • K • R253515	250	350	151	222.5	322.5	135.3	206	306	with
BCAP • R, BCPC • K • R253518	250	350	181.5	222.5	322.5	165.8	206	306	with
BCAP • R, BCPC • K • R282813	280	280	130.5	254	254	113.6	238	238	with
BCAP • R, BCPC • K • R283813	280	380	130	254	354	113.6	238	338	with
BCAP • R, BCPC • K • R303015	300	300	151	273	273	134.3	256	256	with
BCAP • R, BCPC • K • R303018	300	300	181	272.5	272.5	164.3	256	256	with
BCAP • R, BCPC • K • R304012	300	400	121	274.1	374.6	104.6	252	352	with
BCAP • R, BCPC • K • R304015	300	400	150	273.5	373.5	133.6	252	352	with
BCAP • R, BCPC • K • R304018	300	400	181	272.5	372.5	164.6	252	352	with
BCAP • R, BCPC • K • R353515	350	350	150	323.6	323.6	133.6	302	302	with
BCAP • R, BCPC • K • R353518	350	350	181	322.5	322.5	164.6	302	302	with
BCAP • R, BCPC • K • R354512	350	450	120	316.7	416.7	103.5	302	402	with
BCAP • R, BCPC • K • R354516	350	450	160	308.7	414.7	142.6	302	402	with
BCAP • R, BCPC • K • R354520	350	450	201	306.9	412.8	183.6	302	402	with
BCAP, BCPC • K 405016	400	500	160	360.4	466.6	144	352	452	with
BCAP, BCPC • K 405020	400	500	201	359.4	465.5	184	352.5	452.5	with

Serie BCAP • BCAR • BCPC BCPK • BCPR Maße

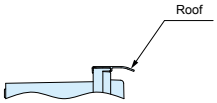
Series BCAP • BCAR • BCPC BCPK • BCPR dimensions

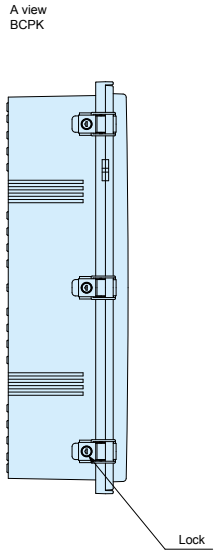
406018 ~ 507025

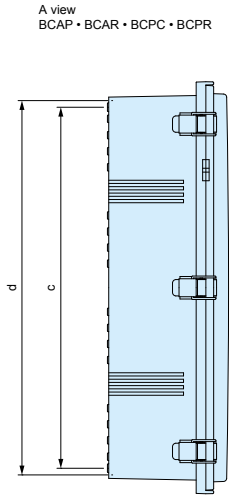
Nicht verfügbar für die Serien BCAR • BCPR 406018 und 406023.

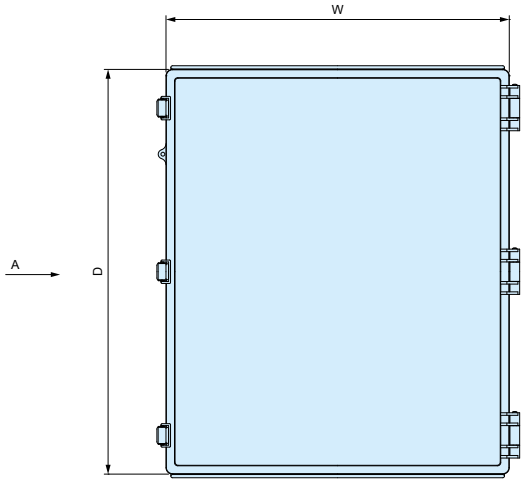
Not available for BCAR • BCPR 406018 and 406023 models.

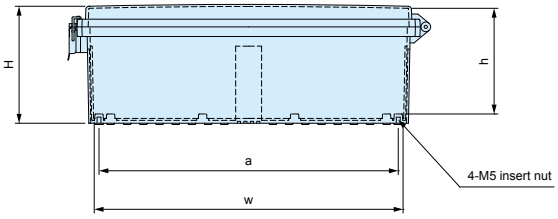
- Befestigungsdome variieren zur Gehäusegröße.
- Inner bosses vary according to box size.







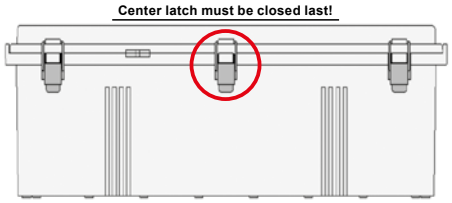




Attention when locking the latch

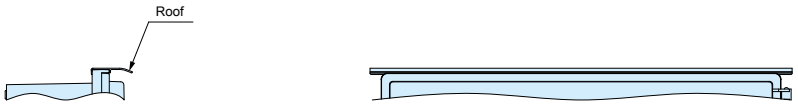
1. Close latches on both ends first.
2. Close center latch next.

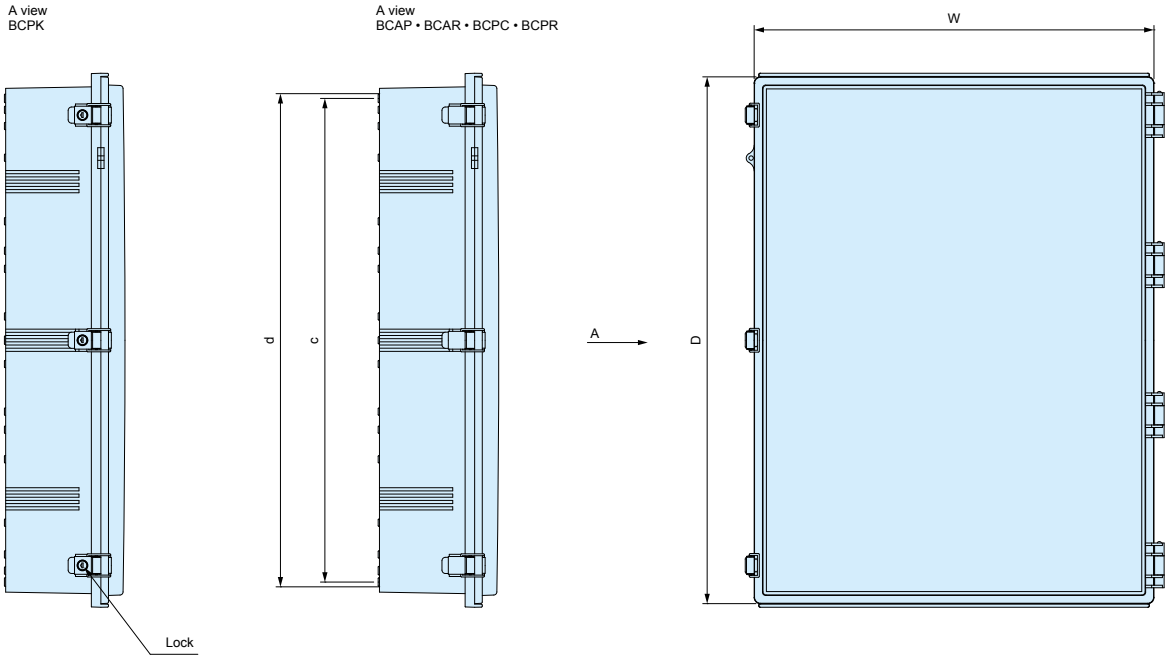
※ Closing the center latch first may create a non-watertight seal.



Best-Nr. Product no.	W	D	H	Available range			Bottom hole pitch	
				w	d	h	a	c
BCAP, BCPC • K 406018	400	600	181	358.6	565.9	163.8	352.5	552.5
BCAP, BCPC • K 406023	400	600	231	356.9	564.1	213.8	352	552.5
BCAP • R, BCPC • K • R506018	530	630	185	476.8	576.8	163.6	462	562
BCAP • R, BCPC • K • R506025	530	630	255	474.6	574.6	233.6	462	562
BCAP • R, BCPC • K • R507018	530	730	188	477	677	166.1	462	662
BCAP • R, BCPC • K • R507025	530	730	255	475	676.2	236	462	662

608018, 608028



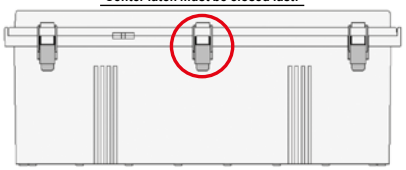


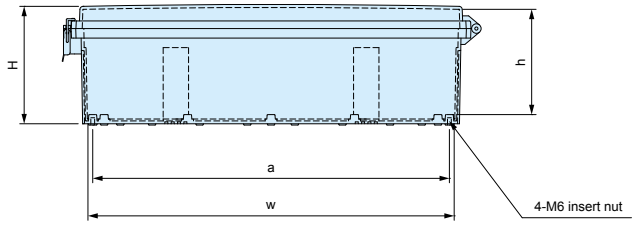
Attention when locking the latch

1. Close latches on both ends first.
2. Close center latch next.

※ Closing the center latch first may create a non-watertight seal.

Center latch must be closed last!

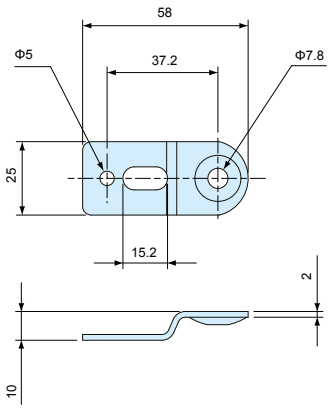




Best-Nr. Product no.	W	D	H	Available range			Bottom hole pitch	
				w	d	h	a	c
BCAP • R, BCPC • K • R608018	630	830	188	575	777	165.6	562	762
BCAP • R, BCPC • K • R608028	630	830	288	573.5	773.5	265.8	562	762

Im Lieferumfang enthaltende Montagewinkel für 506018, 506025, 507018, 507025, 608018 and 608028

Included stainless steel mounting brackets for 506018, 506025, 507018, 507025, 608018 and 608028



Bezeichnung	Stück	Material	Farbe / Oberfläche
Montagewinkel	6	Edelstahl	unbehandelt
Schraube	6	Stahl	chromatiert

Part name	Pcs	Material	Color / Finish
Mounting bracket	6	Stainless	Unfinished
Screw	6	Steel	Trivalent chromate

BRF Serie Überdachung

Series BRF Outdoor Roof

- Empfohlen für Außenanwendungen zum Schutz vor Regen und Feuchtigkeit.
- Einfache Montage.
- Verfügbar für die Serien BCAP and BCPC • BCPK außer 151509, 151512, 405016, 405020, 406018, und 406023.

- Recommended to be used for outdoor environments for protection against rain etc.
- Snap-in easy installation.
- Available for BCAP and BCPC • BCPK series except 151509, 151512, 405016, 405020, 406018, and 406023 models.

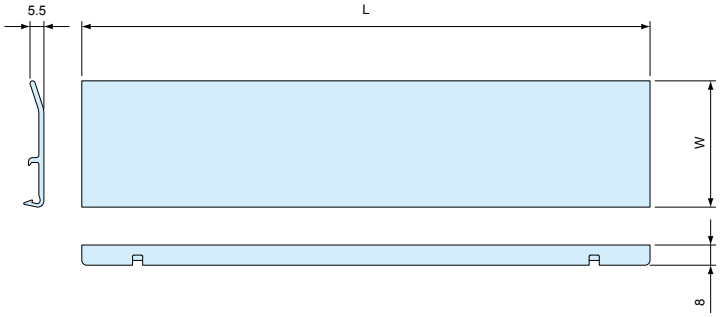
Farbcode

Farbcode	Material	Farbe / Oberfläche	geeigenete Serien
G	PVC	weißgrau / unlackiert	BCAP
S	PVC	lichtgrau / lackiert	BCPC • BCPK

Color Type

Color code	Material	Color / Finish	Suitable series
G	PVC	White gray / Unpainted	BCAP
S	PVC	Light gray / Painted	BCPC • BCPK

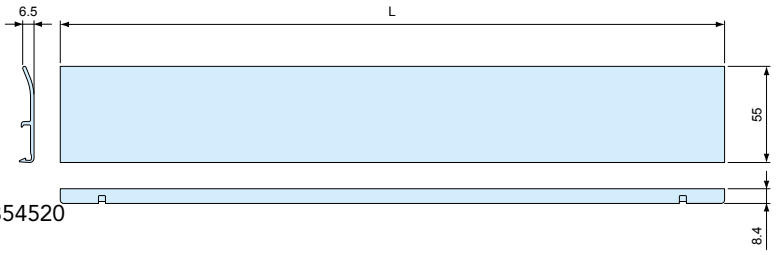
Überdachung für 091207 ~ 353518
Roof for 091207 ~ 353518



Best-Nr. / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
- Please suffix color code at the end of the product number.

Best-Nr. - Product no.	geeignetes Gehäuse - Suitable box	L	W
BRF- 90☐	BCAP • BCPC • BCPK 091207 091208	105	45
BRF-100☐	BCAP • BCPC • BCPK 101507 101508	115	45
BRF-110☐	BCAP • BCPC • BCPK 112107 112110 112607 112610	125	45
BRF-135☐	BCAP • BCPC • BCPK 131508 131808 131810	150	45
BRF-160☐	BCAP • BCPC • BCPK 162110 162113 162610 162613	175	45
BRF-170☐	BCAP • BCPC • BCPK 172211 172711	185	45
BRF-190☐	BCAP • BCPC • BCPK 192810 192814	205	45
BRF-210☐	BCAP • BCPC • BCPK 212110 212113	225	45
BRF-200☐	BCAP • BCPC • BCPK 203013 203015 203018	225	50
BRF-250☐	BCAP • BCPC • BCPK 253515 253518	275	50
BRF-280☐	BCAP • BCPC • BCPK 282813 283813	305	50
BRF-300☐	BCAP • BCPC • BCPK 303015 303018 304012 304015 304018	325	50
BRF-350☐	BCAP • BCPC • BCPK 353515 353518	375	50



Überdachung für 354512 ~ 354520
Roof for 354512 ~ 354520

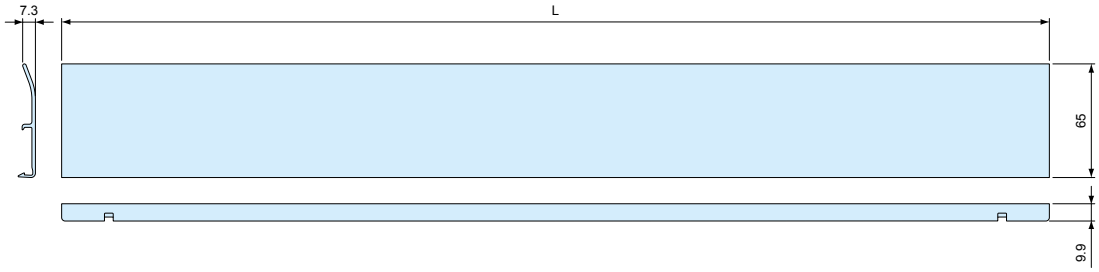
- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
- Please suffix color code at the end of the productumber.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	geeignetes Gehäuse Suitable box	L
BRF-350L☐	BCAP • BCPC • BCPK 354512 354516 354520	380

- S Farbvariante ist lichtgrau lackiert. -
- S color type is light gray painted.

Überdachung für 506018 ~ 608028
Roof for 506018 ~ 608028



■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

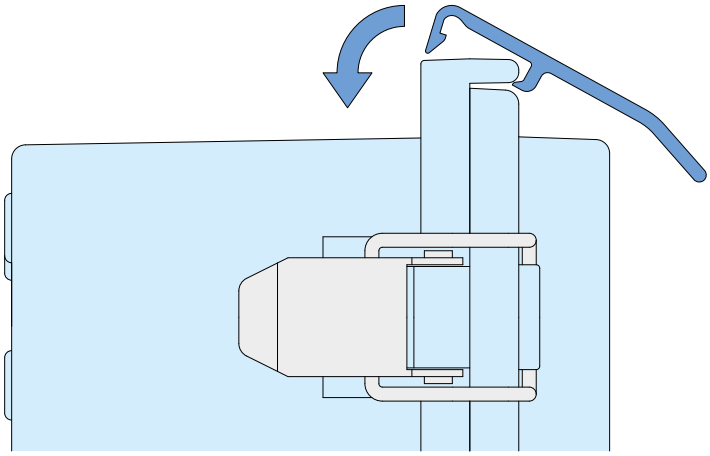
Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	geeignetes Gehäuse Suitable box	L
BRF-530☐	BCAP • BCPC • BCPK 506018 506025 507018 507025	565
BRF-630☐	BCAP • BCPC • BCPK 608018 608028	665

■ S Farbvariante ist lichtgrau lackiert. - ■ S color type is light gray painted.

■ Montageanweisung Serie BRF.
Siehe Zeichnung.

■ How to install BRF outdoor roof.
Refer to illustration.



BCC-1
Staubschutzkappe

BCC-1
Dust protection cap

- Schützt gegen Staub und andere Einflüsse.
- Dient zum Korrosionsschutz am Schloss.
- Bei der Bestellung die Anzahl der Staubschutzkappen gemäß der Anzahl der Verriegelungen des ausgewählten Gehäuses beachten.

- Prevent dust and other foreign material entry.
- Protection against corrosion on key hole part in environments such as coastal areas.
- When ordering, please ensure that the quantity required corresponds to the number of latches on your selected enclosure.

Best-Nr. / Maße

Best-Nr.	Material	Farbe	VPE
BCC-1	Silikon	schwarz	1 Stück

Product no. / Dimensions

Product no.	Material	Color	Sales unit
BCC-1	Silicone	Black	1 pc

Geeignetes Gehäuse - Suitable Box

Geeignetes Gehäuse - Suitable box	Anzahl - Required
BCPK192810 ~ 203018, 253515 ~ 405020	2 pcs
BCPK406018 ~ 608028	3 pcs

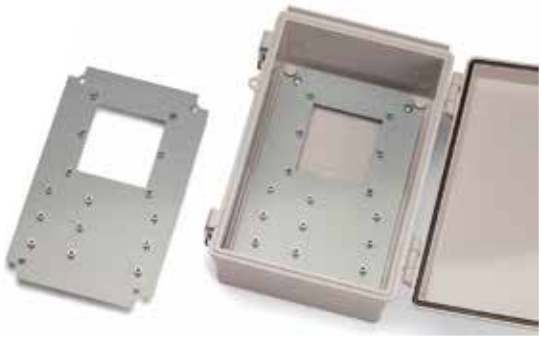
■ Nicht geeignet für BCPK 212110, 212113, 172711, und kleinere Serien. - ■ Not suitable for BCPK 212110, 212113, 172711, and smaller models.

BMP-Z Serie
Stahl-Montageplatte

Series BMP-Z
Steel mounting plate

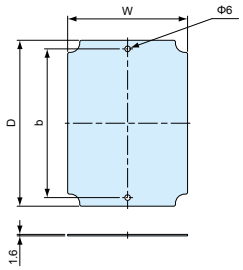
- Stabil, dennoch einfach zu bearbeiten.
- Größere Montageplatten (BMP5060Z, 5070Z und 6080Z) haben 90° Abwicklungen.
- Tough but easily customizable.
- Large sized (BMP5060Z, 5070Z and 6080Z) plates have a 90° bent edge.

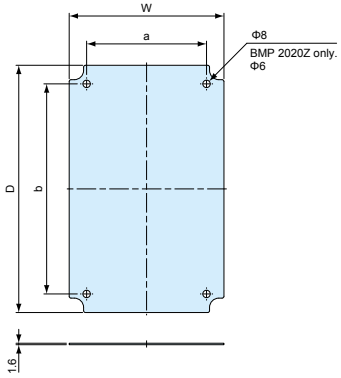
BMP0912Z ~ 1727Z

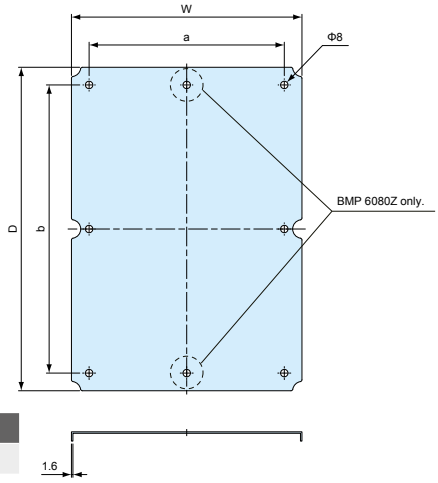


BMP1928Z ~ 4060Z

BMP5060Z ~ 6080Z







Einzelteile - Components

Bezeichnung - Part name	Material	Oberfläche - Finish
Montageplatte - Mounting plate	Stahl - Steel t=1.6	verzinkt - Zinc coated

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. - Product no.	W	D	a	b	Geeignetes Gehäuse - Suitable box	Gewicht - Weight (g)
BMP0912Z	58	88	–	69	BCAP • R, BCPC • K • R 091207, 091208	53
BMP0813Z	68	118	–	99	BCAP • R, BCPC • K • R 101507, 101508	87
BMP1121Z	77	177	–	158	BCAP • R, BCPC • K • R 112107, 112110	159
BMP1126Z	77	227	–	208	BCAP • R, BCPC • K • R 112607, 112610	210
BMP1315Z	102	122	–	110	BCAP • R, BCPC • K • R 131508	141
BMP1217Z	102	152	–	140	BCAP • R, BCPC • K • R 131808, 131810	180
BMP1515Z	121	121	–	110	BCAP BCPC • K 151509, 151512	172
BMP1520Z	126	176	–	160	BCAP • R, BCPC • K • R 162110, 162113	262
BMP1525Z	127	227	–	210	BCAP • R, BCPC • K • R 162610, 162613	346
BMP1722Z	137	187	–	160	BCAP • R, BCPC • K • R 172211	308
BMP1727Z	137	237	–	210	BCAP • R, BCPC • K • R 172711	391
BMP1928Z	157	247	120	210	BCAP • R, BCPC • K • R 192810, 192814	462.5
BMP2020Z	176	176	120	150	BCAP • R, BCPC • K • R 212110, 212113	371
BMP2030Z	165	265	129	226	BCAP • R, BCPC • K • R 203013, 203015, 203018	519
BMP2535Z	215	315	180	270	BCAP • R, BCPC • K • R 253515, 253518	816
BMP2828Z	246	246	210	210	BCAP • R, BCPC • K • R 282813	727.5
BMP2838Z	246	346	210	310	BCAP • R, BCPC • K • R 283813	1,018
BMP3030Z	264	264	219	219	BCAP • R, BCPC • K • R 303015, 303018	826.5
BMP3040Z	265	365	228	325	BCAP • R, BCPC • K • R 304012, 304015, 304018	1,154
BMP3535Z	315	315	270	270	BCAP • R, BCPC • K • R 353515, 353518	1,196.5
BMP3545Z	301	401	274	365	BCAP • R, BCPC • K • R 354512, 354516, 354520	1,443
BMP4050Z	354	454	328	428	BCAP BCPC • K 405016, 405020	1,998
BMP4060Z	354	551	328	525	BCAP BCPC • K 406018, 406023	2,328
BMP5060Z	474	574	426	526	BCAP • R, BCPC • K • R 506018, 506025	3,286
BMP5070Z	472	672	426	626	BCAP • R, BCPC • K • R 507018, 507025	3,864
BMP6080Z	565	765	526	726	BCAP • R, BCPC • K • R 608018, 608028	5,288.5

- K = BCPK series / R = BCAR • BCPR series

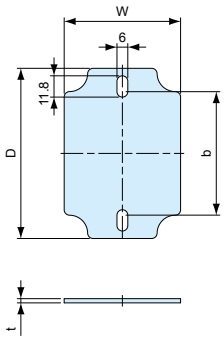
BMP-P Serie
Kunststoff-Montageplatte

Series BMP-P
Plastic mounting plate

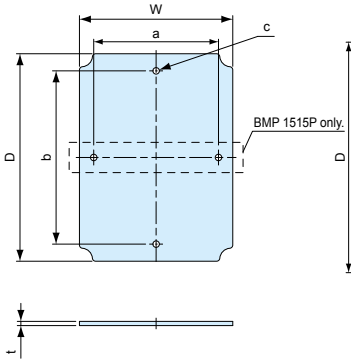
- Leichte ABS Kunststoff-Montageplatte.
- Flache Montageplatte: BMP0811P ~ BMP1515P
  Geschlitzte Montageplatte: BMP1520P ~ BMP4050P

- Lightweight ABS plastic mounting plate.
- Flat plate: BMP0811P ~ BMP1515P
  Ribbed plate: BMP1520P ~ BMP4050P

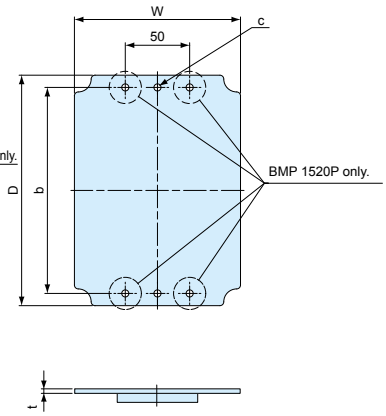
BMP0811P (Flat)



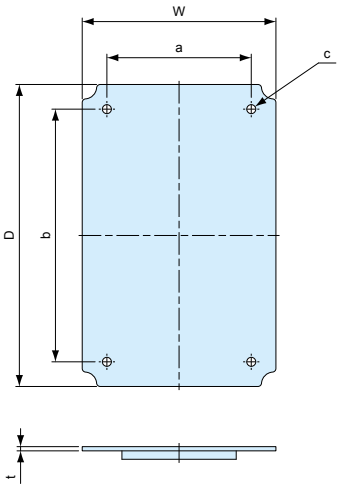
BMP0813P, 1515P (Flat)



BMP1520P, 1525P (Ribbed)



BMP1928P ~ 4050P (Ribbed)



Einzelteile

Bezeichnung	Material	Farbe
Montageplatte	ABS	weißgrau

Components

Part name	Material	Color
Mounting plate	ABS	White gray

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. / Product no.	W	D	a	b	t	c (Φ)	Geeignetes Gehäuse - Suitable box	Weight (g)
BMP0811P	64.5	94.3	–	68.4	3.5	–	BCAP • R, BCPC • K • R 091207, 091208	21
BMP0813P	64.5	114.5	–	99	3	Φ6	BCAP • R, BCPC • K • R 101507, 101508	24
BMP1121P	76.5	176	–	158	3	Φ6	BCAP • R, BCPC • K • R 112107, 112110	40
BMP1126P	76.5	226	–	208	3	Φ6	BCAP • R, BCPC • K • R 112607, 112610	53
BMP1315P	101.5	121.5	–	110	3.5	Φ5.5	BCAP • R, BCPC • K • R 131508	36
BMP1217P	109.5	160	–	140	4	Φ6	BCAP • R, BCPC • K • R 131808, 131810	62
BMP1515P	123	123	110	110	3.5	Φ6	BCAP BCPC • K 151509, 151512	52
BMP1520P	129	179	–	160	3.5	Φ5.5	BCAP • R, BCPC • K • R 162110, 162113, 172211	92
BMP1525P	129	228.5	–	210	3.5	Φ6	BCAP • R, BCPC • K • R 162610, 162613, 172711	112
BMP1928P	158.5	248	120	210	3.5	Φ8	BCAP • R, BCPC • K • R 192810, 192814	162
BMP2020P	178.5	178.5	120	150	3.5	Φ5.5	BCAP • R, BCPC • K • R 212110, 212113	125
BMP2030P	166.5	266	128	225.5	4	Φ8	BCAP • R, BCPC • K • R 203013, 203015, 203018	188
BMP2535P	215.5	315	180	268.5	4	Φ8	BCAP • R, BCPC • K • R 253515, 253518	292
BMP2828P	248.5	248.5	210	210	4	Φ8	BCAP • R, BCPC • K • R 282813	237
BMP2838P	248	347.5	209	309.5	4	Φ8	BCAP • R, BCPC • K • R 283813	368
BMP3030P	262.5	262.5	219	219	4	Φ7.5	BCAP • R, BCPC • K • R 303015, 303018	281
BMP3040P	264.5	364	227	323	4	Φ8	BCAP • R, BCPC • K • R 304012, 304015, 304018	437
BMP3535P	313.5	313.5	269.5	269.5	4	Φ8	BCAP • R, BCPC • K • R 353515, 353518	424.5
BMP3545P	305	405.5	273	364	4	Φ8	BCAP • R, BCPC • K • R 354512, 354516, 354520	539
BMP4050P	357	457	328	428	4	Φ8.5	BCAP BCPC • K 405016, 405020	725.5

- K = BCPK series / R = BCAR • BCPR series

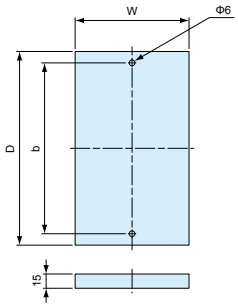
BMP-W Serie
Montageplatte aus Holz

Series BMP-W
Wooden mounting plate

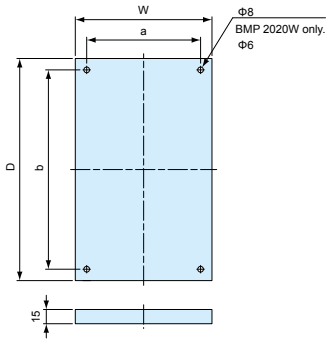
- Einfache Montage mit selbstschneidenen Schrauben.
- Einfache Bearbeitung möglich.
- Montageplatte mit gedrucktem Raster als Referenz.

- Easy installation with tapping screws.
- Easily customizable hard wooden plate.
- Plate comes with scales printed on for easy references.

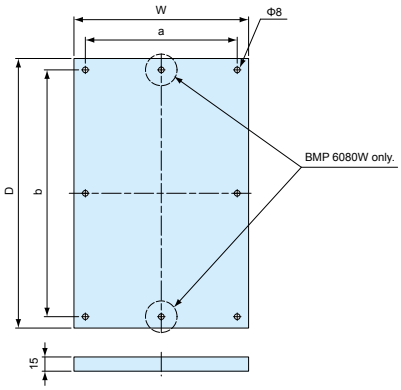
BMP0912W ~ 1727W



BMP1928W ~ 4060W



BMP5060W ~ 6080W



Einzelteile - Components

Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
Montageplatte - Mounting plate	1	Holztafel - Wood board t=15	bedruckte Oberfläche mit Skalierung
Schraube - Screw	2 ~ 8	Stahl - Steel	chromatiert

Best-Nr. / Maße - Product no. / Dimensions

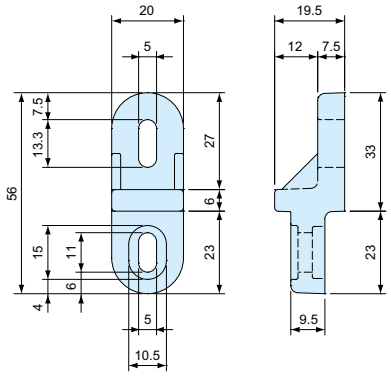
Best-Nr. - Product no.	W	D	a	b	Geeignetes Gehäuse - Suitable box	Schraube - Screw	Weight (g)
BMP0912W	58	92	–	69	BCAP • R, BCPC • K • R 091207, 091208	M4-20 × 2 pcs	62
BMP0813W	68	122	–	99	BCAP • R, BCPC • K • R 101507, 101508	M4-20 × 2 pcs	94
BMP1121W	77	181	–	158	BCAP • R, BCPC • K • R 112107, 112110	M4-20 × 2 pcs	166
BMP1126W	77	231	–	208	BCAP • R, BCPC • K • R 112607, 112610	M4-20 × 2 pcs	191
BMP1315W	102	126	–	110	BCAP • R, BCPC • K • R 131508	M4-20 × 2 pcs	127
BMP1217W	102	156	–	140	BCAP • R, BCPC • K • R 131808, 131810	M4-20 × 2 pcs	190
BMP1515W	118	125	–	110	BCAP BCPC • K 151509, 151512	M4-20 × 2 pcs	172
BMP1520W	126	180	–	160	BCAP • R, BCPC • K • R 162110, 162113	M4-20 × 2 pcs	243
BMP1525W	127	231	–	210	BCAP • R, BCPC • K • R 162610, 162613	M4-20 × 2 pcs	352
BMP1722W	137	191	–	160	BCAP • R, BCPC • K • R 172211	M4-20 × 2 pcs	286
BMP1727W	137	241	–	210	BCAP • R, BCPC • K • R 172711	M4-20 × 2 pcs	212
BMP1928W	150	240	120	210	BCAP • R, BCPC • K • R 192810, 192814	M5-20 × 4 pcs	350
BMP2020W	170	174	120	150	BCAP • R, BCPC • K • R 212110, 212113	M4-20 × 4 pcs	336
BMP2030W	159	256	129	226	BCAP • R, BCPC • K • R 203013, 203015, 203018	M5-20 × 4 pcs	482
BMP2535W	210	300	180	270	BCAP • R, BCPC • K • R 253515, 253518	M5-20 × 4 pcs	688
BMP2828W	240	240	210	210	BCAP • R, BCPC • K • R 282813	M5-20 × 4 pcs	565
BMP2838W	240	340	210	310	BCAP • R, BCPC • K • R 283813	M5-20 × 4 pcs	893
BMP3030W	249	249	219	219	BCAP • R, BCPC • K • R 303015, 303018	M5-20 × 4 pcs	659
BMP3040W	258	355	228	324	BCAP • R, BCPC • K • R 304012, 304015, 304018	M5-20 × 4 pcs	965
BMP3535W	300	300	270	270	BCAP • R, BCPC • K • R 353515, 353518	M5-20 × 4 pcs	964
BMP3545W	301	395	274	365	BCAP • R, BCPC • K • R 354512, 354516, 354520	M5-20 × 4 pcs	1,314
BMP4050W	355	455	328	428	BCAP BCPC • K 405016, 405020	M5-20 × 4 pcs	1,754
BMP4060W	355	552	328	525	BCAP BCPC • K 406018, 406023	M5-20 × 4 pcs	2,015.5
BMP5060W	456	556	426	526	BCAP • R, BCPC • K • R 506018, 506025	M5-20 × 6 pcs	2,650
BMP5070W	456	656	426	626	BCAP • R, BCPC • K • R 507018, 507025	M5-20 × 6 pcs	3,152.5
BMP6080W	556	756	526	726	BCAP • R, BCPC • K • R 608018, 608028	M5/M6-20 × 8 pcs	4,434

■ K = BCPK series / R = BCAR • BCPR series

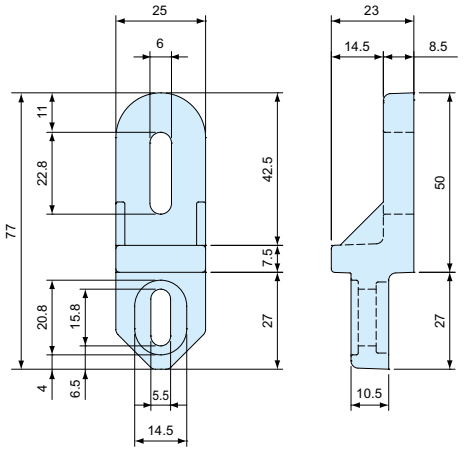
BFL Serie
Kunststoff-Montagewinkel

Series BFL
Plastic mounting bracket

BFL-1



BFL-2 / BFL-2-21



- 2 verschiedene Farbvarianten gemäß Gehäusefarben.
- Stabiles Polycarbonatmaterial mit Glasfaseranteilen.
- 2 different colored type to match box colors.
- Tough and strong glass fiber filled polycarbonate.

Farbcode

G	weißgrau	BCAP • BCAR
S	lichtgrau	BCPC • BCPK • BCPR

Einzelteile

Bezeichnung	Stück	Material / Oberfläche
Montagewinkel	4	Polycarbonat inkl. Glasfaser
Schraube	4	Edelstahl / unbehandelt

Color Type

G	White gray	BCAP • BCAR
S	Light gray	BCPC • BCPK • BCPR

Components

Part name	Pcs	Material / Finish
Mounting bracket	4	Glass fiber filled polycarbonate
Screw	4	Stainless steel / Unfinished

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	Geeignetes Gehäuse - Suitable box	Schraube Screw
BFL-1□	BCAP • R, BCPC • K • R 0912, 1015, 1121, 1126, 1315, 1318, 1621, 1626, 1722, 1727, 212113	M4-12
BFL-2□	BCAP • R, BCPC • K • R 1928, 2030, 2535, 2828, 2838, 3030, 3040, 3535, 3545, 4050, 4060, 5060	M5-12
BFL-2-21□	BCAP • R, BCPC • K • R 212110	M4-12

- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.

※Nicht geeignet für Serie BCAP1515. Hierfür bitte Serie CK-35P (Edelstahl) einsetzen.

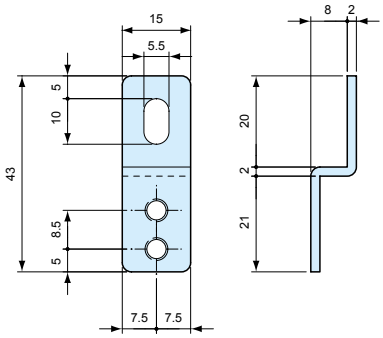
- Please suffix color code at the end of the product number.

※Not suitable for BCAP1515 model. Use CK-35P (Stainless steel) instead.

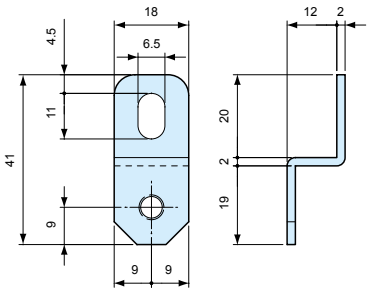
CK Serie
Edelstahl Montagewinkel

Series CK Stainless steel mounting bracket

CK-35P



CK-26P



Einzelteile

Bezeichnung	Stück	Material	Oberfläche
Montagewinkel	4	Edelstahl	trowalisiert
Schraube	4	Edelstahl	unbehandelt

Best-Nr. / Maße

Best-Nr.	Geeignetes Gehäuse	Schraube
CK-35P	BCAP • R, BCPC • K • R 0912, 1015, 1121, 1126, 1315, 1318, 1515, 1621, 1626, 1722, 1727, 2121	M4-10
CK-26P	BCAP • R, BCPC • K • R 1928, 2030, 2535, 2828, 2838, 3030, 3040, 3535, 3545, 4050, 4060	M5-10

Components

Part name	Pcs	Material	Finish
Mounting bracket	4	Stainless steel	Barrel finish
Screw	4	Stainless steel	Unfinished

Product no. / Dimensions

Product no.	Suitable box	Screw
CK-35P	BCAP • R, BCPC • K • R 0912, 1015, 1121, 1126, 1315, 1318, 1515, 1621, 1626, 1722, 1727, 2121	M4-10
CK-26P	BCAP • R, BCPC • K • R 1928, 2030, 2535, 2828, 2838, 3030, 3040, 3535, 3545, 4050, 4060	M5-10

MT Serie
PCB Montageschraube

Series MT
PCB mounting screw

- PCB Montageschraube Serien BCAP • BCAR • BCPC • BCPK • BCPR.
- PCB mounting screws for inner bosses of BCAP • BCAR • BCPC • BCPK • BCPR series.

Best-Nr. / Maße

Best-Nr.	Material	Oberfläche	VPE
MT4-8T	Stahl M4	chromatiert	20
MT5-8T	Stahl M5	chromatiert	20

Product no. / Dimensions

Product no.	Material	Finish	Pack of
MT4-8T	Steel M4	Trivalent chromate	20
MT5-8T	Steel M5	Trivalent chromate	20

Geeignetes Gehäuse - Suitable Box

MT4-8T	BCAP • R, BCPC • K • R 0912, 1015, 1121, 1126, 1315, 1318, 1515, 1621, 1626, 1722, 1727, 1928, 2121	7kgf • cm (0.7N • m)
MT5-8T	BCAP • R, BCPC • K • R 2030, 2535, 2828, 2838, 3030, 3040, 3535, 3545, 4050, 4060, 5060, 5070, 6080	14kgf • cm (1.4N • m)

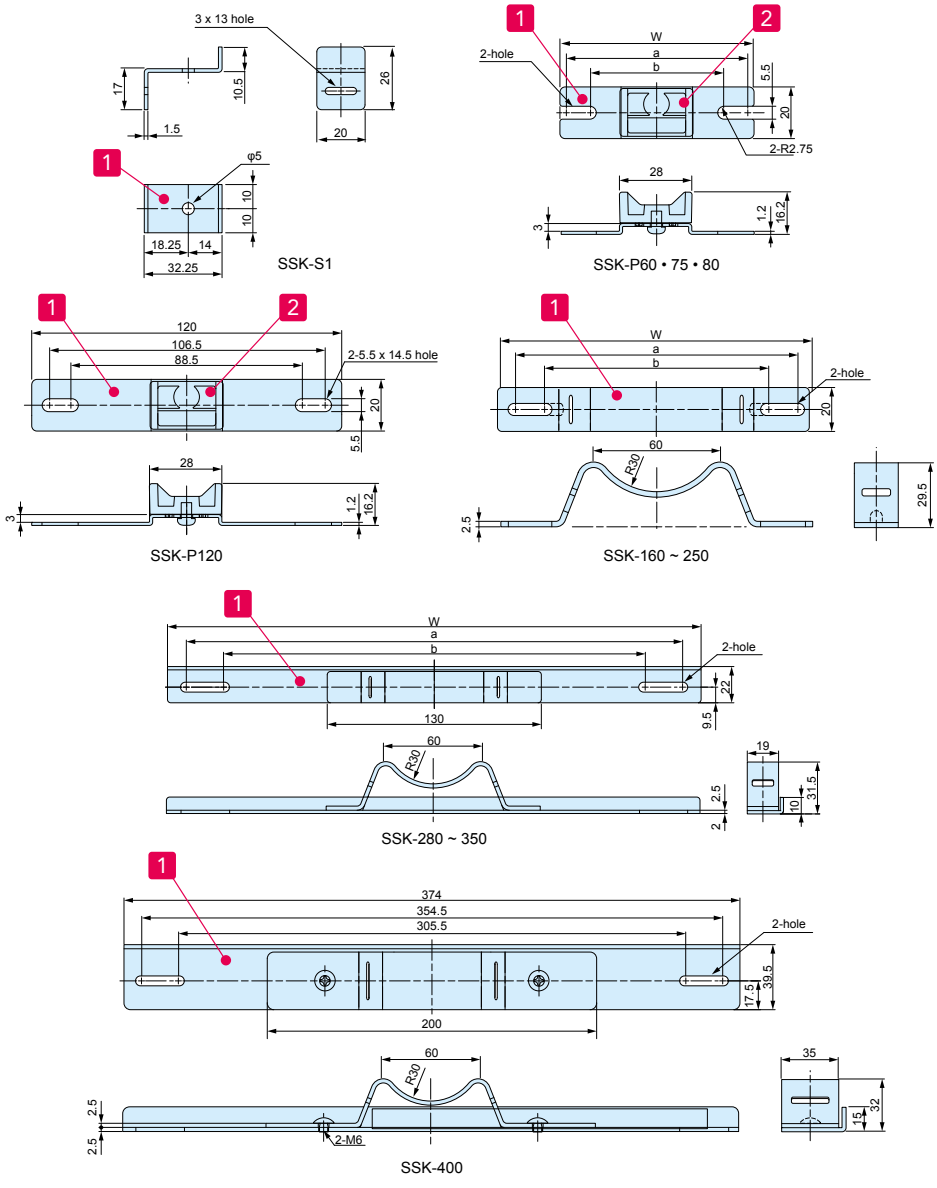
SSK Serie
Mast-Montagehalter

Series SSK
Pole mounting bracket

- Edelstahl Mast-Montagehalter für Serien BCAP • BCAR und BCPC • BCPK • BCPR.
- Keine Bohrungen notwendig um den Schutzgrad erhalten zu können.
- Nutzen Sie PKB Montagegurt zur Mastbefestigung.
- Stainless steel pole mounting bracket for BCAP • BCAR and BCPC • BCPK • BCPR series.
- No hole milling is required for maintaining the IP rating of the enclosure.
- Use PKB mounting belt to install onto a pole.

SSK Maße

SSK dimensions

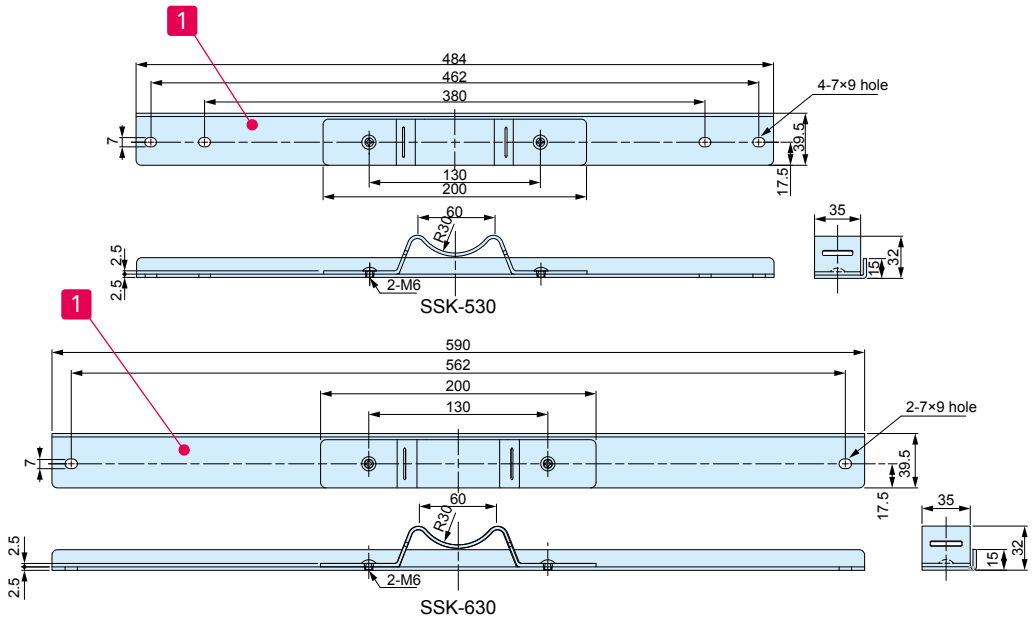


ANWENDUNGSBEISPIEL
APPLICATION EXAMPLE

WEATHER STATION DATA LOGGER
Product by Sakaki Corporation (Japan)

WATER LEVEL DETECTOR
Product by Aspect System (Japan)

Zubehör (optional erhältlich) Accessories (optional parts)



Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Montagegurt	2 / 4	Edelstahl SUS304	trowalisiert
2	Montageklammer (Nur Serie SSK-P)	2	ASA UL94HB	weißgrau (RAL7035)
–	Schraube	4	Edelstahl SUS304	unbehandelt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Bracket	2 / 4	Stainless Steel SUS304	Barrel finish
2	Plastic bracket (SSK-P type only)	2	ASA UL94HB	White gray (RAL7035)
–	Screw	4	Stainless Steel SUS304	Unfinished

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	a	b	c	Gehäusegröße Box size	Passender Montagegurt Belt to use with	VPE Pack of
SSK-S1	32.25	18.25	14	–	0912, 1015, 1121, 1126, 1315, 1318, 1621, 1626, 1722, 1727, 2121	PKB-10P, PKB-10S	4
SSK-P60	60	54.5	46.5	5.5×9	0912	PKB-10P, PKB-10S	2
SSK-P75	75	69.5	53.5	5.5×12.5	1015	PKB-10P, PKB-10S	2
SSK-P80	80	74.5	64.5	5.5×10.5	1121, 1126	PKB-10P, PKB-10S	2
SSK-P120	120	106.5	88.5	5.5×14.5	1315, 1318	PKB-10P, PKB-10S	2
SSK-160	142	129.5	101	–	1515, 1621, 1626	PKB-10P, PKB-10S	2
SSK-170	152	142.3	101	–	1722, 1727	PKB-10P, PKB-10S	2
SSK-200	174	161.5	112.5	–	1928, 2030	PKB-10P, PKB-10S	2
SSK-210	192	180.5	131.5	–	2121	PKB-10P, PKB-10S	2
SSK-250	230	215.5	166.5	–	2535	PKB-10P, PKB-10S	2
SSK-280	260	244.5	195.5	–	2828, 2838	PKB-10P, PKB-10S	2
SSK-300	280	264.5	215.5	–	3030, 3040	PKB-10P, PKB-10S	2
SSK-350	324	302.5	253.5	–	3535, 3545	PKB-10P, PKB-10S	2
SSK-400	374	354.5	305.5	–	4050, 4060	PKB-20S	2
SSK-530	484	462	380	7×9	5060, 5070	PKB-20S	2
SSK-630	590	562	–	7×9	6080	PKB-20S	2

PKB Serie
Mast-Montagegurt

Series PKB
Pole mounting belt

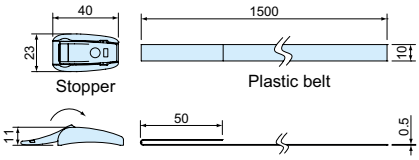
PKB–10P

PKB–10S, 20S

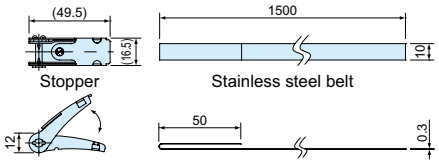
- Universal einsetzbarer Mast-Montagegurt für unterschiedliche Gehäusetypen.
- Aus Edelstahl für hohe Festigkeit, einfache Installation. Ebenfalls aus Kunststoff verfügbar.
- Serie SSK notwendig zur Mastbefestigung.
- Nur einmal einsetzbar (nicht wiederverwendbar).

- Universal pole mounting belt for various types of enclosures / box.
- Strong clamping stainless steel type and easy installation plastic type are available.
- Use SSK mounting bracket to install onto a pole.
- Designed for one time use only (not reusable).

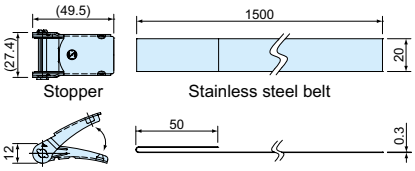
PKB-10P



PKB-10S



PKB-20S



Einzelteile

Bezeichnung	Stück	Material	Farbe / Oberfläche
Stopper	2	POM • Edelstahl SUS304	schwarz • trowalisiert
Gurt	2	PET • Edelstahl SUS430	grau • getempert

Components

Part name	Pcs	Material	Color / Finish
Stopper	2	POM • Stainless steel SUS304	Black • Barrel finish
Belt	2	PET • Stainless steel SUS430	Gray • Bright annealed finish

Best-Nr. / Maße

Best-Nr.	Zugfestigkeit (horizontal)	Gurtmaterial	Gurtlänge	Gewicht (g)	VPE
PKB-10P	1.3kN	PET	1,500mm	31.8	2
PKB-10S	1.4kN	Edelstahl	1,500mm	101.6	2
PKB-20S	2.9kN	Edelstahl	1,500mm	182.2	2

Product no. / Dimensions

Product no.	Tensile strength (horizontal)	Belt material	Belt length	Weight (g)	Pack of
PKB-10P	1.3kN	PET	1,500mm	31.8	2
PKB-10S	1.4kN	Stainless steel	1,500mm	101.6	2
PKB-20S	2.9kN	Stainless steel	1,500mm	182.2	2

Serie ITC ITC Series

Universales Gehäusesystem geeignet für den Einbau von Touchlösungen und Tablet – Computer-Systemen mit höchsten Anforderungen an Design und Funktionalität. Die Serie ITC ermöglicht die einfache Integration von Touch-Systemen, Tablet-Computer und weiteren Bedien- und Anzeigeeinheiten. Die Rahmenkonstruktion aus hochwertigen Aluminium-Strangpressprofilen – kombiniert mit Deckelplatten – ermöglicht eine schnelle und wirtschaftliche Umsetzung von kundenspezifischen Lösungen passend zu Ihrer Anwendung.

Ausführung:
Frontplatten und Seitenteile aus Aluminiumprofilen. Deckbleche aus 1,5 mm Aluminiumblech.

Anwendung:
Die Serie ITC ist besonders zur Aufnahme von Touchlösungen und Tablet-Computer-Systemen geeignet. Der einfache Aufbau ermöglicht darüber hinaus eine Integration von ungenormten Bauteilen und Leiterplatten.

Oberflächen:
Drei verschiedene Eloxal-Farben als Standardoberflächen. Andere Eloxalfarben oder Lackierungen auf Anfrage erhältlich.

Bearbeitung nach Kundenwunsch:
Gerne bieten wir Ihnen das Gehäuse in kundenspezifischen Abmessungen inkl. einer Bearbeitung und Bedruckung an.

Universal enclosure – system suitable for touch-solutions and tablet – computer-systems with highest standards in design and functionality. The series ITC allows an easy integration of touch – solutions, tablets or other operating - and display units. The frame-construction made of high quality aluminium extrusions – combined with aluminium covers – allows a rapid and economical implementation of customized solutions suitable to your application.

Features:
Front- and side panels made of aluminium extrusions. Cover plates in1.5 mm aluminium.

Applications:
The series ITC is suitable for touch – solutions, tablets or other operating - and display units. The construction also allows the integration of non-standard components and PCBs.

Surface finish:
We provide three standard colors with anodized surfaces. Other colors or coatings on request available.

Customizing:
Please send us your request. We are able to produce your customized solution with cut-outs and printing in an economic way.

ITC 22

Gehäuse-höhe enclosure height	A	Für Kartentiefe for card length 80mm B	Für Kartentiefe for card length 100mm B	Für Kartentiefe for card length 160mm B	Für Kartentiefe for card length 220mm B	Für Kartentiefe for card length 280mm B	Gehäusetiefe enclosure depth 19" Desktop* 450mm
22	100,3	ITC221080 □□□	ITC221010 □□□	ITC221016 □□□	ITC221022 □□□	ITC221028 □□□	-
22	160,3	ITC221680 □□□	ITC221610 □□□	ITC221616 □□□	ITC221622 □□□	ITC221628 □□□	-
22	233,8	ITC222380 □□□	ITC222310 □□□	ITC222316 □□□	ITC222322 □□□	ITC222328 □□□	-
22	367,3	ITC223680 □□□	ITC223610 □□□	ITC223616 □□□	ITC223622 □□□	ITC223628 □□□	ITC223645 □□□

ITC 44

Gehäuse-höhe enclosure height	A	Für Kartentiefe for card length 80mm B	Für Kartentiefe for card length 100mm B	Für Kartentiefe for card length 160mm B	Für Kartentiefe for card length 220mm B	Für Kartentiefe for card length 280mm B	Gehäusetiefe enclosure depth 19" Desktop* 450mm
43,8	100,3	ITC441080 □□□	ITC441010 □□□	ITC441016 □□□	ITC441022 □□□	ITC441028 □□□	-
43,8	160,3	ITC441680 □□□	ITC441610 □□□	ITC441616 □□□	ITC441622 □□□	ITC441628 □□□	-
43,8	233,8	ITC442380 □□□	ITC442310 □□□	ITC442316 □□□	ITC442322 □□□	ITC442328 □□□	-
43,8	367,3	ITC443680 □□□	ITC443610 □□□	ITC443616 □□□	ITC443622 □□□	ITC443628 □□□	ITC443645 □□□

ITC 64

Gehäuse-höhe enclosure height	A	Für Kartentiefe for card length 80mm B	Für Kartentiefe for card length 100mm B	Für Kartentiefe for card length 160mm B	Für Kartentiefe for card length 220mm B	Für Kartentiefe for card length 280mm B	Gehäusetiefe enclosure depth 19" Desktop* 450mm
64,4	100,3	ITC641080 □□□	ITC641010 □□□	ITC641016 □□□	ITC641022 □□□	ITC641028 □□□	-
64,4	160,3	ITC641680 □□□	ITC641610 □□□	ITC641616 □□□	ITC641622 □□□	ITC641628 □□□	-
64,4	233,8	ITC642380 □□□	ITC642310 □□□	ITC642316 □□□	ITC642322 □□□	ITC642328 □□□	-
64,4	367,3	ITC643680 □□□	ITC643610 □□□	ITC643616 □□□	ITC643622 □□□	ITC643628 □□□	ITC643645 □□□

ITC 86

Gehäuse-höhe enclosure height	A	Für Kartentiefe for card length 80mm B	Für Kartentiefe for card length 100mm B	Für Kartentiefe for card length 160mm B	Für Kartentiefe for card length 220mm B	Für Kartentiefe for card length 280mm B	Gehäusetiefe enclosure depth 19" Desktop* 450mm
86,4	100,3	ITC861080 □□□	ITC861010 □□□	ITC861016 □□□	ITC861022 □□□	ITC861028 □□□	-
86,4	160,3	ITC861680 □□□	ITC861610 □□□	ITC861616 □□□	ITC861622 □□□	ITC861628 □□□	-
86,4	233,8	ITC862380 □□□	ITC862310 □□□	ITC862316 □□□	ITC862322 □□□	ITC862328 □□□	-
86,4	367,3	ITC863680 □□□	ITC863610 □□□	ITC863616 □□□	ITC863622 □□□	ITC863628 □□□	ITC863645 □□□

*** Für 19" Monitore**

Farbcodierung Seitenprofile:
S= schwarz eloxiert; N= natur eloxiert
B= blau eloxiert

Bei der Ausführung mit schwarzen Seitenprofilen der Best.-Nr. ein "S" anhängen, z.B. ITC221080S

Die Oberflächen der Front-/Rück-/Deckel- und Bodenplatten sind naturfarben eloxiert.

Andere Farben möglich auf Anfrage.
Bei der Ausführung mit EMV-Dichtsatz der Best.-Nr. ein "E" anhängen, z.B. ITC221080NE. Bei der Ausführung mit EMV-Dichtsatz und Kühlkörperprofil der Best.-Nr. ein "E" und "K" anhängen, z.B. ITC221080NEK

*** For 19" Monitors**

color-code side profiles:
S = black anodized; N= natural anodized
B = blue anodized

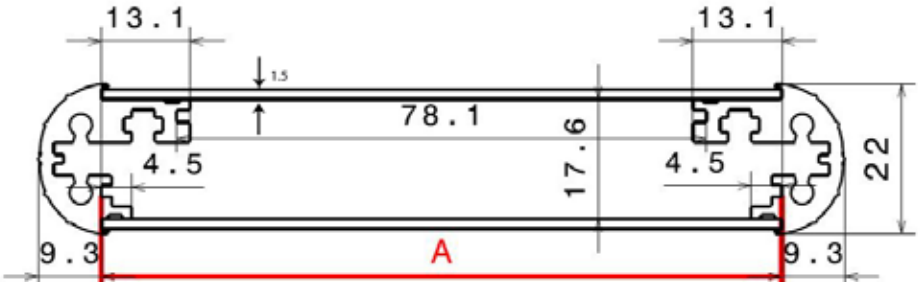
Versions with black side profiles please add to the order no. "S", for example, ITC221080S.

The surfaces of the front / rear / top and bottom panels are natural anodised.

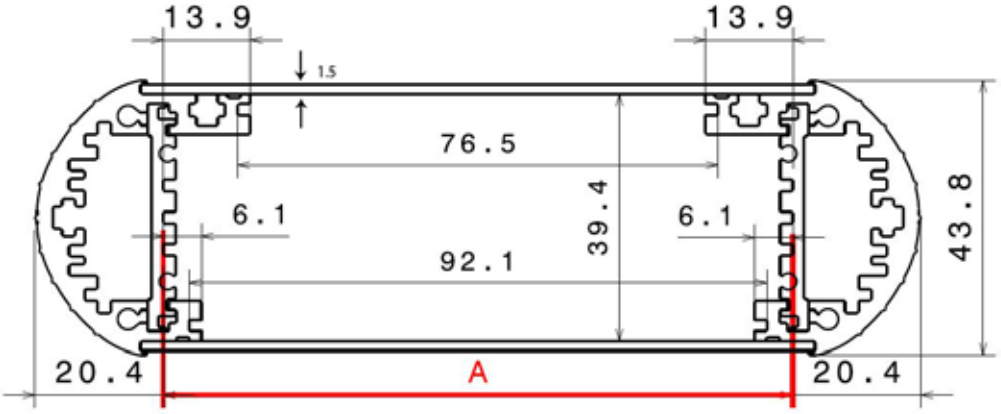
Other colors available on request.
Versions with EMC - seal kit and heat sink profile please add "E" and "K" at the end of the part number, for example ITC221080NEK.

Übersicht ITC — overview ITC

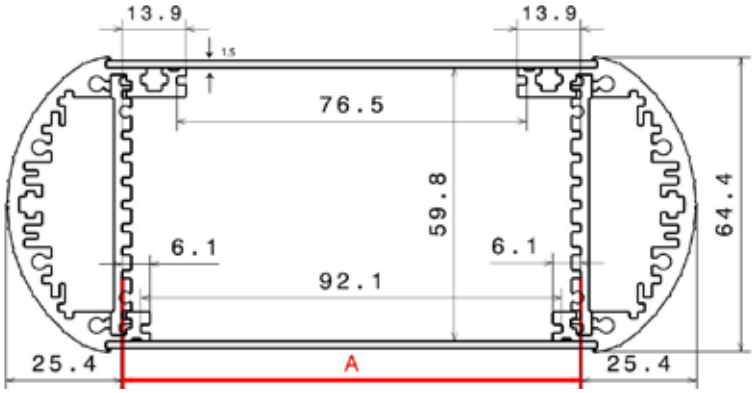
ITC 22



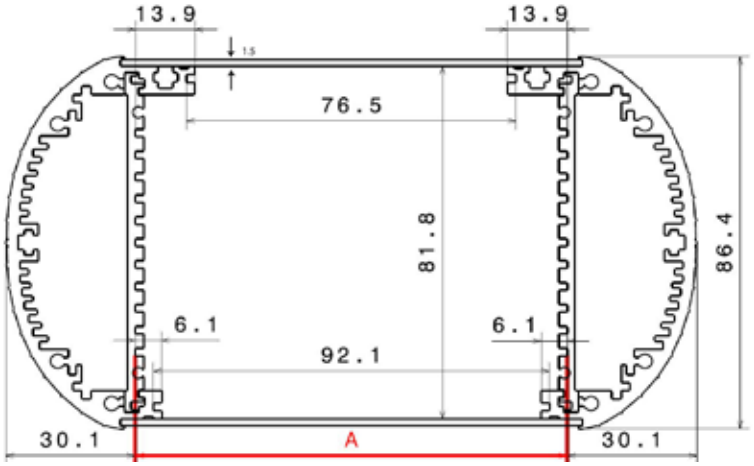
ITC 44



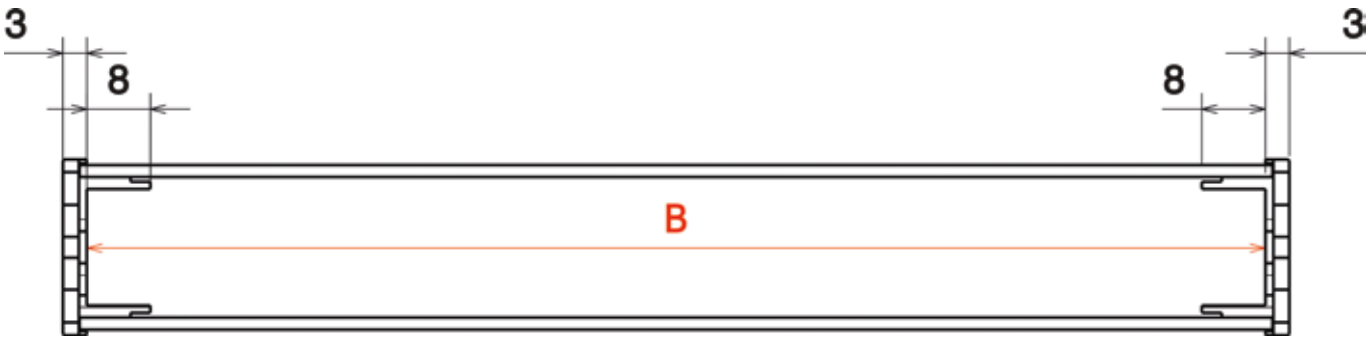
ITC 64



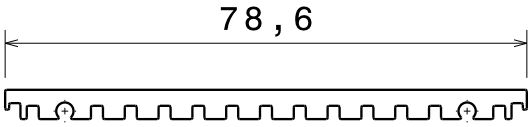
ITC 86

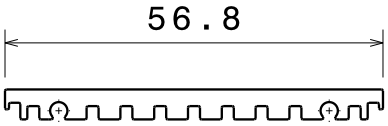


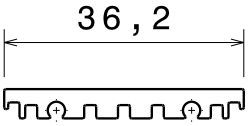
Die Maße unter der Variable A sind geeignet für Leiterkarten nach IEEE-1101-10.
The dimensions of the variable A are suitable for PCBs according to IEEE 1101-10.



Platinenadapter PCB adapter



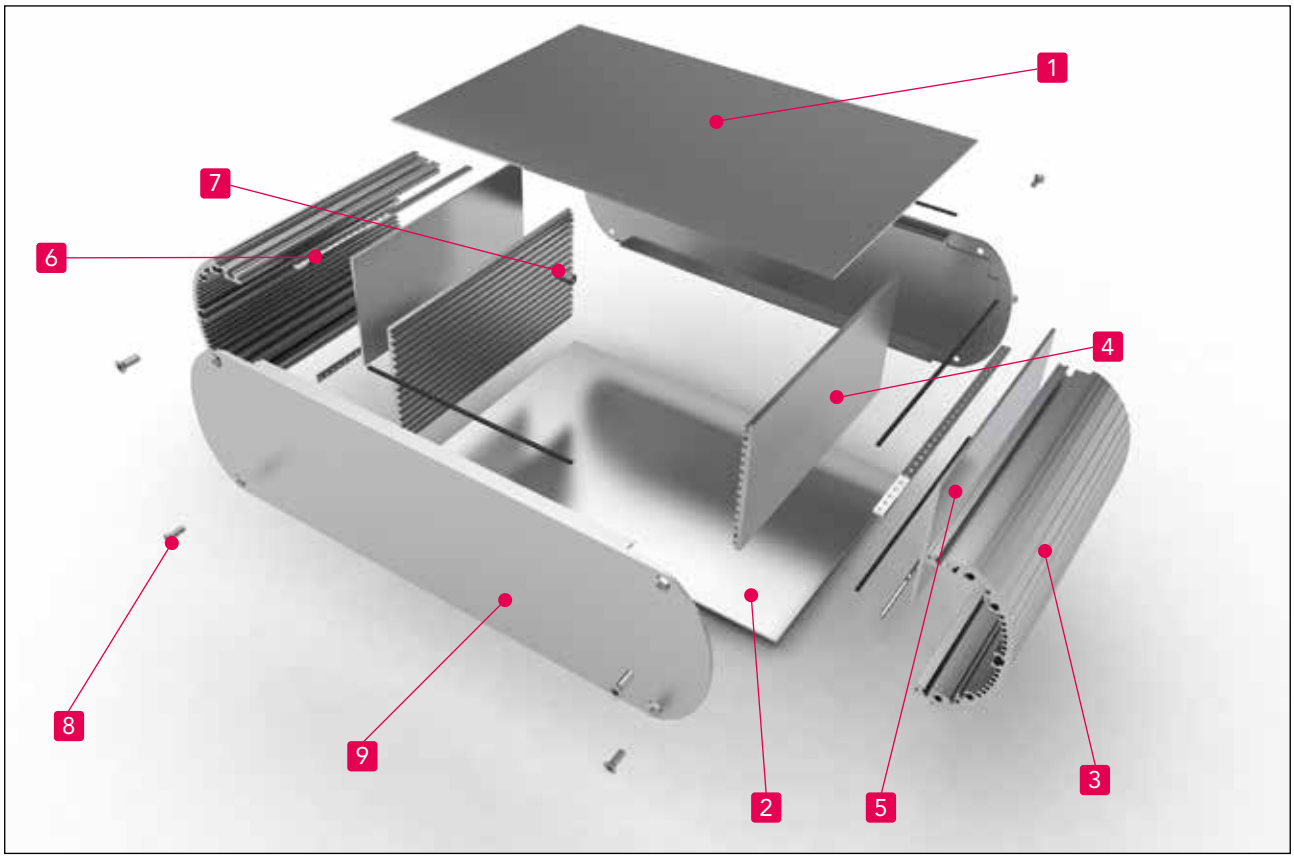




Für Höhe for height	Adapterhöhe adapter height	Tiefe Innen (B) deep inside (B)	Best.-Nr. part no.	Profil profile
43,8 / ITC44	36,2	80	ITC71072	GP2185
43,8 / ITC44	36,2	100	ITC71092	GP2185
43,8 / ITC44	36,2	160	ITC71152	GP2185
43,8 / ITC44	36,2	220	ITC71212	GP2185
43,8 / ITC44	36,2	280	ITC71272	GP2185
43,8 / ITC44	36,2	450	ITC71442	GP2185
64,4 / ITC64	56,8	80	ITC72072	GP2187
64,4 / ITC64	56,8	100	ITC72092	GP2187
64,4 / ITC64	56,8	160	ITC72152	GP2187
64,4 / ITC64	56,8	220	ITC72212	GP2187
64,4 / ITC64	56,8	280	ITC72272	GP2187
64,4 / ITC64	56,8	450	ITC72442	GP2187
86,4 / ITC86	78,6	80	ITC73072	GP2188
86,4 / ITC86	78,6	100	ITC73092	GP2188
86,4 / ITC86	78,6	160	ITC73152	GP2188
86,4 / ITC86	78,6	220	ITC73212	GP2188
86,4 / ITC86	78,6	280	ITC73272	GP2188
86,4 / ITC86	78,6	450	ITC73442	GP2188

Die nutzbare Profiltiefe des Platinenadapters ergibt sich aus dem Parameter B.
The usable profile depth of PCB adapter results from the parameter B

Einzelteile ITC components ITC



Ref. -Nr. ref no.	Bezeichnung part name	Stück pcs	Material	Oberfläche surface treatment	
1	Deckelblech cover sheet	1	Alu t = 1,5mm	natur eloxiert natural anodized	im Lieferumfang enthalten part of delivery
2	Bodenblech bottom sheet	1	Alu t = 1,5mm	natur eloxiert natural anodized	im Lieferumfang enthalten part of delivery
3	Seitenprofil side profile	2	Alu Strangpressprofil alu extrusion profile	natur/schwarz/blau elox. natural/black/blue anod.	im Lieferumfang enthalten part of delivery
4	Adapterprofil adapter profile	2	Alu Strangpressprofil alu extrusion profile	passiviert passivated	auf Anfrage Lieferbar available on request
5	Montageblech mounting plate	2	Alu t = 2mm	passiviert passivated	auf Anfrage Lieferbar available on request
6	Gewindestreifen threaded strips	6	Stahl 5x1,5mm steel 5x1,5mm	verzinkt zinc plated	auf Anfrage Lieferbar available on request
7	Distanzbolzen distance bolts	1	Stahl Steel	verzinkt zinc plated	auf Anfrage Lieferbar available on request
8	Schrauben screw	8	Stahl M3,5 steel M3,5	verzinkt zinc plated	im Lieferumfang enthalten part of delivery
9	Frontplattenprofil front panel profile	2	Alu Strangpressprofil alu extrusion profile	natur eloxiert natural anodized	im Lieferumfang enthalten part of delivery

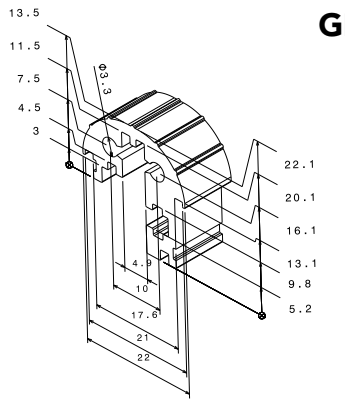
Gehäusebauteile
im Lieferumfang enthalten

Optionale Bauteile
optional auf Anfrage bestellbar

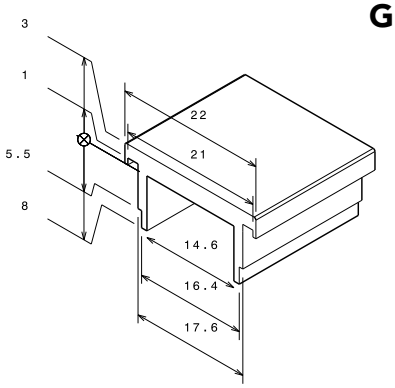
Enclosure components
part of delivery

Optional components
optionally available

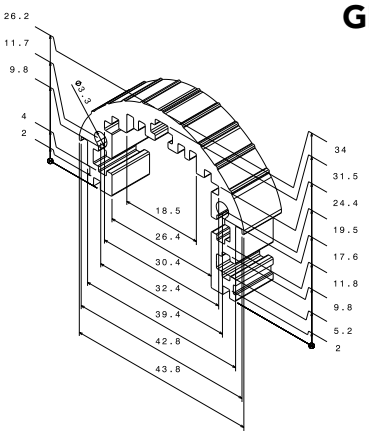
GP2086



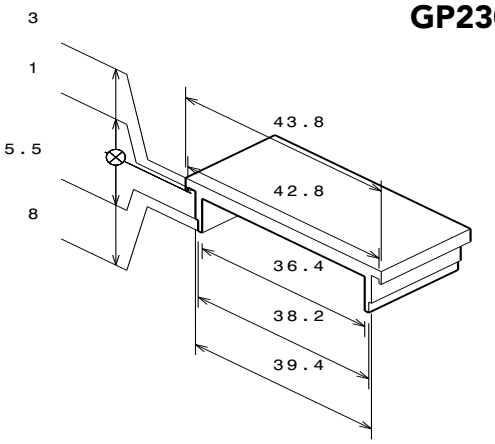
GP2304



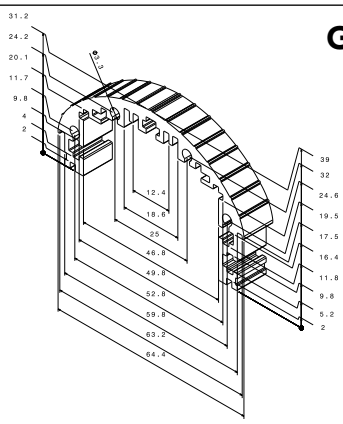
GP2085



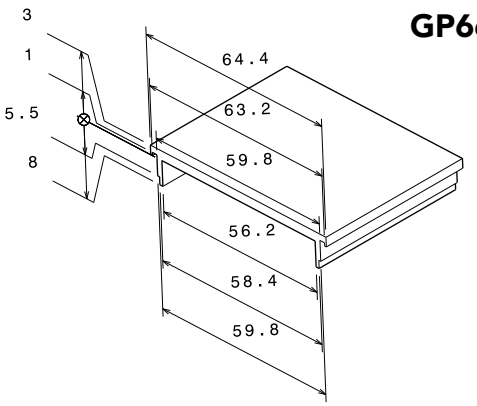
GP2302



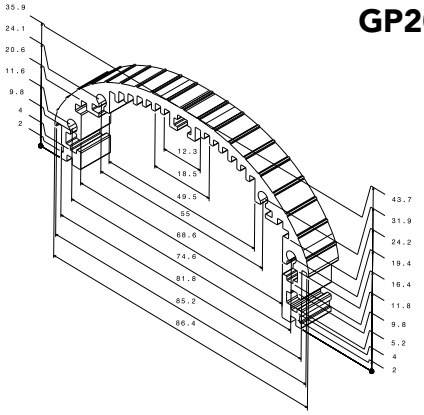
GP2087



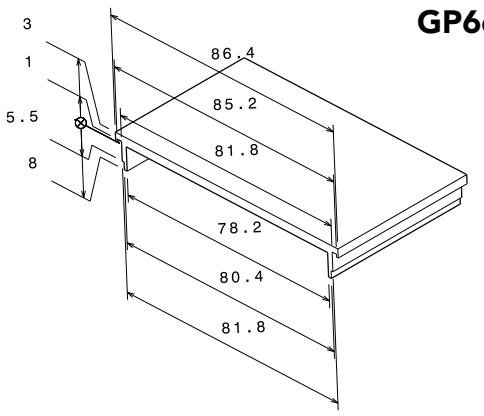
GP6611



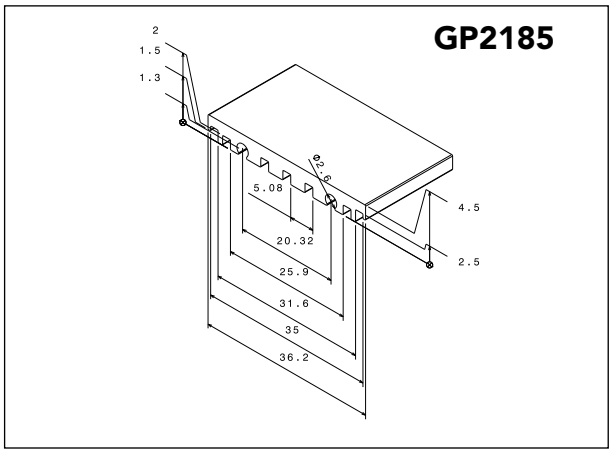
GP2088

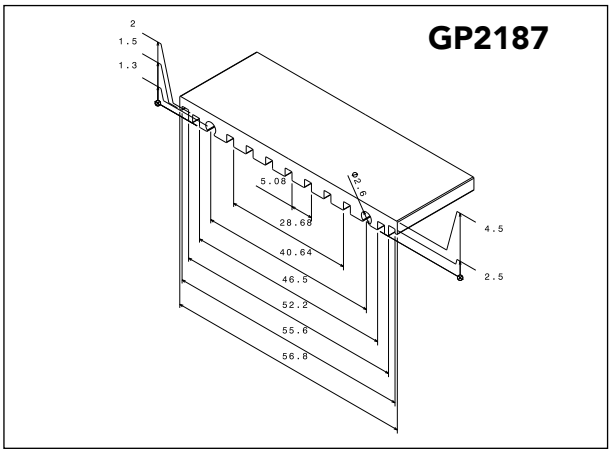


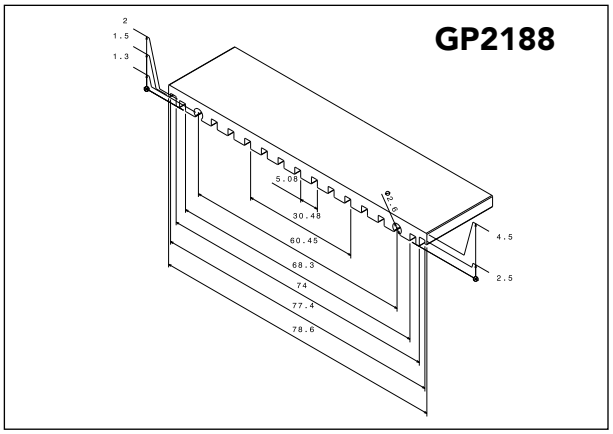
GP6623

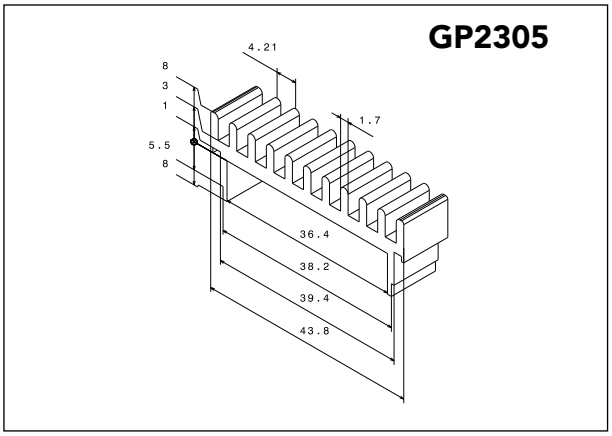


Profilübersicht ITC — profile overview ITC



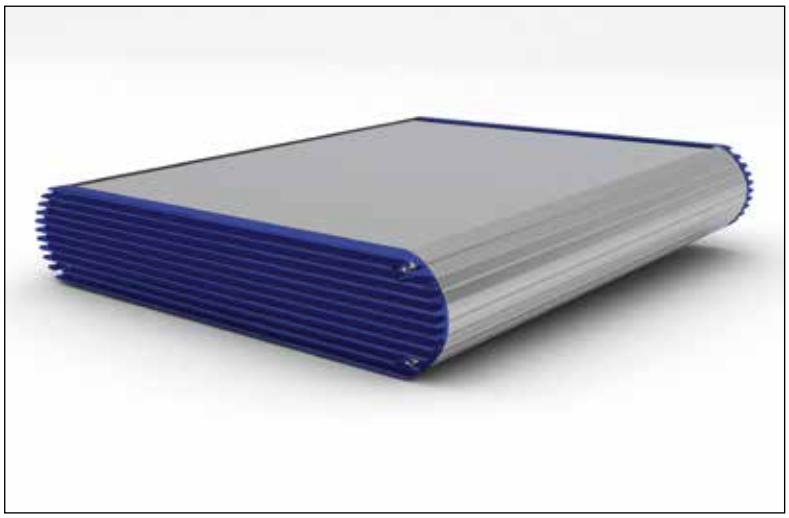






DXF-Dateien auf Anfrage erhältlich.
CAD-Data available on request.

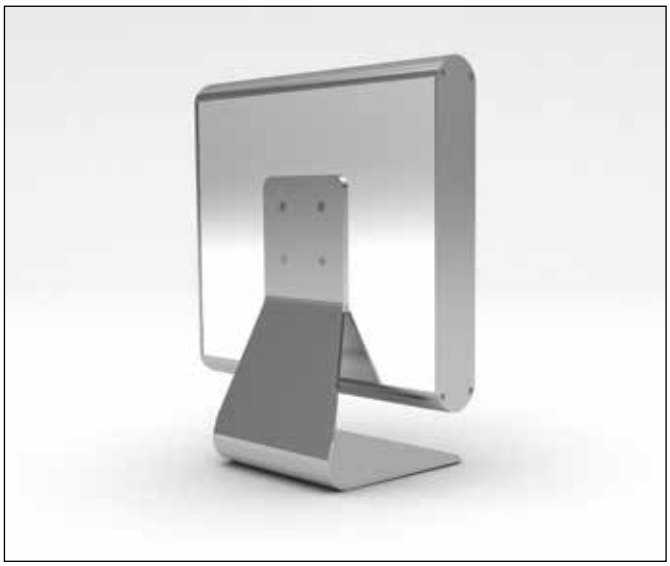
ITC mit Kühlkörperprofil — ITC with heat sink profiles

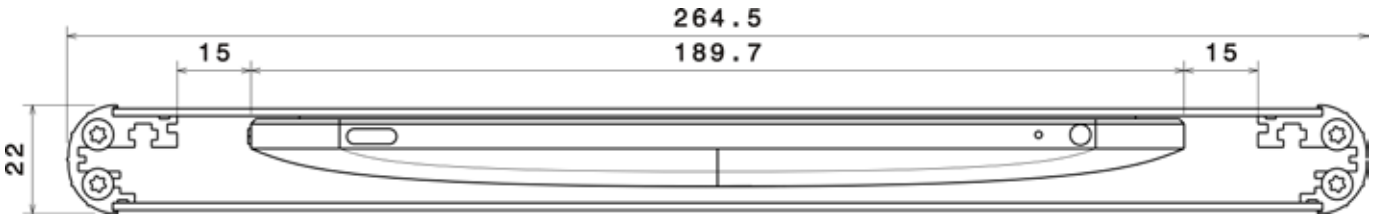


Auch mit Kühlkörperprofil erhältlich.
Also available with heat sink profiles.

ITC mit Standfuß

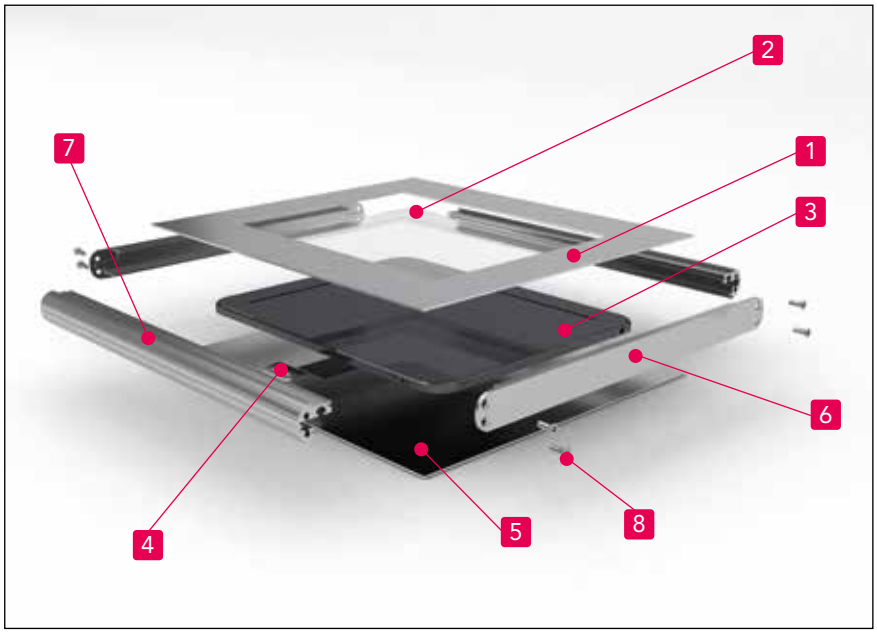
ITC with base





Anwendungsbeispiel ITC application example ITC

Artikelnr. part no.	Höhe (mm) height (mm)	Breite (mm) width (mm)	Tiefe (mm) depth (mm)
ITC222826	22	285	160
ITC442826	44	285	160
ITC642826	64	285	160
ITC862826	86	285	160



Ref. -Nr. ref no.	Bezeichnung part name	Stück pcs	Material	Oberfläche surface treatment
1	Deckelblech cover sheet	1	Alu t=1,5mm	natur eloxiert natural anodized
2	Displayscheibe display screen	1	*AR-Glas *AR-glass	-
3	Touchscreen/Tablet	1	z.B. Ipad	-
4	Tablethalterung tablet holder	1	Alu t=2mm	passiviert passivated
5	Bodenblech bottom plate	1	Alu t=1,5mm	natur eloxiert natural anodized
6	Frontplattenprofil front panel profile	2	Alu Strangpressprofil alu extrusion profile	natur eloxiert natural anodized
7	Seitenprofil side profile	2	Alu Strangpressprofil alu extrusion profile	natur/schwarz/blau eloxiert natural/ black/ blue anodized
8	Schrauben screws	8	Stahl steel	verzinkt zinc plated

- Hochqualitatives Antireflex Displayglas zum Schutz des Tablets mit besonderen Eigenschaften, die eine reibungslose Bedienbarkeit von kapazitiven Eingabesystemen gewährleistet.
- High quality anti reflexion display glass to protect the tablet with special properties for an easy use of capacitive touch-panels.

Optionales Zubehör
WM Wandhalter

optional accessories
WM wall suspension bracket

Serie MTC MTC Series

19-Zoll Gehäuse in modernem Design
19" enclosure with modern design

Die Serie MTC kombiniert die Vorteile eines 19-Zoll Aufbausystems mit einer hohen Funktionalität und modernem Design. Bei der Konstruktion standen neben dem Design, höchste Anforderungen an EMV-Verträglichkeit und die Montagefreundlichkeit im Vordergrund. Besonderes Highlight ist die ½ HE–Version für Anwendungen mit sehr geringer Einbauhöhe.

Highlights im Überblick:
- Sondergrößen von ½ HE, 1HE, 1.5HE und 2 HE als Standard verfügbar
- Oberfläche außen eloxiert – Innenfläche RoHS-konform passiviert
- Hohe Montagefreundlichkeit
- Sehr gute EMV-Dämpfungseigenschaften durch elektrisch leitende Oberflächen
- Hohe Stabilität durch Profilfrontplatten und strang gepressten Seitenteilen
- Platinenadapter für genormte Leiterplatten als Option erhältlich
- 6 Standardtiefen von 140mm bis 600mm
- Individuelle Bearbeitung und Bedruckung durch uns auch im Expressdienst
- Wirtschaftlich auch bei großen Serien

Ausführung:
Front-, Rückplatte und Seitenprofile aus Aluminiumprofilen. Gehäuseabdeckung aus 1,5 mm Aluminiumblech.

Anwendung:
Zum Einbau in 19-Zoll-Schränke geeignet. Desktop-Variante siehe Serie ITC.

Oberfläche:
Die Außenflächen sind dekorativ naturfarbig eloxiert. Alle Innenflächen sind elektrisch leitfähig farblos passiviert. Andere Oberflächenausführungen auf Anfrage.

Lieferform:
Die Gehäuse werden zerlegt geliefert inkl. aller Befestigungselemente. Kundenspezifische Lösungen: Gerne bieten wir Ihnen das Gehäuse inkl. einer Bearbeitung und Bedruckung an.

The series MTC combines the advantages of a 19" rack-system with high functionality and modern design. This enclosure combines best properties regarding EMC- protection and assembling. A special highlight is the ½ U – version for applications with low heights.

Highlights overview:
- Sizes from ½ U, 1U, 1.5 U and 2U as standard available
- Surfaces outside anodized – inside RoHS-compliant passivated
- Easy to assemble
- Very good EMC-properties due to electrically conductive surfaces
- High stability because of extruded profile-frontpanels and side walls
- PCB adapter for standardized PCBs as an option are available
- 6 standard depths from 140mm up to 600mm,
- Customized machining and printing also with our Express-Service
- Economically, even for high volumes

Features:
Front-, rear- and side-profiles made of aluminium extrusions. Covers made of 1.5mm aluminium sheet.

Applications:
Installation in 19-inch cabinets. For desktop versions please look at Series ITC.

Surface:
Exterior surfaces are natural anodized; interior surfaces are passivated conforming to RoHS. Other surface treatments on request.

Delivery form:
Disassembled including all fasteners. Customizing: Please send us your request. We are able to produce your customized solution with cut-outs and printing in an economic way.

Serie MTC — Series MTC

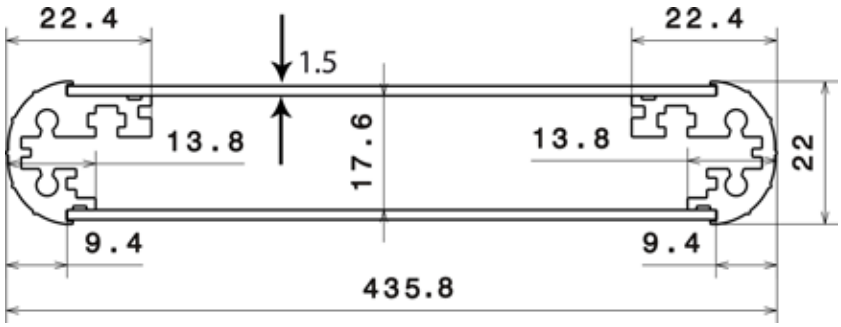
	Höhe height	Tiefe Innen depth inside	Best.-Nr. ohne Frontgriffe part no. without front handles	Best.-Nr. mit Frontgriffe part no. with front handles
	0,5HE (22mm) Innenhöhe inside height 17,6mm	140mm	MTC48601	-
		205mm	MTC48602	-
		260mm	MTC48603	-
		360mm	MTC48604	-
		450mm	MTC48605	-
		600mm	MTC48606	-
	1HE (43,8mm) Innenhöhe inside height 39,4mm	140mm	MTC48610	MTC48610G
		205mm	MTC48611	MTC48611G
		260mm	MTC48612	MTC48612G
		360mm	MTC48613	MTC48613G
		450mm	MTC48614	MTC48614G
		600mm	MTC48615	MTC48615G
	1,5HE (66,1mm) Innenhöhe inside height 59,8mm	140mm	MTC48620	MTC48620G
		205mm	MTC48621	MTC48621G
		260mm	MTC48622	MTC48622G
		360mm	MTC48623	MTC48623G
		450mm	MTC48624	MTC48624G
		600mm	MTC48625	MTC48625G
	2HE (88,1mm) Innenhöhe inside height 81,8mm	140mm	MTC48630	MTC48630G
		205mm	MTC48631	MTC48631G
		260mm	MTC48632	MTC48632G
		360mm	MTC48633	MTC48633G
		450mm	MTC48634	MTC48634G
		600mm	MTC48635	MTC48635G

MTC Platinenadapter — MTC PCB adapter

Für Höhe for height	Adapterhöhe adapter height	Tiefe Innen depth inside	Best.-Nr. part no.	Profil profile
1HE	36,2	140mm	MTC95140	GP2185
1HE	36,2	205mm	MTC95205	GP2185
1HE	36,2	260mm	MTC95260	GP2185
1HE	36,2	360mm	MTC95360	GP2185
1HE	36,2	450mm	MTC95450	GP2185
1HE	36,2	600mm	MTC95600	GP2185
1,5HE	56,8	140mm	MTC96140	GP2187
1,5HE	56,8	205mm	MTC96205	GP2187
1,5HE	56,8	260mm	MTC96260	GP2187
1,5HE	56,8	360mm	MTC96360	GP2187
1,5HE	56,8	450mm	MTC96450	GP2187
1,5HE	56,8	600mm	MTC96600	GP2187
2HE	78,6	140mm	MTC97140	GP2188
2HE	78,6	205mm	MTC97205	GP2188
2HE	78,6	260mm	MTC97260	GP2188
2HE	78,6	360mm	MTC97360	GP2188
2HE	78,6	450mm	MTC97450	GP2188
2HE	78,6	600mm	MTC97600	GP2188

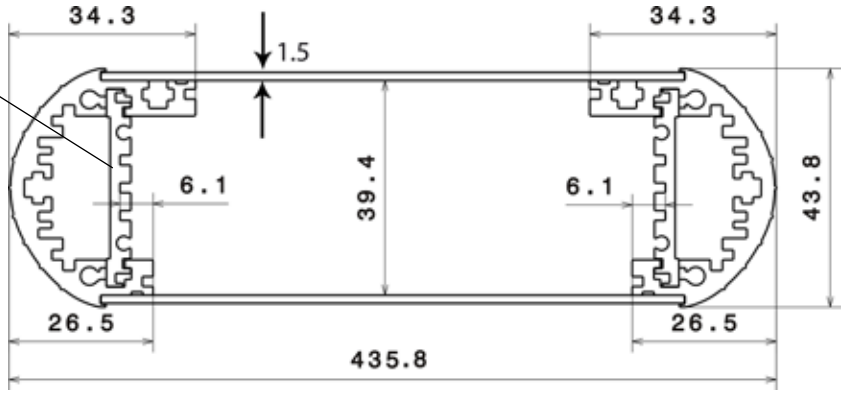
Optional erhältlich
Optionally available

MTC 0,5 HE



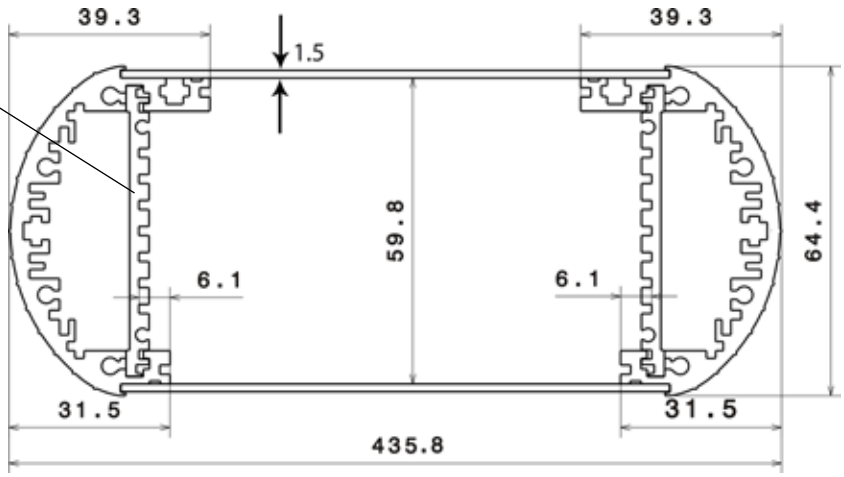
Platinenadapter
PCB

MTC 1,0 HE



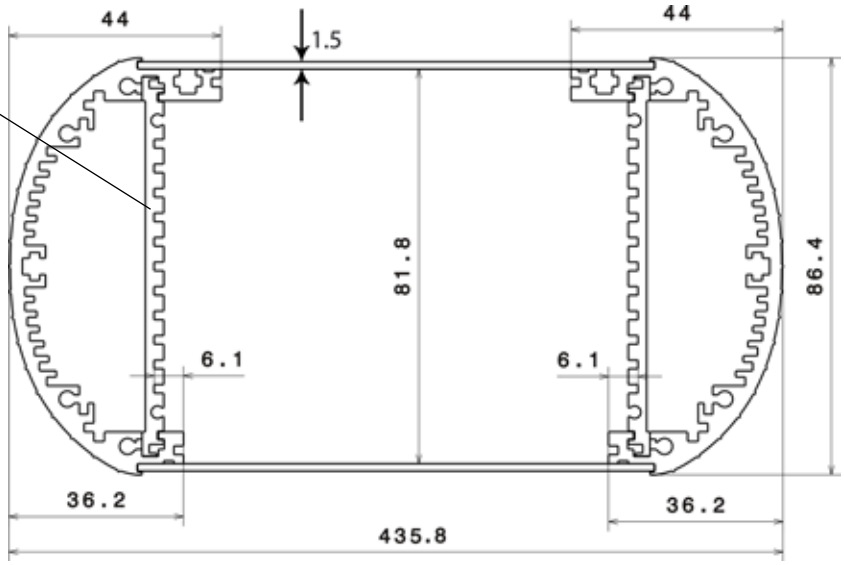
Platinenadapter
PCB

MTC 1,5 HE



Platinenadapter
PCB

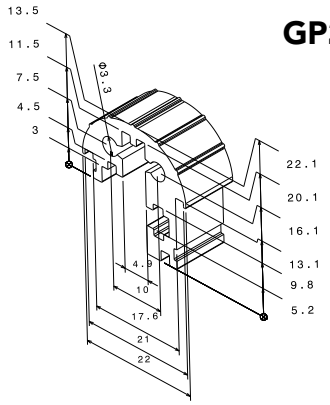
MTC 2,0 HE



Profilübersicht MTC

profile overview MTC

GP2086



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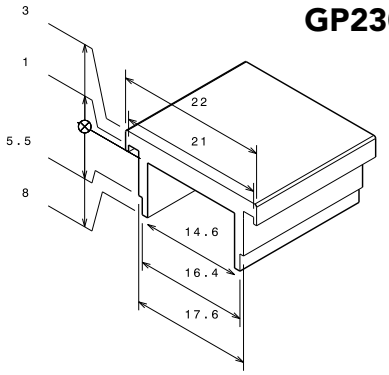

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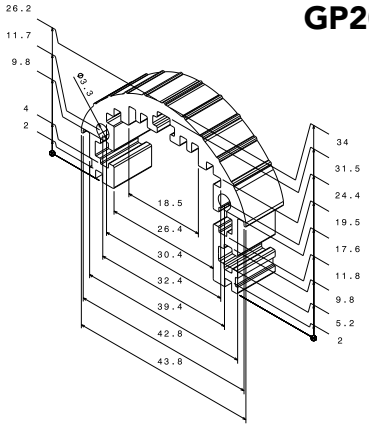

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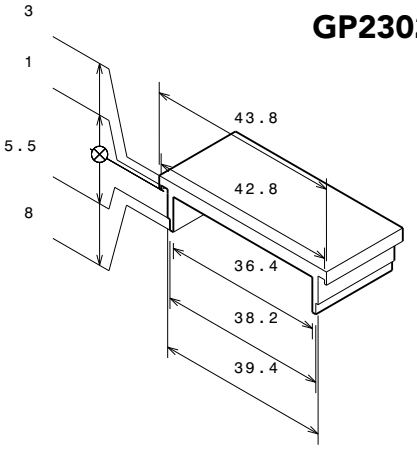

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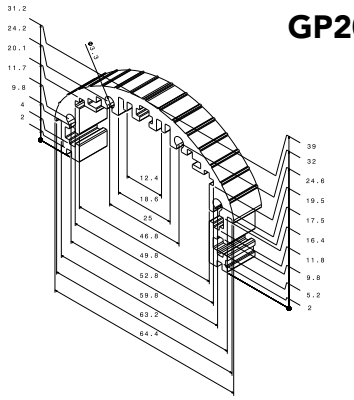

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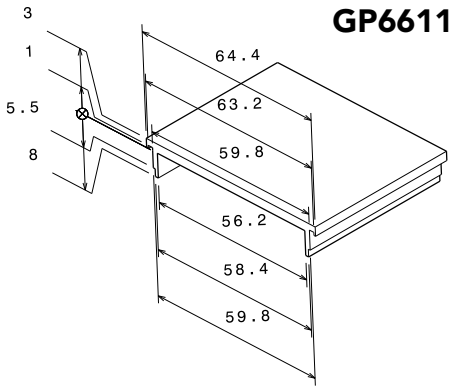

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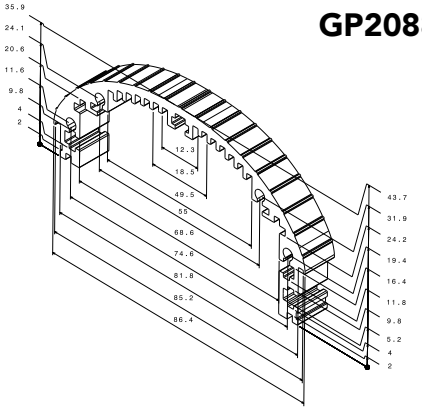

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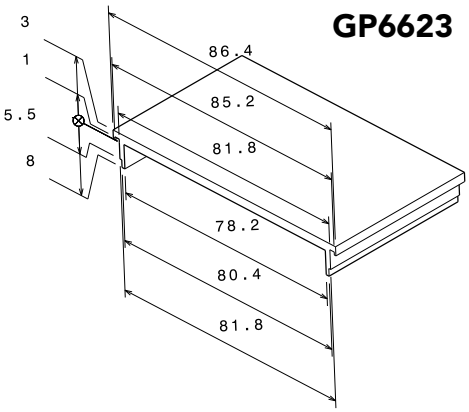
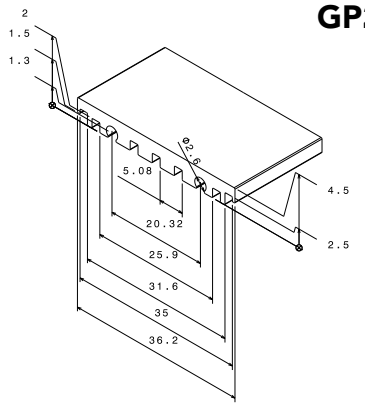


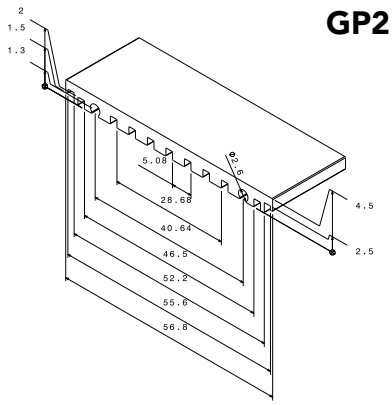
Profilübersicht MTC

profile overview MTC

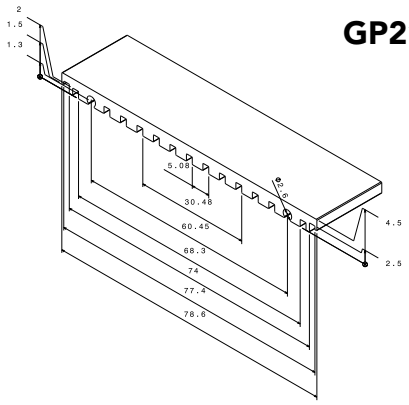
GP2185



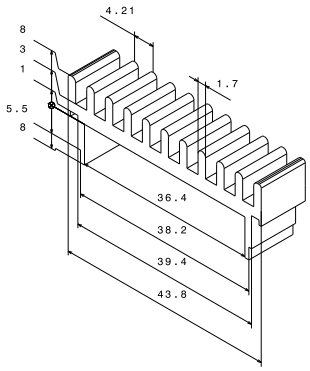
GP2187



GP2188



GP2305



Notizen / Notice

Serie NTG

NTG Series

Profilgehäuse Serie NTG

Die Profilgehäuse-Serie NTG besteht aus Seitenprofilen mit integrierten Führungsnuten zur Aufnahme von ungenormten Bauteilen, Montageplatten oder Leiterkarten. Durch den einfachen Aufbau können mit einer kurzen Reaktionszeit kundenspezifische Lösungen realisiert werden.

Die 1.5mm Aluminium-Deckbleche ermöglichen die Integration von Frontfolien oder Folientastaturen. Die ebenen Frontprofile sind sehr gut zur Aufnahme von Steckverbindern oder anderen Bauteilen geeignet.

Ausführung:
Front-, Rück- und Seitenwände aus Aluminiumprofilen. Deckel- und Bodenblech aus 1.5mm Aluminiumblech.

Anwendung:
Das Profilgehäuse ist sehr gut zur Aufnahme von ungenormten Bauteilen und Leiterplatten geeignet.

Oberfläche:
Die Oberflächen sind naturfarbig oder schwarz eloxiert. Andere Farben auf Anfrage.

Lieferform:
Die Gehäuse werden zerlegt geliefert inkl. aller Befestigungselemente.

Kundenspezifische Lösungen:
Gerne bieten wir Ihnen das Gehäuse auch inkl. einer Bearbeitung und Bedruckung an.

Profile enclosure series NTG

The profile - enclosure series NTG consists of side profiles with integrated guiding grooves for installation of non standard components, mounting plates or PCBs. Due to the easy design we are able to realize customized solutions within short delivery time.

The 1.5mm aluminium-covers allow the integration of front-foils or membrane-keypads. The flat front-profiles are suitable for mounting connectors or other components.

Features:
Front-, rear- and side-panels are made of aluminium extrusions. The Cover plates are made of 1.5mm aluminium sheet.

Applications:
The profil-enclosure is suitable for the integration of non standard components and PCBs.

Surface:
The surfaces are natural or black anodized. Other colors are avaiable on request.

Delivery form:
Disassembled, incl. all fasteners.

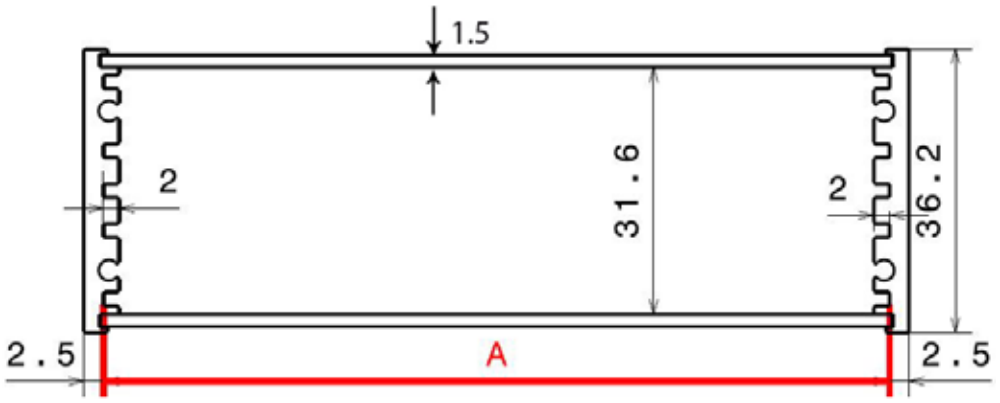
Customizing:
Please send us your request:
We are able to produce your customized solution with cut-outs and printing in an economic way.

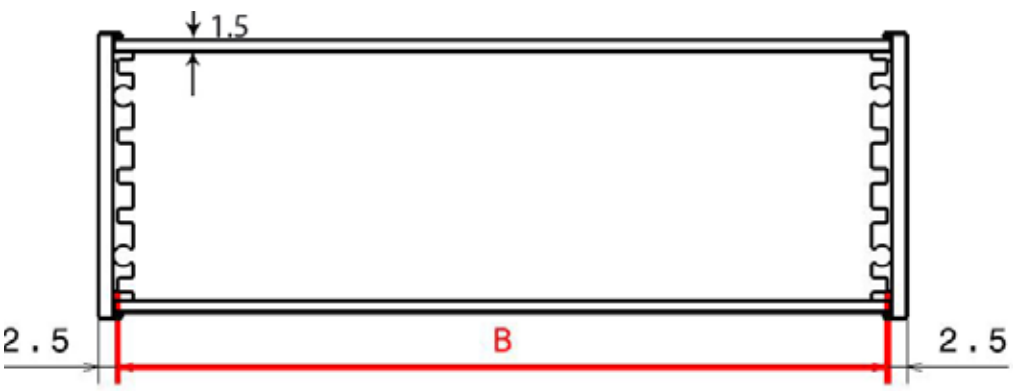
Serie NTG — NTG Series

Gehäusehöhe enclosure height	A	Für Kartentiefe for card size 80mm B	Für Kartentiefe for card size 100mm B	Für Kartentiefe for card size 160mm B	Für Kartentiefe for card size 220mm B	Für Kartentiefe for card size 280mm B
36,2	100	NTG361080□	NTG361010□	NTG361016□	NTG361022□	NTG361028□
36,2	160	NTG361680□	NTG361610□	NTG361616□	NTG361622□	NTG361628□
36,2	233,35 (6HE)	NTG362380□	NTG362310□	NTG362316□	NTG362322□	NTG362328□
36,2	366,7 (9HE)	NTG363680□	NTG363610□	NTG363616□	NTG363622□	NTG363628□

Farbcodierung:
Bei der Ausführung in schwarz eloxiert der Best.-Nr. "S" anhängen, für naturfarbig eloxiert "N"
S= schwarz eloxiert
N= natur eloxiert

color-code:
For black anodized surfaces add to the order no. "S". For natural anodized surfaces "N"
S = black anodized
N= natural anodized





Gehäusehöhe enclosure height	A	Für Kartentiefe for card size 80mm B	Für Kartentiefe for card size 100mm B	Für Kartentiefe for card size 160mm B	Für Kartentiefe for card size 220mm B	Für Kartentiefe for card size 280mm B
56,8	100	NTG571080□	NTG571010□	NTG571016□	NTG571022□	NTG571028□
56,8	160	NTG571680□	NTG571610□	NTG571616□	NTG571622□	NTG571628□
56,8	233,35 (6HE)	NTG572380□	NTG572310□	NTG572316□	NTG572322□	NTG572328□
56,8	366,7 (9HE)	NTG573680□	NTG573610□	NTG573616□	NTG573622□	NTG573628□

Farbcodierung:
Bei der Ausführung in schwarz eloxiert der Best.-Nr. "S" anhängen, für naturfarbig eloxiert "N"
S= schwarz eloxiert
N= natur eloxiert

color-code:
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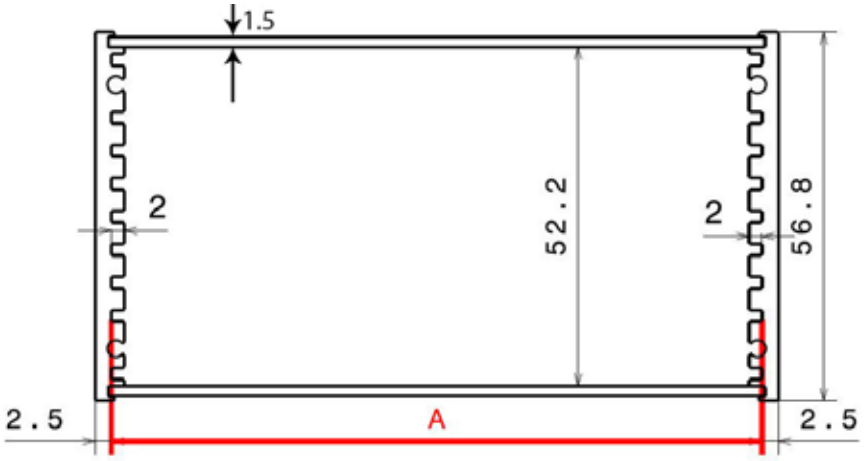
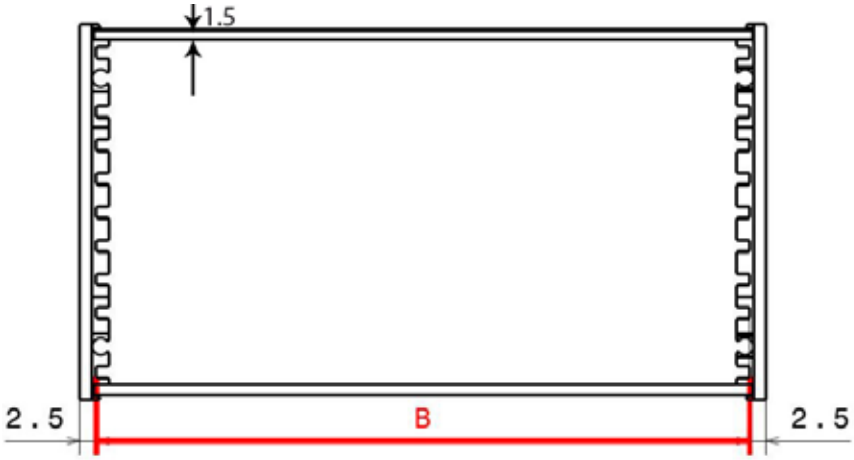
S = black anodized
N= natural anodized



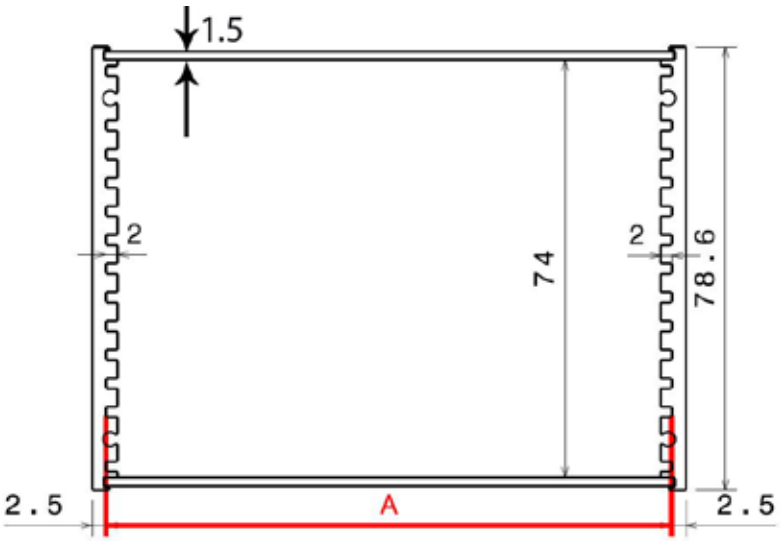


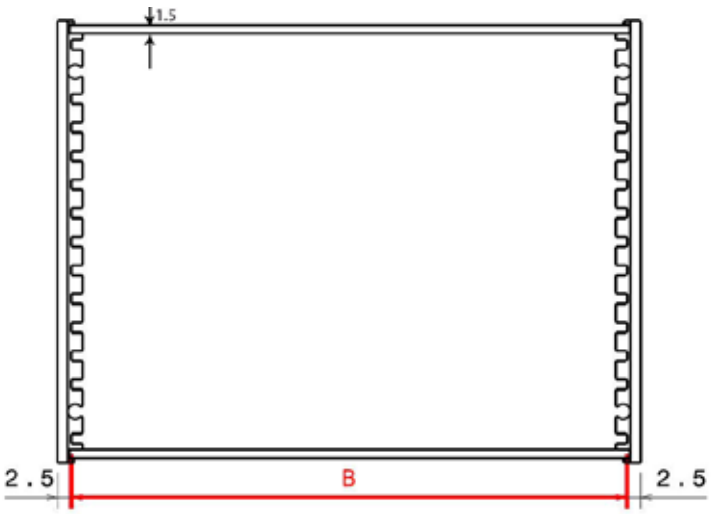
Serie NTG — NTG Series

Gehäusehöhe enclosure height	A	Für Kartentiefe for card size 80mm B	Für Kartentiefe for card size 100mm B	Für Kartentiefe for card size 160mm B	Für Kartentiefe for card size 220mm B	Für Kartentiefe for card size 280mm B
78,6	100	NTG791080 □	NTG791010 □	NTG791016 □	NTG791022 □	NTG791028 □
78,6	160	NTG791680 □	NTG791610 □	NTG791616 □	NTG791622 □	NTG791628 □
78,6	233,35 (6HE)	NTG792380 □	NTG792310 □	NTG792316 □	NTG792322 □	NTG792328 □
78,6	366,7 (9HE)	NTG793680 □	NTG793610 □	NTG793616 □	NTG793622 □	NTG793628 □

Farbcodierung:
Bei der Ausführung in schwarz eloxiert der Best.-Nr. "S" anhängen, für naturfarbig eloxiert "N"
S= schwarz eloxiert
N= natur eloxiert

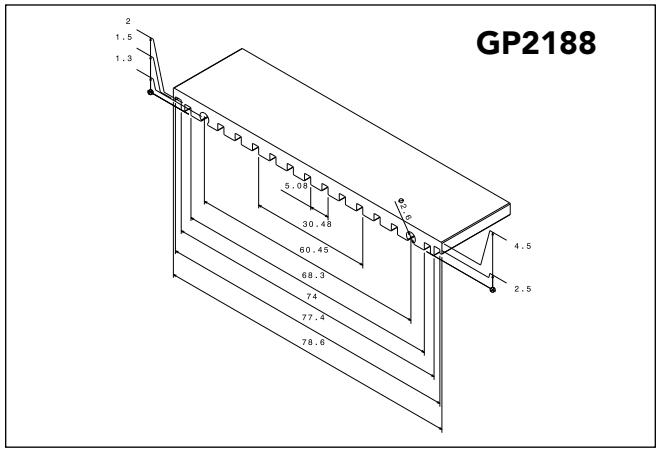
color-code:
For black anodized surfaces add to the order no. "S". For natural anodized surfaces "N"
S = black anodized
N= natural anodized

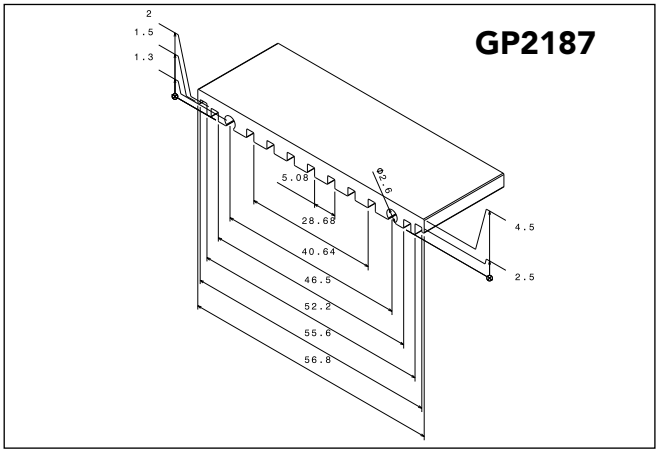


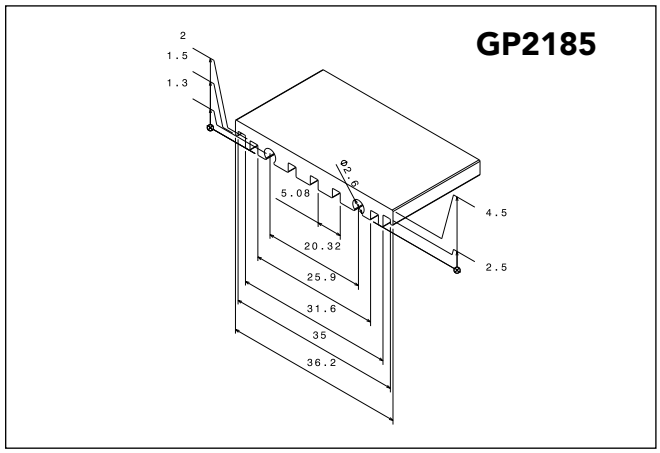


Profilübersicht NTG

profile overview NTG







Gehäuse Serie MGS-superior

modular case series MGS-superior

Die flexible Gehäuseserie als 19-Zoll-Volleinschub oder Desktop-Ausführung.

Dies Entwicklung der Gehäuseserie MGS-superior ist die konsequente Weiterentwicklung unserer seit über 20 Jahren sehr erfolgreichen Serie MGC-classic.

Höchste Anforderungen an EMV-Verträglichkeit, Montagefreundlichkeit, geringes Gewicht und ein fast „schraubenloses" Design werden von der neuen Serie MGS in exzellenter Weise erfüllt – Als 19-Zoll Volleinschub oder als Desktop Variante mit variabler Breite und Tiefe.

Die Highlights im Überblick:

- Nur vier Schrauben bei 1-HE 19-Zoll Variante; 8 Schrauben bei 2 HE und 3 HE; 16 Schrauben bei 4 HE mit gesteckten Boden- und Deckelblechen.
- Schutzart IP40, IP54 mit EMV-Dichtungen.
- EMV-Dichtungsssatz als Option.
- Stranggepresste Frontplatte, Rückplatte und Seitenprofile höchster Präzision an der Grenze des technisch Machbaren.
- Höhen von 1 HE bis 4 HE; 6 Standard-Tiefen von 140 mm bis 600 mm. Sonderbreiten und -tiefen auf Anfrage möglich.
- Oberfläche außen natur eloxiert, Innenflächen leitend RoHS-konform passiviert.
- Farbige seitliche Dekorblenden.
- Sonderausführung ohne sichtbare Schrauben vorne
- Montageplatten senkrecht und waagerecht.
- Individuelle Bearbeitung durch uns auch im Expressdienst.
- Wirtschaftlich auch bei großen Serien.

The flexible case series as a 19-inch plug-in box or desktop version.

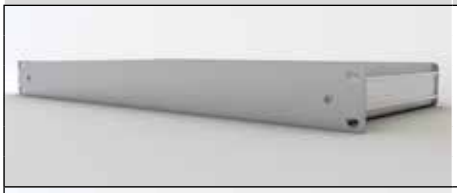
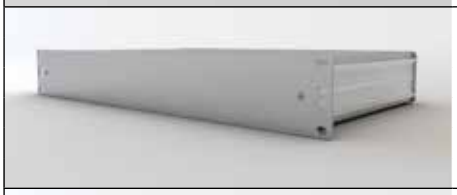
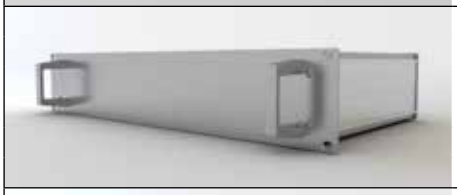
The developmend of the series MGS superior is the improvement of our series MGC-classic, which is very successful since over twenty years.

The highest standards of electromagnetic compatibility, ease of installation, light weight and almost a „screwless" design are met by the new MGS series in an excellent manner - Available as 19-inch plug-in box or desktop version with variable width and d epth.

Overview highlights:

- Only four screws in 1U 19-inch version; 8 screws in 2U and 3U; 16 screws at 4 U, plugged-in cover plates.
- Degree of IP protection IP40, IP54 with EMC gaskets.
- EMC gasket set as an option.
- Extruded front panel, rear panel and side profiles in the highest precision at the limit of technical feasibility.
- Heights from 1U to 4U; 6 standard depths from 140 mm to 600 mm; Special widths and depths available on request.
- Surface outside natural anodized, passivated conductive internal surfaces, RoHS compliant.
- Colored sides with decor panels.
- Special design without visible screws on the front.
- Mounting plates vertically and horizontally.
- Individual processing by ourselves in express service.
- Economically even in large series.

MGS-superior

	MGS Höhe in HE MGS height in U	Tiefe innen depth inside	Best.Nr. 19-Zoll Voll-einschub part no. 19-inch with plug-in box	Best.Nr. 436 mm Breite part no. 436 mm width	Best.Nr. 217 mm Breite part no. 217 mm width
	1HE (43,8mm) Innenhöhe inside height (39,4mm)	140 mm	MGS48610	MGS43610	MGS21710
		205 mm	MGS48611	MGS43611	MGS21711
		260 mm	MGS48612	MGS43612	MGS21712
		360 mm	MGS48613	MGS43613	MGS21713
		450 mm	MGS48614	MGS43614	MGS21714
		600 mm	MGS48615	MGS43615	MGS21715
	1,5 HE (66,1mm) Innenhöhe inside height (59,8mm)	140 mm	MGS48650	MGS43650	MGS21750
		205 mm	MGS48651	MGS43651	MGS21751
		260 mm	MGS48652	MGS43652	MGS21752
		360 mm	MGS48653	MGS43653	MGS21753
		450 mm	MGS48654	MGS43654	MGS21754
		600 mm	MGS48655	MGS43655	MGS21755
	2 HE (88,1mm) Innenhöhe inside height (81,4mm)	140 mm	MGS48620	MGS43620	MGS21720
		205 mm	MGS48621	MGS43621	MGS21721
		260 mm	MGS48622	MGS43622	MGS21722
		360 mm	MGS48623	MGS43623	MGS21723
		450 mm	MGS48624	MGS43624	MGS21724
		600 mm	MGS48625	MGS43625	MGS21725
	3 HE (132,5mm) Innenhöhe inside height (126,2mm)	140 mm	MGS48630	MGS43630	MGS21730
		205 mm	MGS48631	MGS43631	MGS21731
		260 mm	MGS48632	MGS43632	MGS21732
		360 mm	MGS48633	MGS43633	MGS21733
		450 mm	MGS48634	MGS43634	MGS21734
		600 mm	MGS48635	MGS43635	MGS21735
	4 HE (177,2mm) Innenhöhe inside height (168,3mm)	140 mm	MGS48640	MGS43640	MGS21740
		205 mm	MGS48641	MGS43641	MGS21741
		260 mm	MGS48642	MGS43642	MGS21742
		360 mm	MGS48643	MGS43643	MGS21743
		450 mm	MGS48644	MGS43644	MGS21744
		600 mm	MGS48645	MGS43645	MGS21745

- Bei Ausführung mit Frontgriffen der Best.-Nr. ein G anhängen. Verwendet wird unsere Griffserie BGQxxxN (nur bei 19" Gehäusen).
- Bei Ausführung mit EMV-Dichtsatz der Best.-Nr. ein E anhängen.
- Andere Tiefen auf Anfrage.
- Deckel und Bodenbleche auch in farbig lackiert lieferbar (Mindestmenge 50 Stück).
- Alle Innenflächen sind elektrisch leitend passiviert (RoHS-konform).

- Please add „G" for versions with front handles. Our handle series BGQxxxN is used (only for 19" Enclosures).
- For version with EMC gasket set, please add „E" to the order number.
- Other depths are available on request.
- Top and bottom plates are also avialable with color painted suface (Minimum quantity 50 pieces).
- All interior surfaces are passivated and electrically conductive (RoHS-compliant).

Gehäusebreite / Enclosure width	nutzbare Innenbreite / usable width
19 Zoll / 19"	421,6mm
436mm	421,6mm
217mm	203,2mm

MGS-superior

MGS-superior

Dekorblenden aus eloxiertem Aluminium
decor panels of anodized aluminium

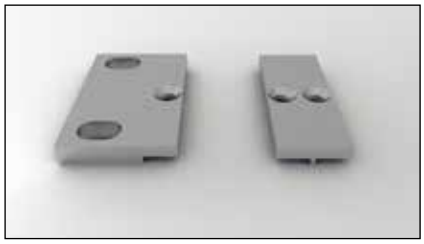
Länge length	Best.-Nr.1 HE part no. 1 U	Best.-Nr. 1.5 HE part no. 1.5 U	Best.-Nr. 2 HE part no. 2 U	Best.-Nr. 3 HE part no. 3 U
140 mm	MGS13140	MGS23140	MGS33140	MGS43140
205 mm	MGS13205	MGS23205	MGS33205	MGS43205
260 mm	MGS13260	MGS23260	MGS33260	MGS43260
360 mm	MGS13360	MGS23360	MGS33360	MGS43360
450 mm	MGS13450	MGS23450	MGS33450	MGS43450
600 mm	MGS13600	MGS23600	MGS33600	MGS43600

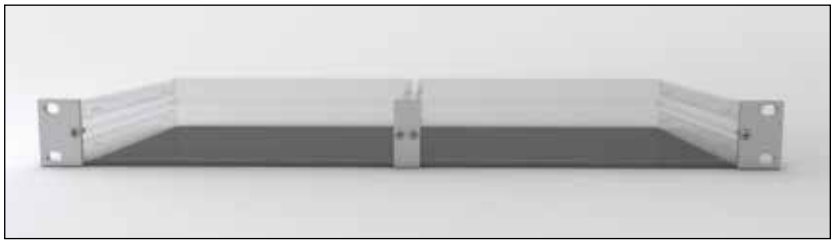
- Für schwarz eloxiert der Best.-Nr. ein S anhängen.
- Für natur eloxiert der Best.-Nr. ein N anhängen.
- Andere Farben auf Anfrage.

- For black anodized decor panel please add „S".
- For natural anodized decor panel please add „N".
- Other colors on request.

19"-Adapter und Zwischenstücke

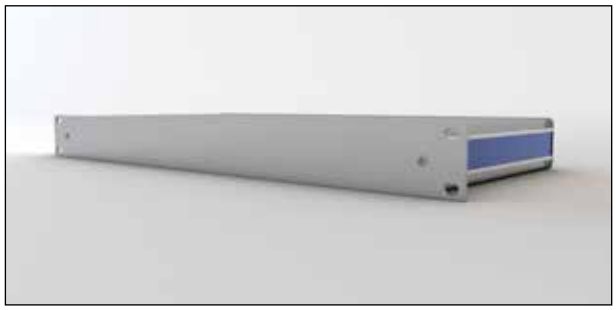
19"-adapters and intermediate pieces



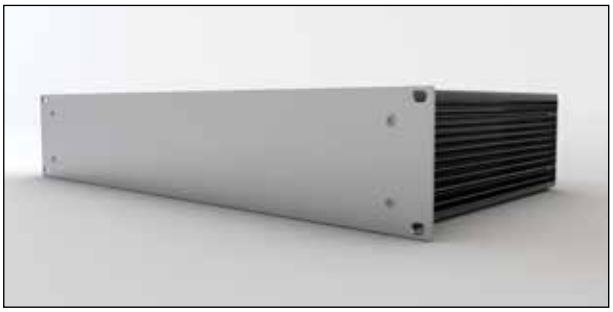


Best.-Nr part no.	Beschreibung part name	Höhe in HE height in U	VPE
MGS14010	19 Zoll Adapter 19 inch adapters	1HE	2
MGS14050	19 Zoll Adapter 19 inch adapters	1.5HE	2
MGS14020	19 Zoll Adapter 19 inch adapters	2HE	2
MGS14030	19 Zoll Adapter 19 inch adapters	3HE	2
MGS14040	19 Zoll Adapter 19 inch adapters	4HE	2
MGS15010	Zwischenstück intermediate piece	1HE	2
MGS15050	Zwischenstück intermediate piece	1.5HE	2
MGS15020	Zwischenstück intermediate piece	2HE	2
MGS15030	Zwischenstück intermediate piece	3HE	2
MGS15040	Zwischenstück intermediate piece	4HE	2

MGSI Tischgehäuse mit Kühlrippen
MGSI desktop enclosure with cooling fins

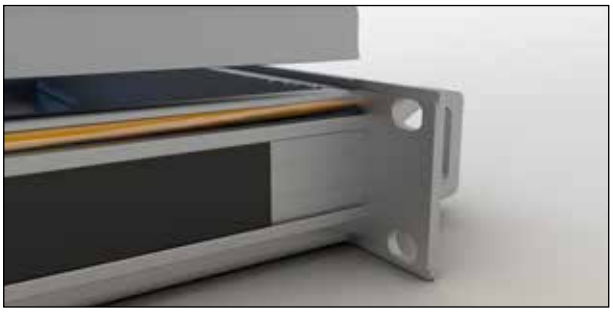


MGS 19-Zoll-Volleinschub mit Dekorblenden
MGS 19-inch plug-in box with decor panels

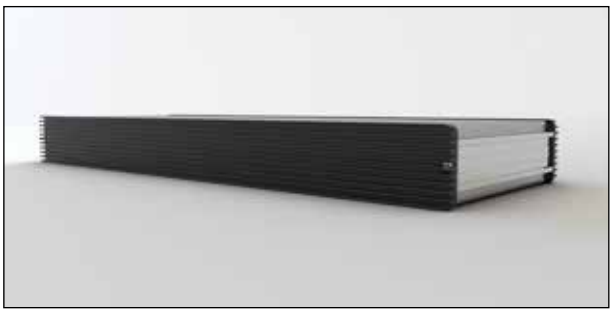


MGSI 19-Zoll-Volleinschub mit Kühlrippen
MGSI 19-inch plug-in box with cooling fins

MGSI Tischgehäuse 217 mm mit Kühlrippen
MGSI desktop enclosure 217 mm with cooling fins

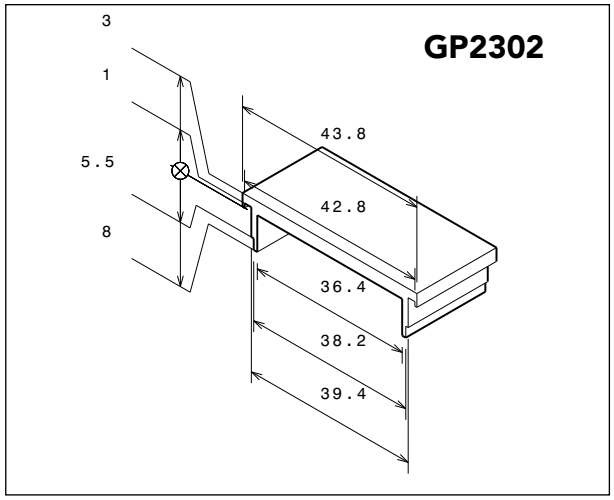


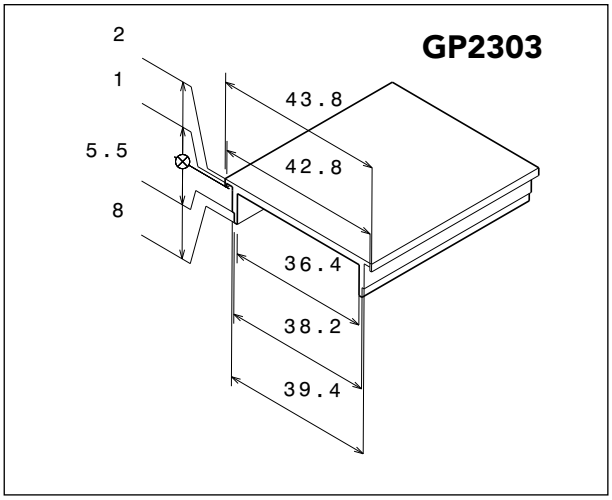
EMV-Dichtungen und Dekorblende
EMC-gasket and decor panel



Bei Ausführung mit Kühlkörperrückplatte der Best.-Nr. ein K anhängen. Beispiel MGS43610K
For versions with heatsink backplate attach K to the part no: example MGS43610K

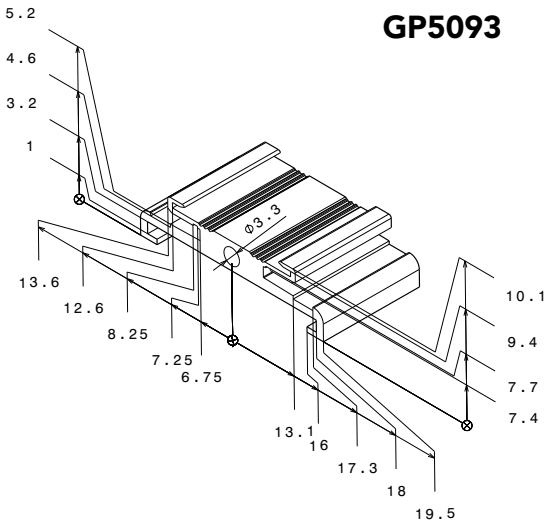
Profilübersicht MGS-superior profile overview MGS-superior





Profilübersicht MGS-superior profile overview MGS-superior

GP5093



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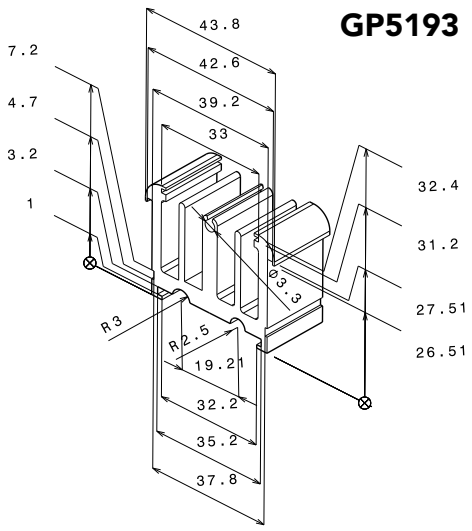

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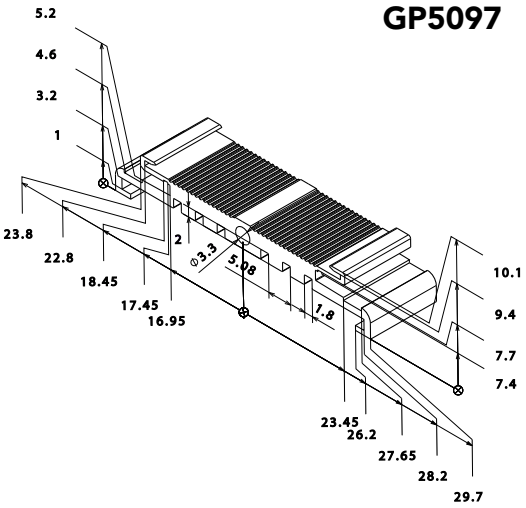

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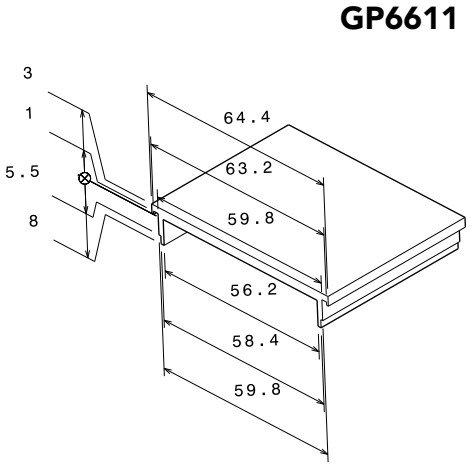

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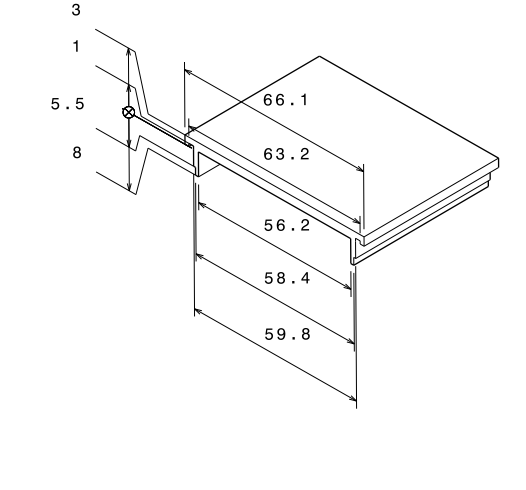

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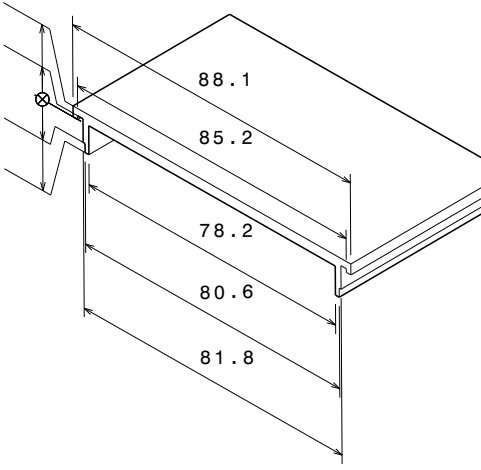
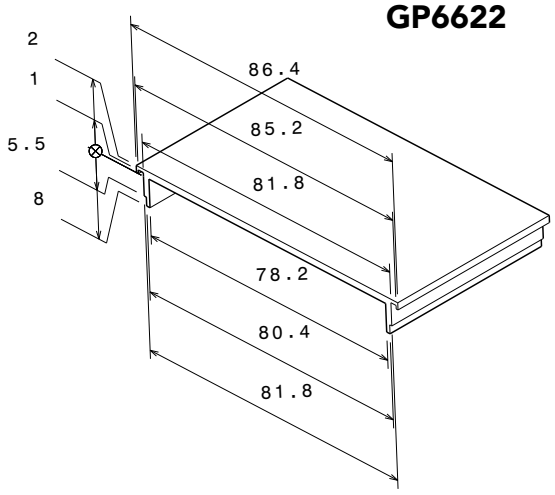


Profilübersicht MGS-superior

profile overview MGS-superior

GP6622



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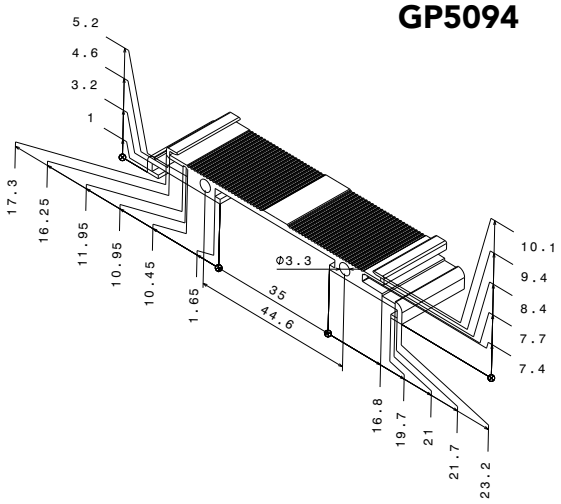

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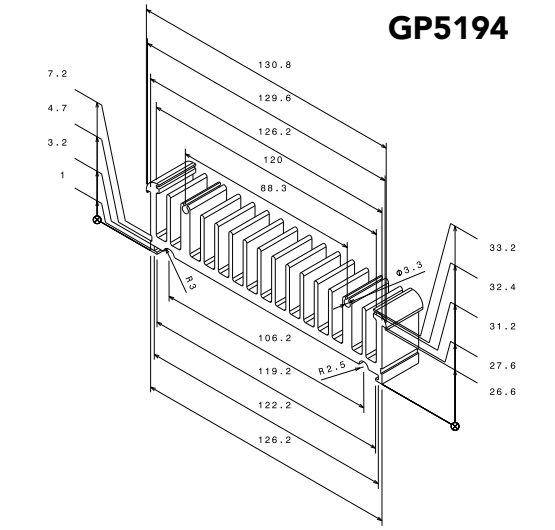

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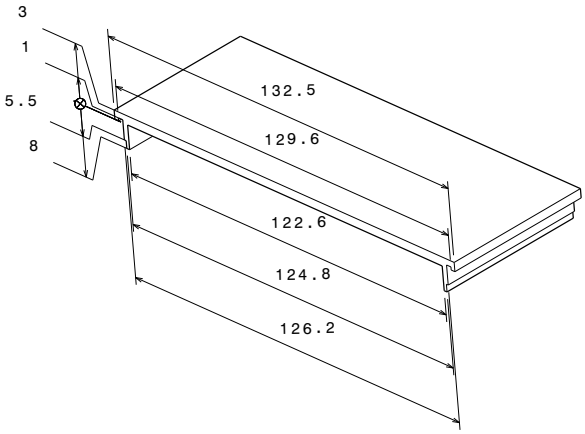

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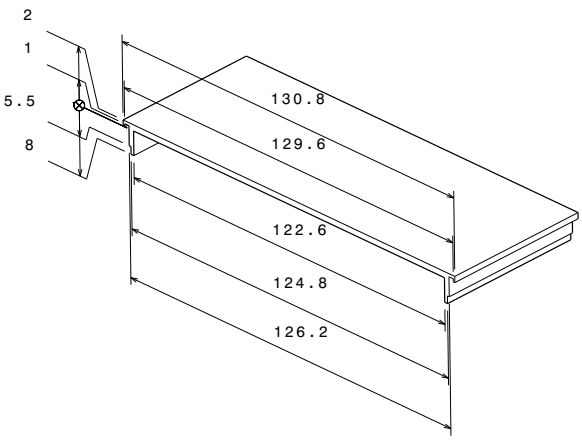

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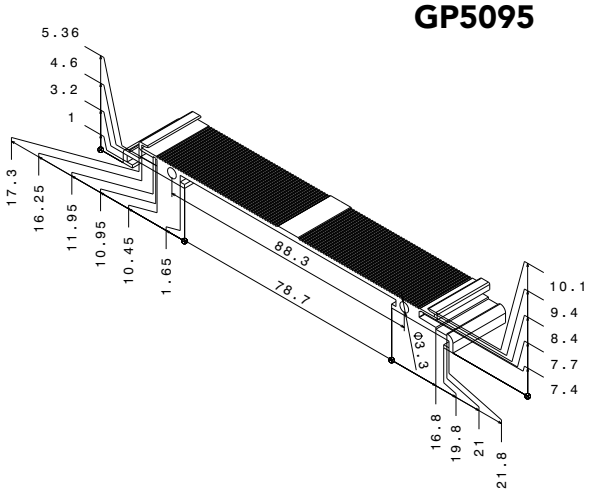
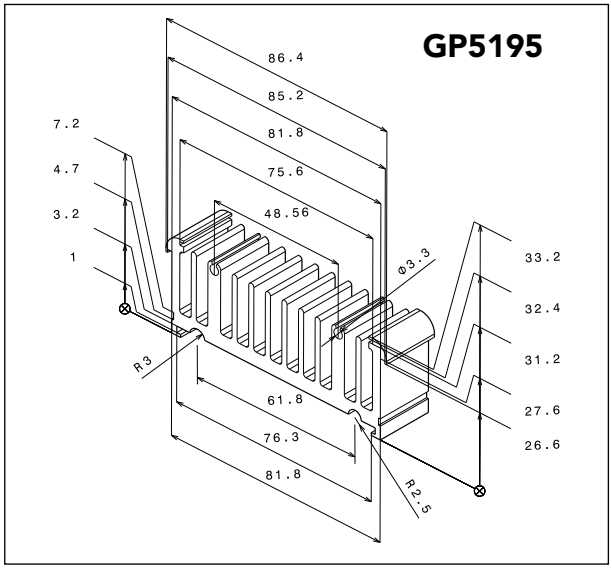


Profilübersicht MGS-superior profile overview MGS-superior

GP5195



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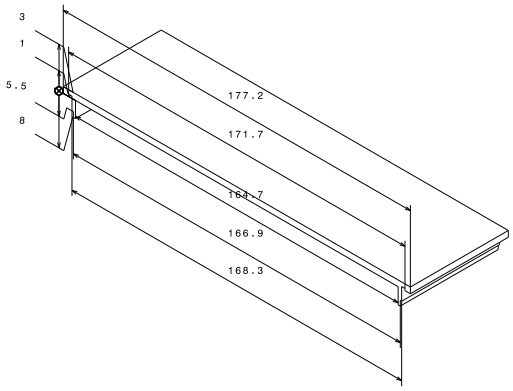

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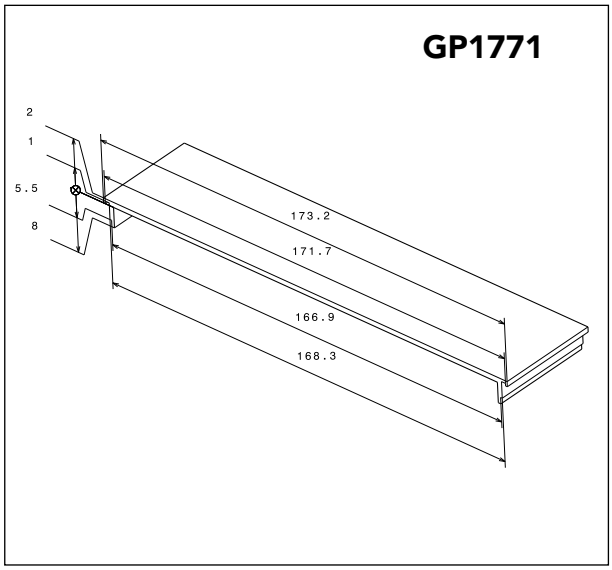

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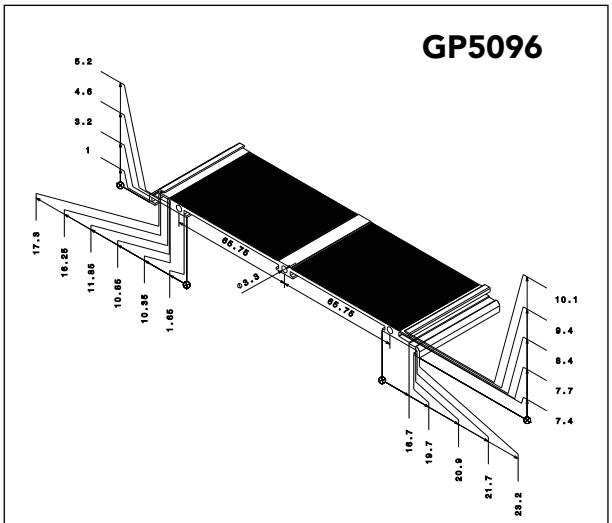
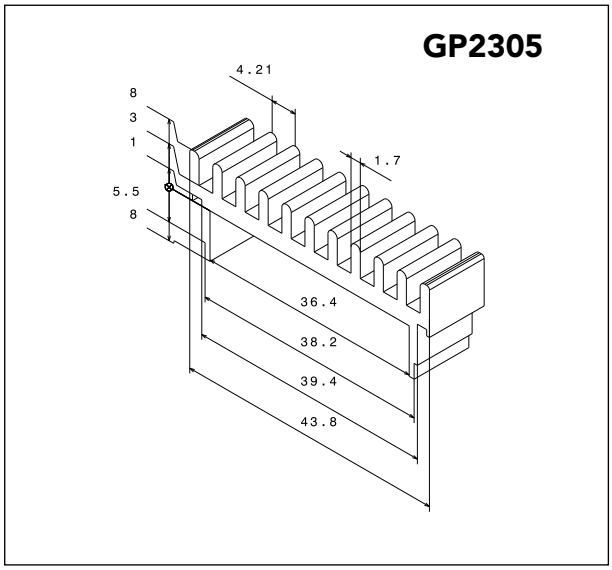
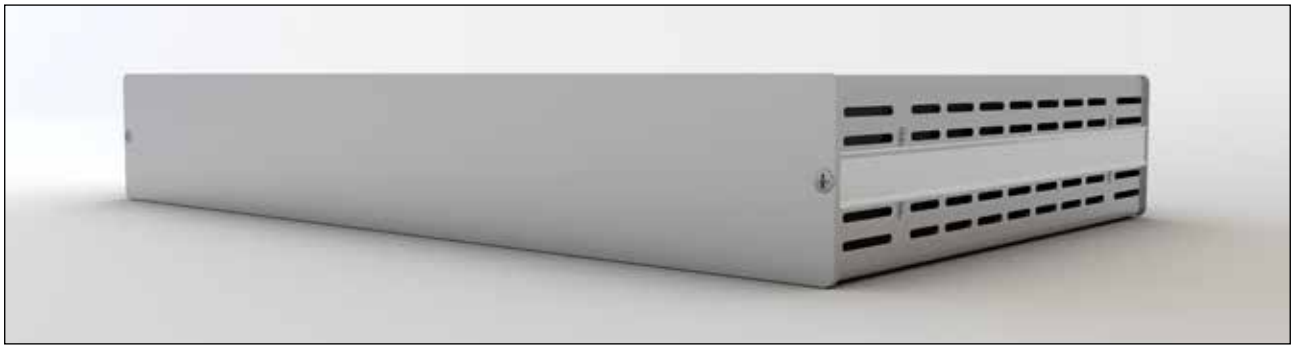


GP2305



Notizen / Notice



Serie MGC-classic
Tischgehäuse

Series MGC-classic
desktop enclosure

Modulare Gehäuseserie von 1 HE bis 6 HE zum Einbau von ungenormten Bauteilen.

Ausführung:
Frontplatte, Rückplatte und Seitenprofile aus Aluminium-Strangpressprofilen (ab 4-HE-Frontplatte aus 4 mm Aluminiumblech und Rückwand aus 2 mm gekanteten Aluminiumblechen). Deckel und Boden aus gekanteten Aluminiumblechen in 2 mm Stärke.

Anwendung:
Diese Gehäuse sind besonders für Anwendungen geeignet, bei denen ungenormte Bauteile sicher in ein Gehäuse eingebaut werden müssen.

Oberfläche:
Alle Außenflächen sind dekorativ naturfarbig eloxiert. Alle Innenflächen sind elektrisch leitend, farblos passiviert.

Abmessungen der Standardgrößen:
Lieferbar von 1 HE bis 6 HE als 19"-Volleinschub sowie 140 mm – 600 mm Tiefe. Optional mit Frontgriffen, Lüftungsschlitzen. Gehäusefüßen sowie Adaptern zum Einbau in 19"-Schränke. Einbaubreite 444 mm.
Die nutzbare Innenbreite beträgt 433 mm. Bei einer Gehäusebreite von 147,3 mm ist die nutzbare Innenbreite 136 mm.
Bei einer Gehäusebreite von 221,5 mm ist die nutzbare Innenbreite 210,5 mm.
Bei einer Gehäusebreite von 295,6 mm ist die nutzbare Innenbreite 284,4 mm.

Lieferform:
Die Gehäuse werden zerlegt geliefert inkl. aller Befestigungselemente.

Modular case series from 1U to 6U for installation of non standard components.

Explanation:
Front panel, rear panel and side profiles made of extruded aluminium profiles (from 4U front panel made of 4 mm aluminum plates and rear panel made of 2 mm aluminum sheet). Top and bottom plates made of bent aluminum sheets in 2mm thickness.

Application:
These enclosures are suitable for applications with non-standard components. The components can be safely installed.

Surface:
All external surfaces are natural anodized. All interior surfaces are electrically conductive, transparent passivated.

Dimensions of standard sizes:
Available from 1U to 6U 19"-plug in box from 140 mm to 600 mm depth. Optional with front handles, air vents, feet and adapters for installation in 19" cabinets. Installation width 444 mm. The usable inside width is 433 mm.
With a case width of 147.3 mm, the usable inside width is 136 mm.
With a case width of 221.5 mm, the usable inside width is 210.5 mm.
With a case width of 295.6 mm, the usable inside width is 284,4 mm.

Form of delivery:
All enclosures will be delivered disassembled incl. all fasteners.

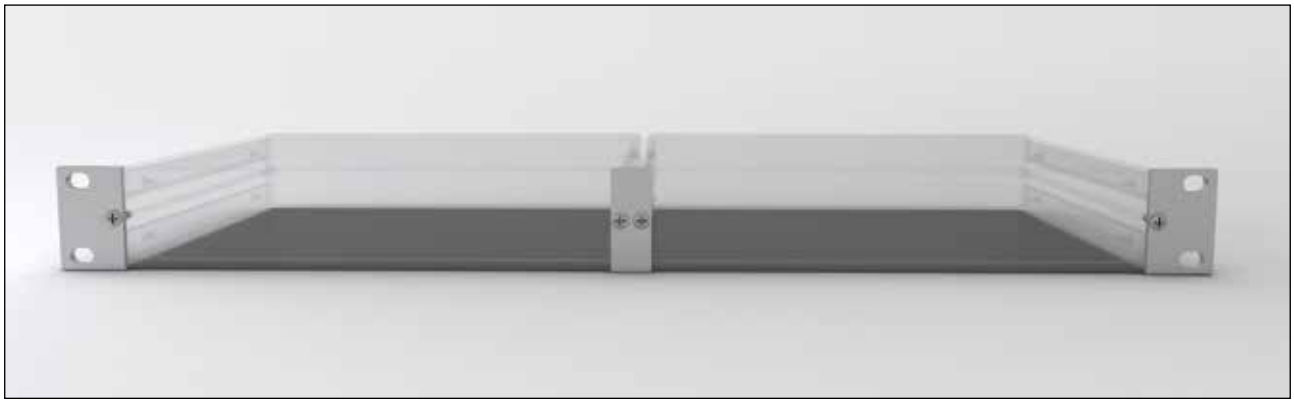
Serie MGC-classic
Tischgehäuse

Series MGC-classic
desktop enclosure

	Höhe height	Tiefe innen depth inside	Best.-Nr. part no. 444 mm Breite width	Best.-Nr. part no. 295,6 mm Breite width	Best.-Nr. part no. 221,5 mm Breite width	Best.-Nr. part no. 147,3 mm Breite width
	1 HE (43,8 mm) Innenhöhe inside height 39,6 mm	140 mm	MGC44410	MGC29510	MGC22110	MGC14710
		205 mm	MGC44411	MGC29511	MGC22111	MGC14711
		260 mm	MGC44412	MGC29512	MGC22112	MGC14712
		360 mm	MGC44413	MGC29513	MGC22113	MGC14713
		450 mm	MGC44414	MGC29514	MGC22114	MGC14714
		600 mm	MGC44415	MGC29515	MGC22115	MGC14715
	1,5 HE (66,1 mm) Innenhöhe inside height 61,0 mm	140 mm	MGC44420	MGC29520	MGC22120	MGC14720
		205 mm	MGC44421	MGC29521	MGC22121	MGC14721
		260 mm	MGC44422	MGC29522	MGC22122	MGC14722
		360 mm	MGC44423	MGC29523	MGC22123	MGC14723
		450 mm	MGC44424	MGC29524	MGC22124	MGC14724
		600 mm	MGC44425	MGC29525	MGC22125	MGC14725
	2 HE (88,4 mm) Innenhöhe inside height 84,2 mm	140 mm	MGC44430	MGC29530	MGC22130	MGC14730
		205 mm	MGC44431	MGC29531	MGC22131	MGC14731
		260 mm	MGC44432	MGC29532	MGC22132	MGC14732
		360 mm	MGC44433	MGC29533	MGC22133	MGC14733
		450 mm	MGC44434	MGC29534	MGC22134	MGC14734
		600 mm	MGC44435	MGC29535	MGC22135	MGC14735
	3 HE (132,9 mm) Innenhöhe inside height 127,9 mm	140 mm	MGC44440	MGC29540	MGC22140	MGC14740
		205 mm	MGC44441	MGC29541	MGC22141	MGC14741
		260 mm	MGC44442	MGC29542	MGC22142	MGC14742
		360 mm	MGC44443	MGC29543	MGC22143	MGC14743
		450 mm	MGC44444	MGC29544	MGC22144	MGC14744
		600 mm	MGC44445	MGC29545	MGC22145	MGC14745
	4 HE (177 mm) Innenhöhe inside height 168,5 mm	140 mm	MGC44450	MGC29550	MGC22150	MGC14750
		205 mm	MGC44451	MGC29551	MGC22151	MGC14751
		260 mm	MGC44452	MGC29552	MGC22152	MGC14752
		360 mm	MGC44453	MGC29553	MGC22153	MGC14753
		450 mm	MGC44454	MGC29554	MGC22154	MGC14754
		600 mm	MGC44455	MGC29555	MGC22155	MGC14755
	5 HE (221,5 mm) Innenhöhe inside height 213 mm	140 mm	MGC44460	MGC29560	MGC22160	MGC14760
		205 mm	MGC44461	MGC29561	MGC22161	MGC14761
		260 mm	MGC44462	MGC29562	MGC22162	MGC14762
		360 mm	MGC44463	MGC29563	MGC22163	MGC14763
		450 mm	MGC44464	MGC29564	MGC22164	MGC14764
		600 mm	MGC44465	MGC29565	MGC22165	MGC14765
	6 HE (265,9 mm) Innenhöhe inside height 257,5 mm	140 mm	MGC44470	MGC29570	MGC22170	MGC14770
		205 mm	MGC44471	MGC29571	MGC22171	MGC14771
		260 mm	MGC44472	MGC29572	MGC22172	MGC14772
		360 mm	MGC44473	MGC29573	MGC22173	MGC14773
		450 mm	MGC44474	MGC29574	MGC22174	MGC14774
		600 mm	MGC44475	MGC29575	MGC22175	MGC14775

- Andere Tiefen auf Anfrage; Bei Ausführung mit seitlichen Lüftungsschlitzen der Bestell-Nr. ein „S“ anhängen, z.B.: MGC 44412 S. Wenn eine individuelle Bearbeitung gewünscht wird, sprechen Sie uns bitte an.
- Deckel und Bodenbleche auch in farbig lackiert lieferbar (Mindestmenge 50 Stück). Alle Innenflächen sind elektrisch leitend passiviert (RoHS-konform).

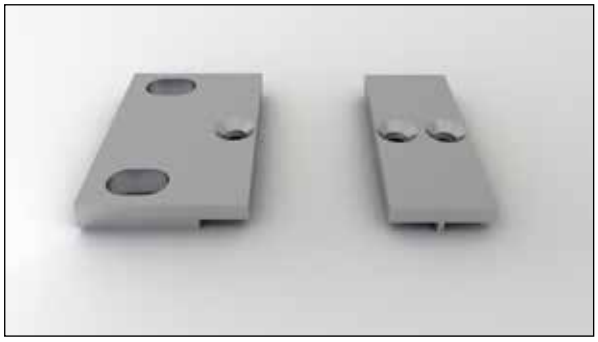
- Other depths are available on request; for version with ventilation slots please add „S“ to the order no., Example.: MGC 44412 S. If an individual machining is desired, please contact us.
- Top and bottom plates are also avialable with color painted surface (minimum quantity 50 pieces). All interior surfaces are passivated and electrically conductive (RoHS-compliant).



Adapterplatten für den 19"-Einbau aus Aluminium naturfarbig eloxiert

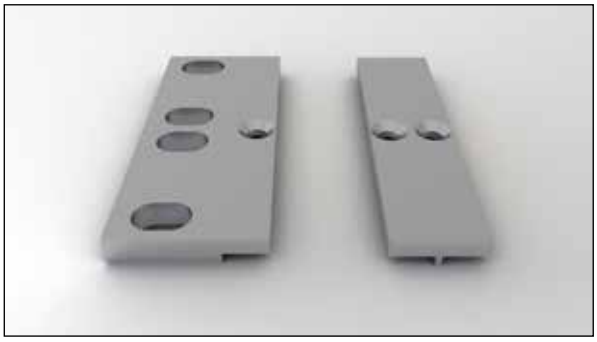
Adapter plates for 19" installations made of natural anodized aluminium

MGA12010 + MGA13010



Gehäusehöhe enclosure height	Best.-Nr. part no. 19"-Adapter	Zwischenstück spacer	VPE PU
1 HE (43,8 mm)	MGA12010	MGA13010	2
1,5 HE (66,1 mm)	MGA12015	MGA13015	2
2 HE (88,4 mm)	MGA12020	MGA13020	2
3 HE (133 mm)	MGA12030	MGA13030	2
4 HE(177 mm)	MGA12040	MGA13040	2
5 HE (221 mm)	MGA12050	MGA13050	2
6 HE (266 mm)	MGA12060	MGA13060	2

MGA12015 + MGA13015



MGA12020 + MGA13020

MGA12030 + MGA13030

Notizen / Notice

19"-Einbaugehäuse Serie MGC-classic

19"-modular case series MGC-classic

Modulare Gehäuseserie von 1 HE bis 6 HE Höhe zum Einbau von ungenormten Bauteilen.

Ausführung:
Frontplatte, Rückplatte und Seitenprofile aus Aluminium-Strangpressprofilen (ab 4-HE-Front aus 4 mm und Rückwand aus 2 mm Aluminiumblech). Deckel und Bodenbleche aus gekanteten Aluminiumblechen in 2 mm Stärke.

Anwendung:
Diese Gehäuse sind besonders für Anwendungen geeignet, bei denen ungenormte Bauteile sicher in ein Gehäuse eingebaut werden müssen.

Oberfläche:
Alle Außenflächen sind dekorativ naturfarbig eloxiert. Alle Innenflächen sind elektrisch leitend, farblos passiviert.

Abmessungen der Standardgrößen:
Lieferbar von 1 HE bis 6 HE, als 19"-Volleinschub, sowie 140 mm bis 600 mm Tiefe. Optional mit Frontgriffen, Lüftungsschlitzen. Einbaubreite 444 mm. Die nutzbare Innenbreite beträgt 433 mm.

Lieferform:
Die Gehäuse werden zerlegt geliefert inkl. aller Befestigungselemente.

Modular case series from 1 U to 6 U height for installation of non-standard components.

Explanation:
Front panel, rear panel and side profiles made of extruded aluminum profiles (from 4-U front panel made of 4 mm aluminium plates and rear panel made of 2 mm aluminum sheets). Top and bottom made of bent aluminum sheets in 2 mm thickness.

Application:
These enclosures are suitable for applications with non-standard components. The assembly parts can be safely installed in this series.

Surface:
All external surfaces are natural anodized. All interior surfaces are electrically conductive, clear passivated.

Dimensions of standard sizes:
Available from 1 U to 6 U, 19"-plug in box from 140 mm to 600 mm depth. Optional with front handles, air vents. Installation width 444 mm. The usable inside width is 433 mm.

Form of delivery:
The enclosures will be delivered disassembled incl. all fasteners.

19"-Einbaugehäuse Serie MGC-classic

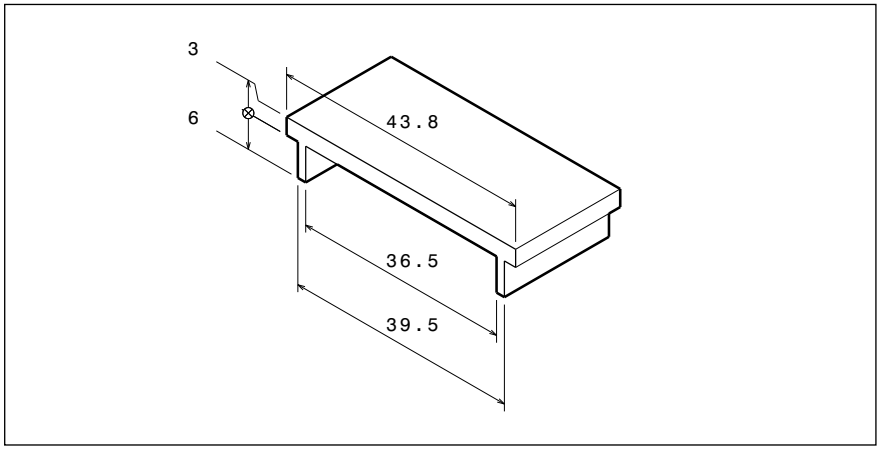
19"-modular case series MGC-classic

	Höhe height	Tiefe innen depth inside	Best.-Nr. ohne Frontgriffe part no. without front handles	Best.-Nr. mit Frontgriffen part no. with front handles
	1 HE (43,8 mm) Innenhöhe inside height 39,6 mm	140 mm	MGC48610	MGC48610G
		205 mm	MGC48611	MGC48611G
		260 mm	MGC48612	MGC48612G
		360 mm	MGC48613	MGC48613G
		450 mm	MGC48614	MGC48614G
		600 mm	MGC48615	MGC48615G
	1,5 HE (66,1 mm) Innenhöhe inside height 61,0 mm	140 mm	MGC48620	MGC48620G
		205 mm	MGC48621	MGC48621G
		260 mm	MGC48622	MGC48622G
		360 mm	MGC48623	MGC48623G
		450 mm	MGC48624	MGC48624G
		600 mm	MGC48625	MGC48625G
	2 HE (88,4 mm) Innenhöhe inside height 84,2 mm	140 mm	MGC48630	MGC48630G
		205 mm	MGC48631	MGC48631G
		260 mm	MGC48632	MGC48632G
		360 mm	MGC48633	MGC48633G
		450 mm	MGC48634	MGC48634G
		600 mm	MGC48635	MGC48635G
	3 HE (132,9 mm) Innenhöhe inside height 127,9 mm	140 mm	MGC48640	MGC48640G
		205 mm	MGC48641	MGC48641G
		260 mm	MGC48642	MGC48642G
		360 mm	MGC48643	MGC48643G
		450 mm	MGC48644	MGC48644G
		600 mm	MGC48645	MGC48645G
	4 HE (177 mm) Innenhöhe inside height 168,5 mm	140 mm	MGC48650	MGC48650G
		205 mm	MGC48651	MGC48651G
		260 mm	MGC48652	MGC48652G
		360 mm	MGC48653	MGC48653G
		450 mm	MGC48654	MGC48654G
		600 mm	MGC48655	MGC48655G
	5 HE (221,5 mm) Innenhöhe inside height 213 mm	140 mm	MGC48660	MGC48660G
		205 mm	MGC48661	MGC48661G
		260 mm	MGC48662	MGC48662G
		360 mm	MGC48663	MGC48663G
		450 mm	MGC48664	MGC48664G
		600 mm	MGC48665	MGC48665
	6 HE (265,9 mm) Innenhöhe inside height 257,5 mm	140 mm	MGC48670	MGC48670G
		205 mm	MGC48671	MGC48671G
		260 mm	MGC48672	MGC48672G
		360 mm	MGC48673	MGC48673G
		450 mm	MGC48674	MGC48674G
		600 mm	MGC48675	MGC48675G

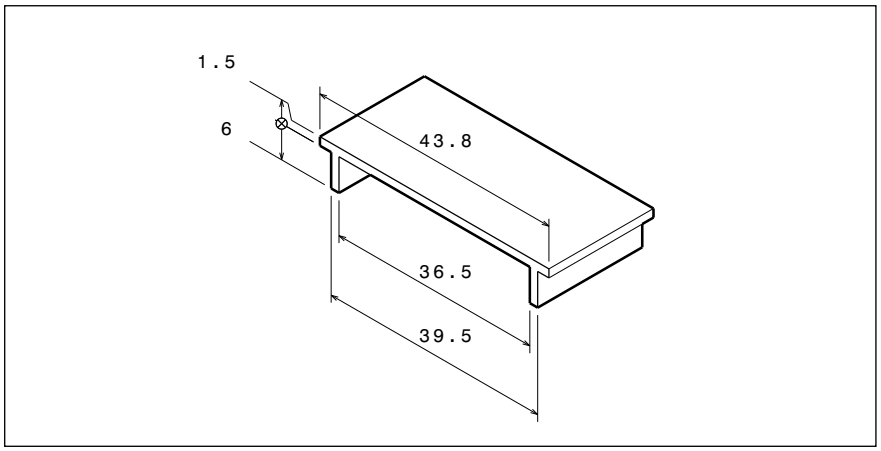
- Andere Tiefen auf Anfrage. Bei Ausführung mit seitlichen Lüftungsschlitzen der Bestell-Nr. ein „S" anhängen, z.B.: MGC48612S.
- Deckel und Bodenbleche auch in farbig lackiert lieferbar (Mindestmenge 50 Stück).
- Alle Innenflächen sind elektrisch leitend passiviert (RoHS-konform).

- Other depths are available on request. For versions with ventilation slots please add „S" at the end of the part no., Example: MGC48612 S.
- Top and bottom plates are also avialable with color painted suface (Minimum quantity 50 pieces).
- All interior surfaces are passivated and electrically con ductive (RoHS-compliant).

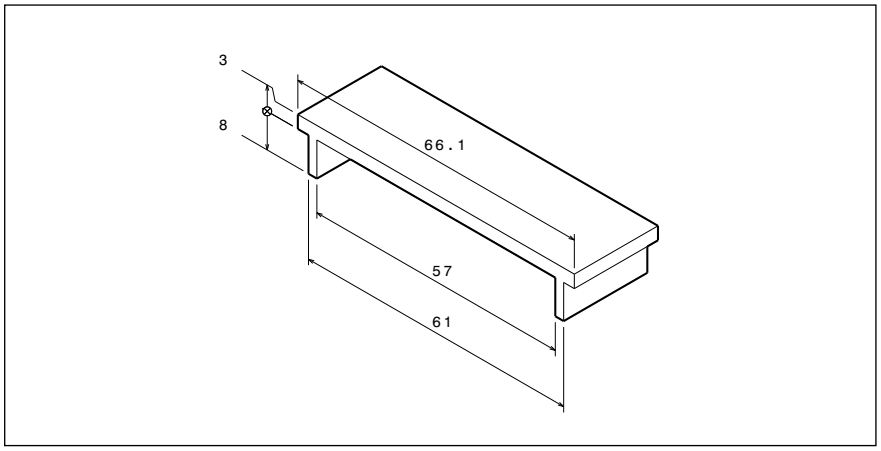
Profilübersicht MGC-classic profile overview MGC-classic



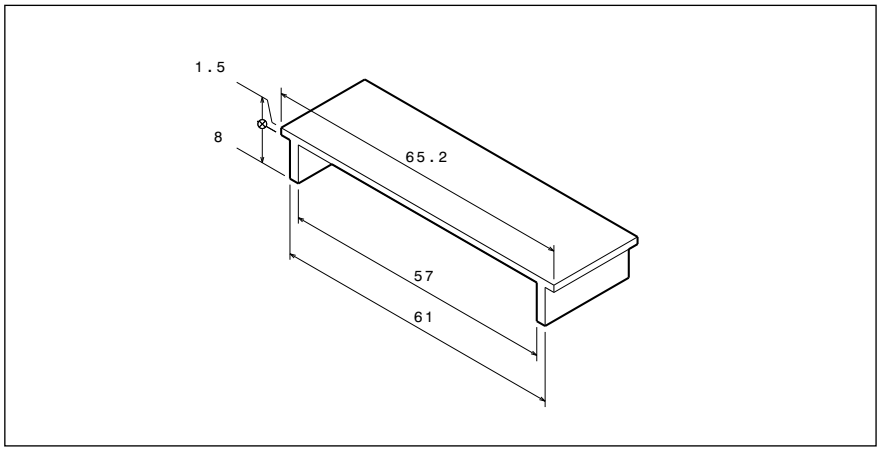
GP2300
Frontplatte 1 HE
front panel 1U



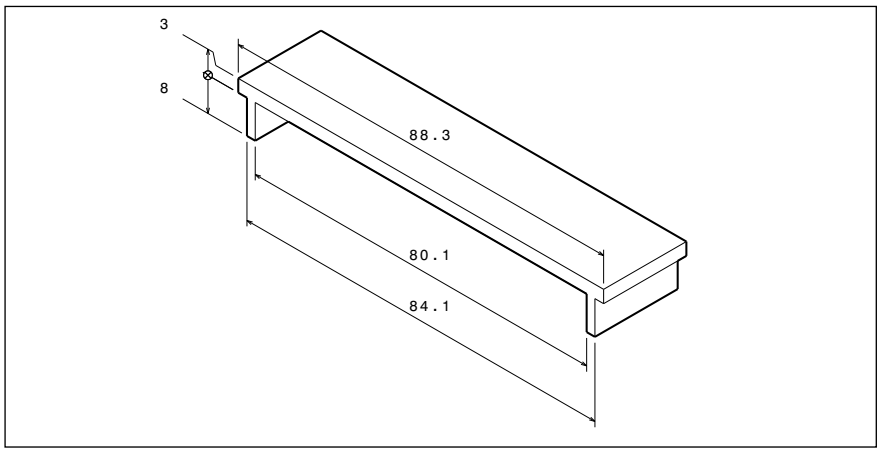
GP2400
Frontplatte XtraLyte 1 HE
front panel XtraLyte 1 U



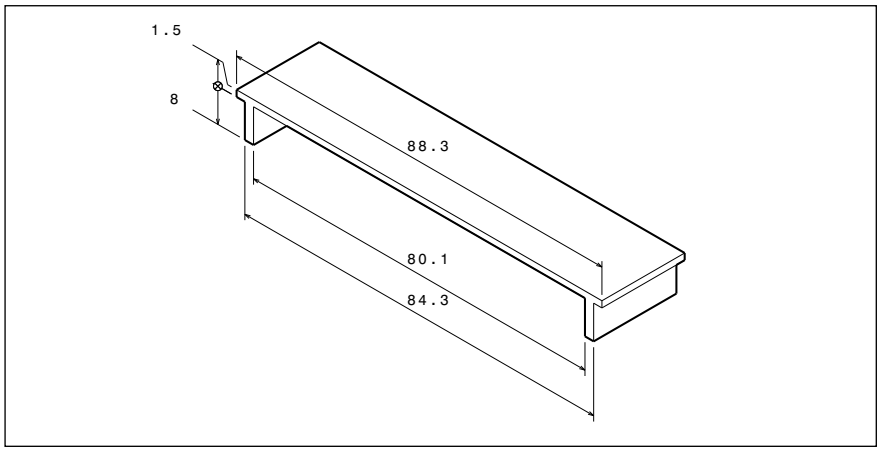
GP661
Frontplatte 1,5 HE
front panel 1,5 U



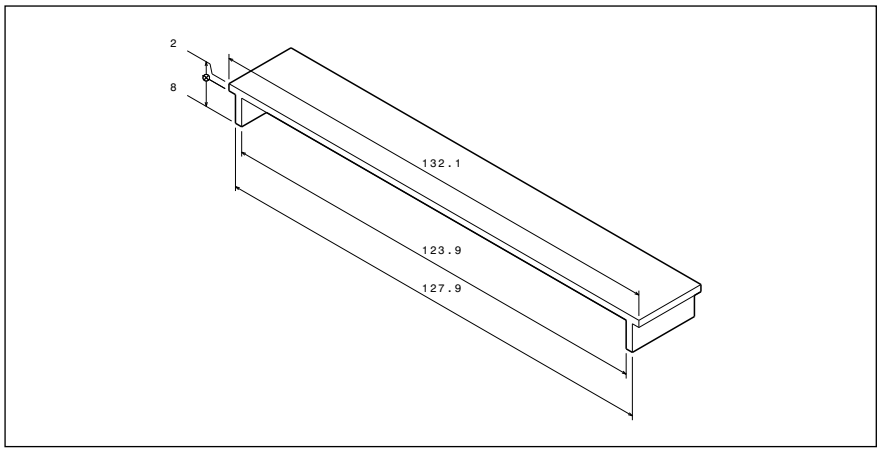
GP6610
Rückwand 1,5 HE
rear panel 1,5 U



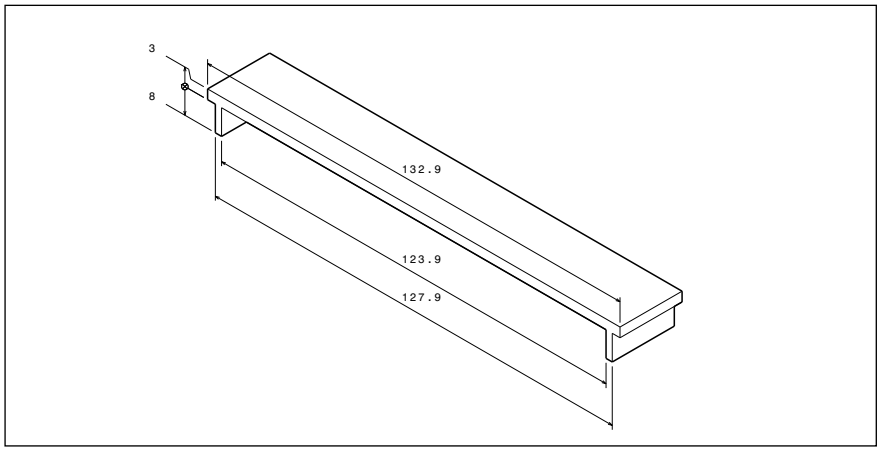
GP662
Frontplatte 2 HE
front panel 2 U



GP6620
Rückwand 2 HE
rear panel 2 U

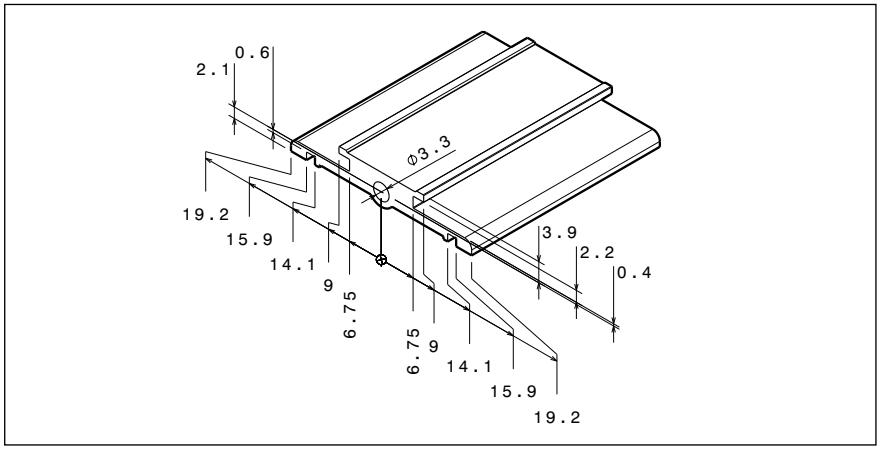


GP1322
Rückwand 3 HE
rear panel 3 U



GP1323
Frontplatte 3 HE
front panel 3 U

Profilübersicht MGC-classic profile overview MGC-classic



GP5081
Seitenprofil
side-wall profile

Notizen / Notice

19“-Einbaugehäuse xtraLyte® 19“-plug in enclosure

Modulare Gehäuseserie mit 1HE Höhe zum Einbau von ungenormten Bauteilen mit nutzbarer Innenhöhe von 41,2 mm.

Ausführung:
Frontplatte, Rückplatte und Seitenprofile aus Aluminium-Strangpressprofilen. Deckel und Bodenbleche aus gekanteten Aluminium-blechen in 1,2 mm Stärke.

Anwendung:
Diese Gehäuse sind besonders für Anwendungen geeignet, bei denen ungenormte Bauteile sicher in ein Gehäuse eingebaut werden müssen.

Oberfläche:
Alle Außenflächen sind dekorativ naturfarbig eloxiert. Alle Innenflächen sind elektrisch leitend farblos passiviert.

Abmessungen der Standardgrößen:
Lieferbar nur in 1 HE, als 19"-Volleinschub oder als Tischgehäuse von 147 mm bis 444 mm Breite sowie 140 mm bis 450 mm Tiefe.

Lieferform:
Die Gehäuse werden zerlegt geliefert inkl. aller Befestigungselemente.

Modular case series with 1U height for installation of non standard components with usable internal height of 41.2 mm.

Explanation:
Front panel, rear panel and side profiles made of extruded aluminum profiles. Top and bottom made of bent aluminum sheet in 1.2 mm thickness.

Application:
These enclosures are particularly suitable for applications whith nonstandard components. The assembly partes can be safely installed into this enclosure.

Surface:
All external surfaces are natural anodized.
All interior surfaces are electrically conductive clear passivated.

Dimensions of standard sizes:
Available only as 1U, 19“ plug-in box or desk-top version from 147 mm to 444 mm width and 140 mm to 450 mm depth.

Delivery form:
The enclosures are delivered disassembled incl. all fasteners.

MGX48611G

Einbaubreite 19 Zoll. Die nutzbare Innenbreite beträgt 433 mm.

Installation width 19". The usable inside width is 433 mm.

MGX48613

Höhe height	Tiefe innen depth inside	Best.-Nr. ohne Frontgriffe part no. without Front handles	Best.-Nr. mit Frontgriffen part no. with Front handles
1HE (43,6 mm) Innenhöhe 41,2 mm Inside height 41,2 mm	140 mm	MGX48610	MGX48610G
	205 mm	MGX48611	MGX48611G
	260 mm	MGX48612	MGX48612G
	360 mm	MGX48613	MGX48613G
	450 mm	MGX48614	MGX48614G

MGX44412

Tischgehäuse 444 mm Die nutzbare Innenbreite beträgt 433 mm.

Desktop enclosure 444 mm. usable inside width is 433 mm.

MGX44412

Höhe height	Tiefe innen dept inside	Best.-Nr. ohne Frontgriffe part no. without front handles
1HE (43,6 mm) Innenhöhe 41,2 mm Inside height 41,2mm	140 mm	MGX44410
	205 mm	MGX44411
	260 mm	MGX44412
	360 mm	MGX44413
	450 mm	MGX44414

MGX22110

Tischgehäuse 221,5 mm die nutzbare Innenbreite beträgt 210,5 mm.

Desktop enclosure 221,5 mm usable inside width is 210,5 mm.

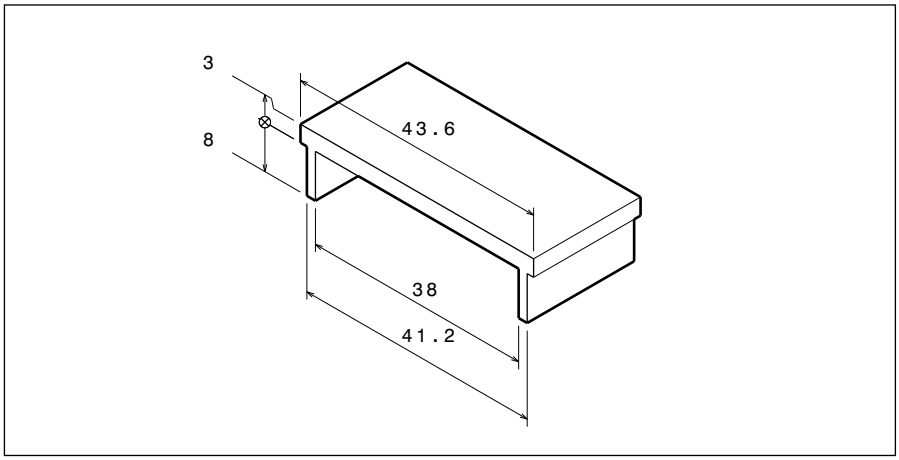
MGX22110

Höhe height	Tiefe innen depth inside	Best.-Nr. ohne Frontgriffe part no. without front handles
1HE (43,6 mm) Innenhöhe 41,2 mm inside height 41,2 mm	140 mm	MGX22110
	205 mm	MGX22111
	260 mm	MGX22112
	360 mm	MGX22113
	450 mm	MGX22114

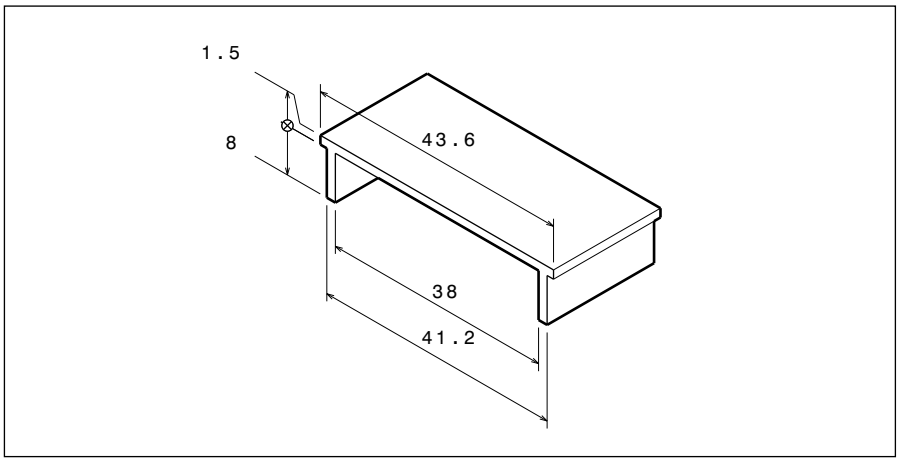
Andere Tiefen auf Anfrage.

Other depths available on request.

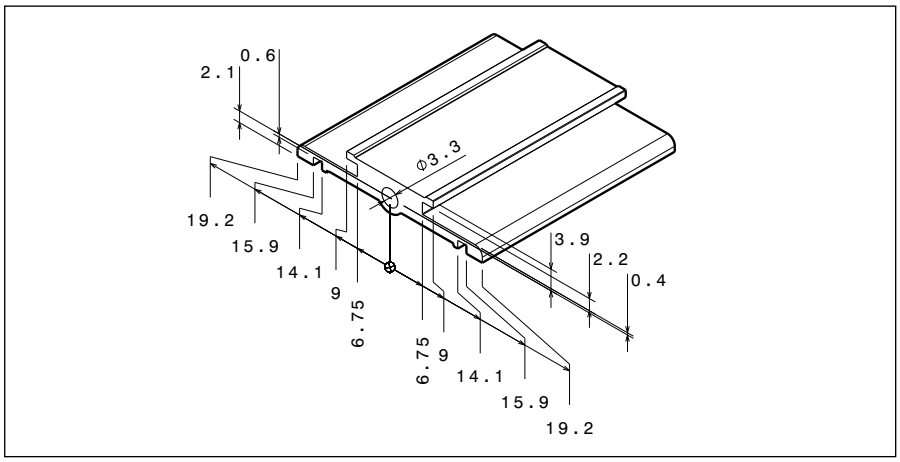
Pofilübersicht MGX profile overview MGX



GP2301
Frontplatte xtraLyte 1HE
front panel xtraLyte 1U



GP2401
Rückwand xtraLyte 1HE
rear panel xtraLyte 1U



GP5081
Seitenprofil
side profile

Notizen / Notice

19“-Gehäuse Serie MGF-compact

19“ plug in box series MGF-compact

Spezielle Serie kompakter Gehäuse, bestehend aus nur zwei Komponenten.

Ausführung:
Frontplatte aus Aluminium-U-Profil und einer von hinten aufgesteckten Abdeckung aus Aluminiumblech.

Anwendung:
Diese Gehäuse sind besonders für Anwendungen geeignet, die nur eine geringe Einbautiefe benötigen. Sehr wirtschaftliche Konstruktion, auch geeignet für große Serien.

Oberfläche:
Frontplatte und Abdeckung sind naturfarbig eloxiert.

Abmessungen:
Lieferbar von 1HE bis 3 HE, 19" Breite und 29 mm oder 59 mm Tiefe Innenmaß.

Special series of compact enclosure, consisting of only two components.

Eplanation:
Front panel made of aluminium U-profile and an attached rear cover made of aluminum sheet.

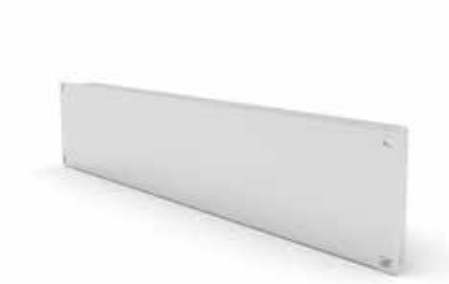
Application:
These enclosures are suitable for applications that require only a small installation depth. Very economic construction, suitable even for large series.

Surface:
All parts are natural anodized.

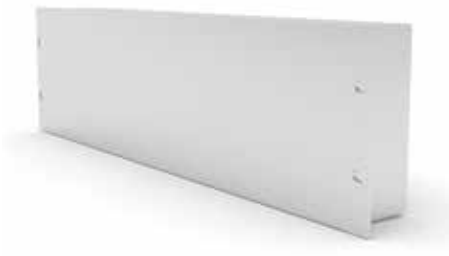
Dimensions:
Available from 1U to 3U, 19“ width and 29 mm or 59 mm inside depth.

Höhe height	Tiefe innen depth inside	Best.-Nr. ohne Frontgriffe part no. without front handles	Best.-Nr. mit Frontgriffen part no. with front handles
1 HE (43,6 mm) Innenhöhe 41,2 mm inside height 41,2 mm	29 mm	MGF44031	MGF44031G
	59 mm	MGF44061	MGF44061G

Höhe height	Tiefe innen depth inside	Best.-Nr. ohne Frontgriffe part no. without front handles	Best.-Nr. mit Frontgriffen part no. with front handles
1,5 HE (66,1 mm) Innenhöhe 61,1 mm inside height 61,1mm	29 mm	MGF44032	MGF44032G
	59 mm	MGF44062	MGF44062G



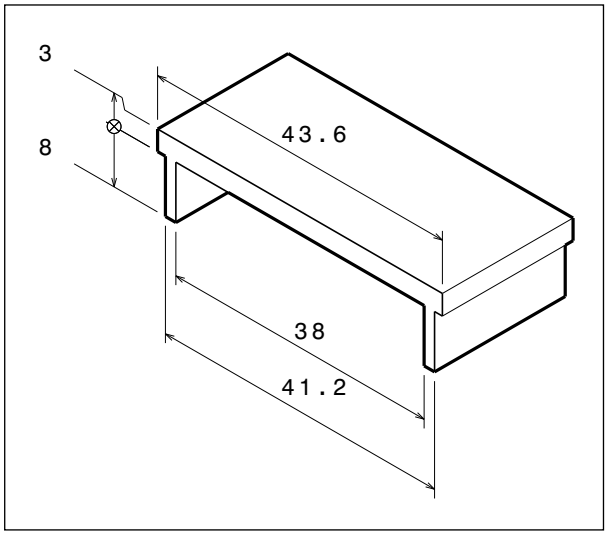
Höhe height	Tiefe innen depth inside	Best.-Nr. ohne Frontgriffe part no. without front handles	Best.-Nr. mit Frontgriffen part no. with front handles
2 HE (88,4 mm) Innenhöhe 84,2 mm inside height 84,2 mm	29 mm	MGF44033	MGF44033G
	59 mm	MGF44063	MGF44063G



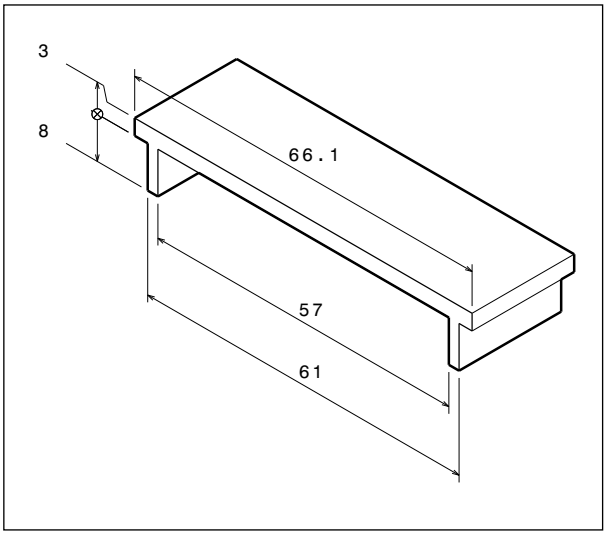
Höhe height	Tiefe innen depth inside	Best.-Nr. ohne Frontgriffe part no. without front handles	Best.-Nr. mit Frontgriffen part no. with front handles
3 HE (133 mm) Innenhöhe 128,8 mm inside height 128,8 mm	29 mm	MGF44034	MGF44034G
	59 mm	MGF44064	MGF44064G

Andere Tiefen auf Anfrage.
Other depths available on request.

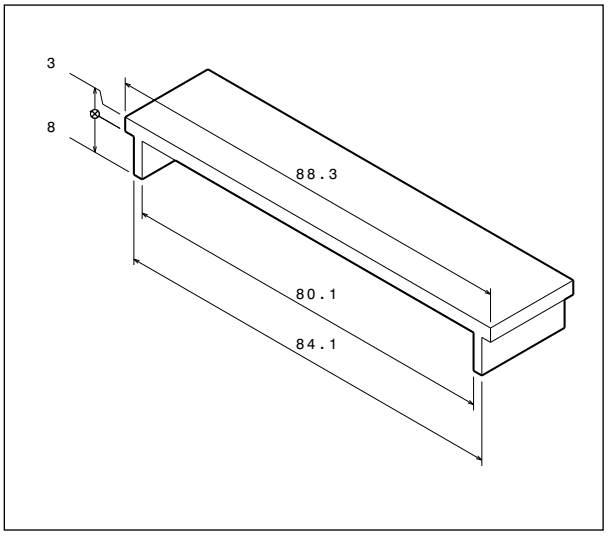
Profilübersicht MGF — Profile overview MGF



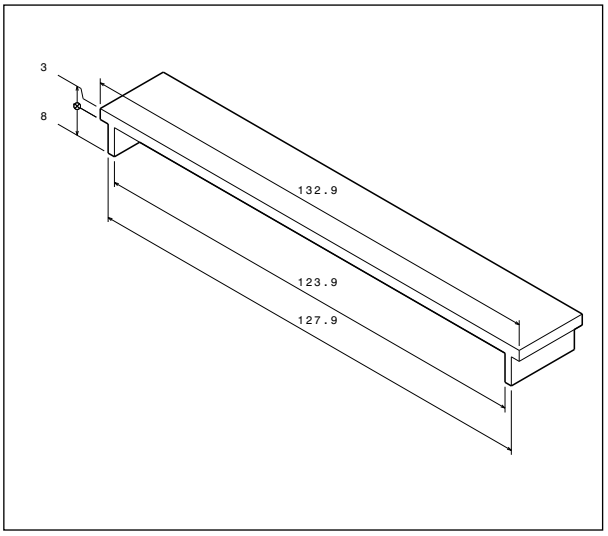
GP2301
Frontplatte 1 HE
front panel 1 U



GP661
Frontplatte 1,5 HE
front panel 1,5 U



GP662
Frontplatte 2 HE
front panel 2 U



GP1323
Frontplatte 3 HE
front panel 3U

Notizen / Notice

Notizen / Notice

Serie IP65 Gehäuse — aluflexx® — IP65 casing Series

Die neue Gehäuseserie aluflexx passt sich genau Ihrer Anwendung an. Ob hohe Anforderungen an die EMV, die IP-Schutzklasse bis IP65 oder auch an beides gestellt werden, lässt sich individuell konfigurieren.

The new enclosure series aluflexx adapts itself exactly to your application. Whether high demands on the EMC, the IP protection class IP65 or to both, can be individually configured.

- Die Anwendungen sind vielseitig. Ob als Gehäuse für Anzeigen und Dateneingabe in rauen Umgebungen, als robustes Messgerätegehäuse im Feldeinsatz, als Terminal an Maschinen, als lüfterlose IPC usw. Endlich ein Gehäuse mit Design und IP65-Schutz!

Die Highlights im Überblick:

- 25 Standardgrößen von 150x150 mm bis 400x400 mm
- 3 Standardhöhen: 52, 75 und 100 mm
- Standardfarben RAL9006 und RAL9005
- Feinstruktur-pulverlackiert; alle Innen- und Kontaktflächen sind elektrisch leitend
- EMV-Dichtsatz aus Schaumdichtungen mit Ni-Cu-Beschichtung
- IP65-Dichtsatz aus Zellkautschuk oder Silikon für erweiterten Temperaturbereich
- Aufschiebbare Bügelgriffe und Universalhalterungen
- Kunststoffecken in verschiedenen Farben
- Befestigungsmöglichkeiten für Wand-, Untertisch- oder Deckenmontage
- Lieferbar auch mit seitlichen Kühlrippen
- Integrierte Führungsnuten an allen 6 Gehäuseinnenseiten für Leiterkarten oder Montageplatten
- Möglichkeiten zum Einsetzen von Plexiglas oder VSG-Sicherheitsglas statt Aluminiumfrontplatten
- Umlaufend eingelassene Frontplatte bis 3,5 mm Stärke
- Besonders geeignet für Folientastaturen oder kapazitive Eingabesysteme

- Alle Anbauteile lassen sich auch nachträglich ohne mechanische Änderungen anbringen, ändern oder entfernen. Zwei Madenschrauben M3x3 mm mit Ringschneide sichern den Griff fast unsichtbar an jeder beliebigen Position. Die Universalhalterung für Tragegriff, Schwenkarm, Wandhalterungen, Tastaturen usw. ist ein echter Allrounder. Lieferbar in verschieden Breiten passt sich die Halterung genau Ihren Anforderungen an.

- The applications are versatile. Whether as an enclo sure for displaying and entering data in rough en vironments, as a robust measuring device enclosure under field conditions, as a terminal on machines, as fanless IPC etc. Finally a enclosure with design and IP65 protection!

Highlights overview:

- 25 standard sizes from 150 x 150 to 400 x 400 mm
- Three standard heights: 52, 75 and 100 mm
- Standard colors RAL9006 and RAL9005
- Fine structure powder coated; all interior and contact areas are electrically conductive
- EMC gasket set made of foam seals with Ni-Cu-coating
- IP65 sealing set: made of cellular rubber or silicone for extended temperature range
- Slip-on handle grips and universal mounts
- Plastic corners in different colors
- Mounting possibilities for wall, table or ceiling mounting
- Also available with cooling fins
- Integrated guiding grooves at all 6 sides for circuit boards or mounting plates
- Opportunities for insertion of Plexiglas or laminated safety glass instead of aluminum front plates
- Recessed front panels up to 3.5 mm thickness
- Especially suitable for membrane keypads or capacitive input systems

- All assembly parts can also be installed, modified or removed later without mechanical changes. Two grub screws M3 x 3 mm with cutting rings secure the handle nearly invisible at any position. The universal mount for carrying handles, swivels, wall brackets, keyboards, etc. is a real all-rounder. Available in different widths, the bracket fits exactly to your requirements.

Serie IP-Gehäuse aluflexx® IP-casing Series

Basic Grundrahmen
52 mm hoch

Basic base frame
52 mm high

Cool Grundrahmen
75 mm hoch

Cool base frame
75 mm high

Cool Grundrahmen
100 mm hoch

Cool base frame
100 mm high

aluflexx Cool komplett mit Schutzecken und Deckel

aluflexx Cool with protective corners and cover plates

Breite width	Tiefe depth	Best.-Nr. 52mm Höhe part no. 52mm height	Best.-Nr. 75mm Höhe part no. 75mm height	Best.-Nr. 100mm Höhe part no. 100mm height
150	150	EPG52150150	EPG75150150	EPG10150150
200	150	EPG52200150	EPG75200150	EPG10200150
250	150	EPG52250150	EPG75250150	EPG10250150
300	150	EPG52300150	EPG75300150	EPG10300150
400	150	EPG52400150	EPG75400150	EPG10400150
150	200	EPG52150200	EPG75150200	EPG10150200
200	200	EPG52200200	EPG75200200	EPG10200200
250	200	EPG52250200	EPG75250200	EPG10250200
300	200	EPG52300200	EPG75300200	EPG10300200
400	200	EPG52400200	EPG75400200	EPG10400200
150	250	EPG52150250	EPG75150250	EPG10150250
200	250	EPG52200250	EPG75200250	EPG10200250
250	250	EPG52250250	EPG75250250	EPG10250250
300	250	EPG52300250	EPG75300250	EPG10300250
400	250	EPG52400250	EPG75400250	EPG10400250
150	300	EPG52150300	EPG75150300	EPG10150300
200	300	EPG52200300	EPG75200300	EPG10200300
250	300	EPG52250300	EPG75250300	EPG10250300
300	300	EPG52300300	EPG75300300	EPG10300300
400	300	EPG52400300	EPG75400300	EPG10400300
150	400	EPG52150400	EPG75150400	EPG10150400
200	400	EPG52200400	EPG75200400	EPG10200400
250	400	EPG52250400	EPG75250400	EPG10250400
300	400	EPG52300400	EPG75300400	EPG10300400
400	400	EPG52400400	EPG75400400	EPG10400400

Breite width	Tiefe depth	Best.-Nr. 52mm Höhe part no. 52 mm height	Best.-Nr. 75mm Höhe part no 75 mm height	Best.-Nr. 100mm Höhe part no. 100mm height
150	150	EPC52150150	EPC75150150	EPC10150150
200	150	EPC52200150	EPC75200150	EPC10200150
250	150	EPC52250150	EPC75250150	EPC10250150
300	150	EPC52300150	EPC75300150	EPC10300150
400	150	EPC52400150	EPC75400150	EPC10400150
150	200	EPC52150200	EPC75150200	EPC10150200
200	200	EPC52200200	EPC75200200	EPC10200200
250	200	EPC52250200	EPC75250200	EPC10250200
300	200	EPC52300200	EPC75300200	EPC10300200
400	200	EPC52400200	EPC75400200	EPC10400200
150	250	EPC52150250	EPC75150250	EPC10150250
200	250	EPC52200250	EPC75200250	EPC10200250
250	250	EPC52250250	EPC75250250	EPC10250250
300	250	EPC52300250	EPC75300250	EPC10300250
400	250	EPC52400250	EPC75400250	EPC10400250
150	300	EPC52150300	EPC75150300	EPC10150300
200	300	EPC52200300	EPC75200300	EPC10200300
250	300	EPC52250300	EPC75250300	EPC10250300
300	300	EPC52300300	EPC75300300	EPC10300300
400	300	EPC52400300	EPC75400300	EPC10400300
150	400	EPC52150400	EPC75150400	EPC10150400
200	400	EPC52200400	EPC75200400	EPC10200400
250	400	EPC52250400	EPC75250400	EPC10250400
300	400	EPC52300400	EPC75300400	EPC10300400
400	400	EPC52400400	EPC75400400	EPC10400400

Deckel- und Bodenbleche aus 3 mm Aluminium natur eloxiert, Innenseite passiviert
Top and bottom plates made of 3 mm anodized aluminium, passivated inside

Für Gehäuse-breite / Tiefe for housing width / depth	Best.-Nr. Gehäusebreite / Tiefe 150 mm part no. housing width / depth 150mm	Best.-Nr. Gehäusebreite / Tiefe 200 mm part no. housing width / depth 200mm	Best.-Nr. Gehäusebreite / Tiefe 250 mm part no. housing width / depth 250mm	Best.-Nr. Gehäusebreite / Tiefe 300 mm part no. housing width / depth 300 mm	Best.-Nr. Gehäusebreite / Tiefe 400 mm part no. housing width / depth 400 mm
150	EPG30140140				
200	EPG30190140	EPG30190190			
250	EPG30240140	EPG30240190	EPG30240240		
300	EPG30290140	EPG30290190	EPG30290240	EPG30290290	
400	EPG30390140	EPG30390190	EPG30390240	EPG30390290	EPG30390390

■ Deckelbleche für Frontfolien oder Folientastaturen auf Anfrage. ■ Cover sheets for front foils or keyboards on request.

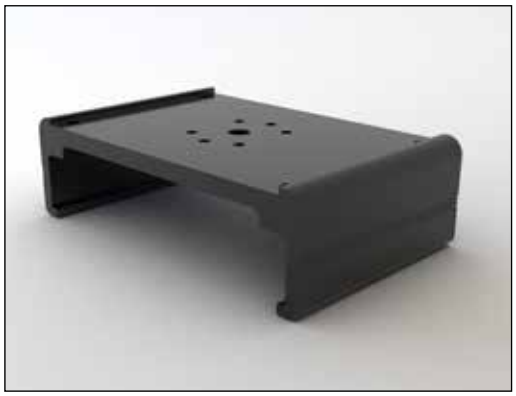
Frontgriffe
front handles

Höhe height	Best.-Nr. natur eloxiert part no natural anodized	Best.-Nr. schwarz eloxiert part no black anodized
52 mm	EPG80001N	EPG80001S
75 mm	EPG80002N	EPG80002S
100 mm	EPG80003N	EPG80003S

Frontgriffe
front handles

Universalhalterung (52 mm Länge)
universal bracket (52 mm length)

Höhe height	Best.-Nr. natur eloxiert part no natural anodized	Best.-Nr. schwarz eloxiert part no black anodized
52 mm	EPG90001N	EPG90001S
75 mm	EPG90002N	EPG90002S
100 mm	EPG90003N	EPG90003S



Universalbügelhalterung
universal bracket holder

Universal-Bügelgriffhalter
universal loop handle holder

Höhe Height	Best.-Nr. natur eloxiert Part no natural anodized	Best.-Nr. schwarz eloxiert Part no black anodized
52 mm	EPG90004N	EPG90004S
75 mm	EPG90005N	EPG90005S
100 mm	EPG90006N	EPG90006S

Schutzecken aus Polyamid 66
protective corners made of polyamide 66

Höhe - height	Best.-Nr. - part no.
52 mm	EPG60001-Farbe EPG60001-color
75 mm	EPG60002-Farbe EPG60002-color
100 mm	EPG60003-Farbe EPG60003-color

- Gewünschte Farbe bitte ergänzen. Z.B. EPG60001-7016 für RAL 7016 anthrazitgrau.
- Standardfarben: RAL7016, RAL2005, RAL5022, RAL6024 Andere Farben ab 1.000 Stück.

- Please add color code. For example, EPG60001-7016 for RAL 7016 anthracite gray.
- Standard color: RAL7016, RAL2005, RAL5022, RAL6024 Other colors: MOQ >1000 pcs.

Schutzecken aus Polyamid 66
protective corners made of polyamide 66

Schwenkbügelgriff komplett
pivot bracket handle complete

Gehäusebreite enclosure width	Bügelhöhe 180 mm clip height 180 mm	Bügelhöhe 250 mm clip height 250 mm
150 mm	EPG111518	EPG111525
200 mm	EPG112018	EPG112025
250 mm	EPG112518	EPG112525
300 mm	EPG113018	EPG113025
400 mm	EPG114018	EPG114025

- Für Oberfläche natur eloxiert der Best.-Nr. ein N anhängen.
- Für Oberfläche schwarz eloxiert der Best.-Nr. ein S anhängen.

- For natural anodized finish add N to the part number.
- For black anodized finish add S to the part number.

Schwenkbügelgriff komplett
pivot bracket handle complete

Wandhalterung und Dichtsatz IP65

aluflexx®

wall mount and seal kit IP65

Best.-Nr. part no.	Beschreibung description	VPE
EPG70001	Wandhalterung zur Montage an Schutzecken wall bracket for mounting on protective corner	4

Best.-Nr. part no.	Beschreibung description	VPE
EPG70002	Wandhalterung zur Montage an Frontplatte wall bracket for mounting on front panel	4

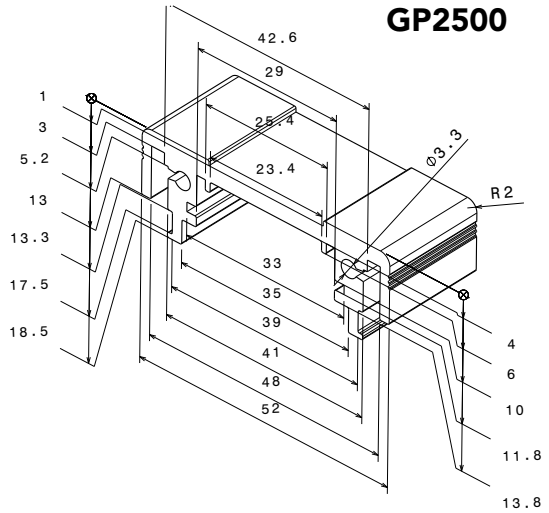
Best.-Nr. part no.	Beschreibung description
EPG50004-	Dichtsatz IP65 aus Zellkautschuk IP65 gasket set made of cellular rubber

- Bestell-Nr. ergänzen mit Gehäusebreite, Gehäusetiefe und Gehäusehöhe in mm, z.B. EPG50004-400-300-52. Die Gehäuse werden mit montierten Dichtungen geliefert.
- Please complete the part number with case-width, -depth and -height in mm, e.g. EPG50004-400-300-52. Comes with assembled IP65 gaskets.

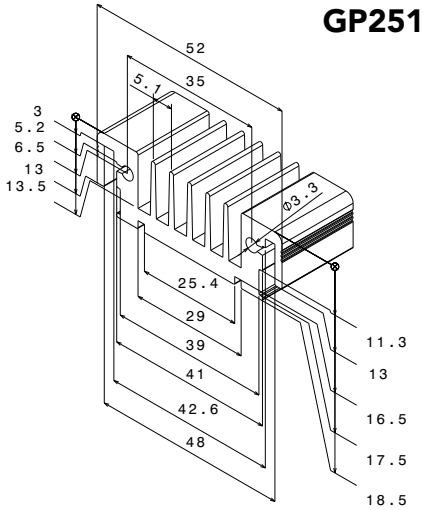
Best.-Nr. part no.	Beschreibung description
EPG50005-	EMV Dichtungs Set EMC gasket set

- Bestell-Nr. ergänzen mit Gehäusebreite, Gehäusetiefe und Gehäusehöhe in mm, z.B. EPG50005-400-300-52. Die Gehäuse werden mit montierten Dichtungen geliefert.
- Please complete the part number with case-width, -depth and -height in mm, e.g. EPG50005-400-300-52. Comes with assembled EMC gaskets.

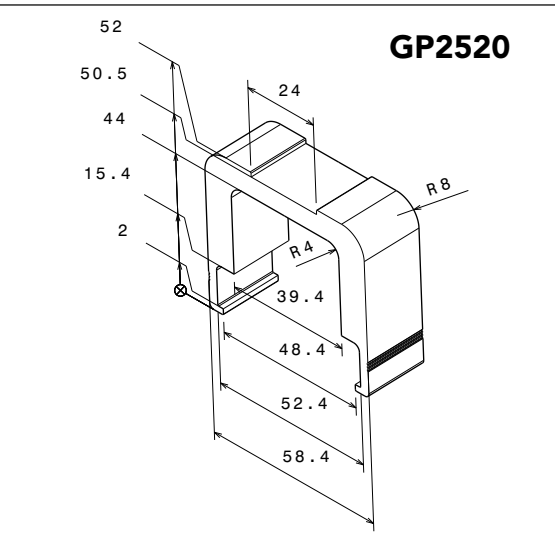
GP2500



GP2510



GP2520



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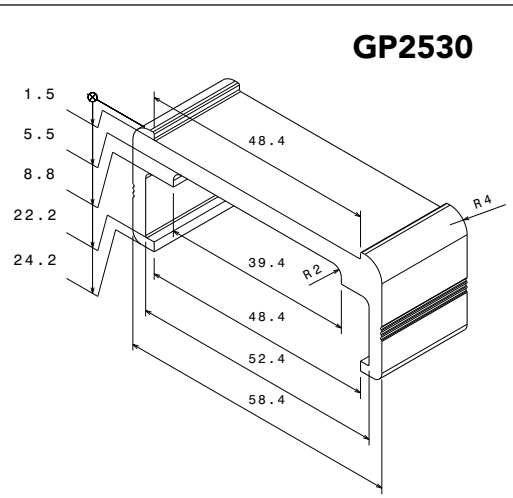
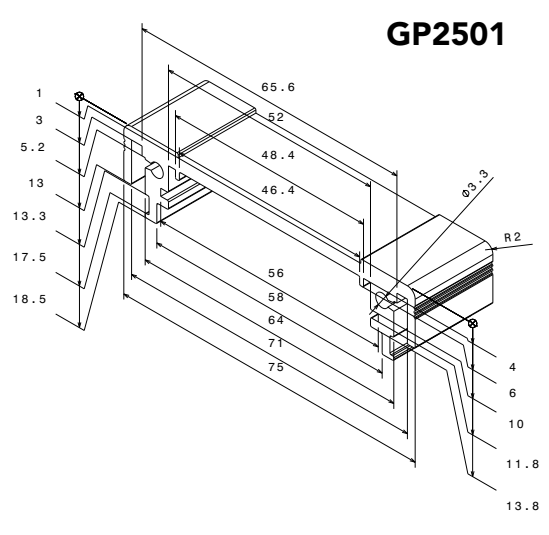


GP2501



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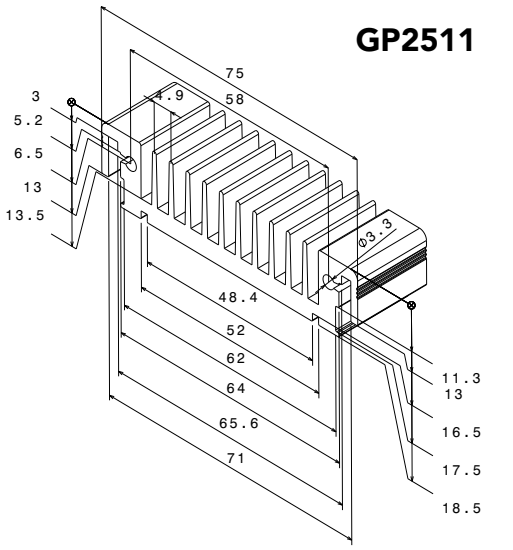
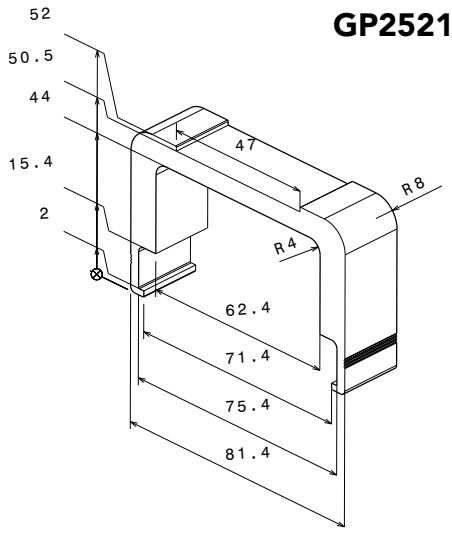
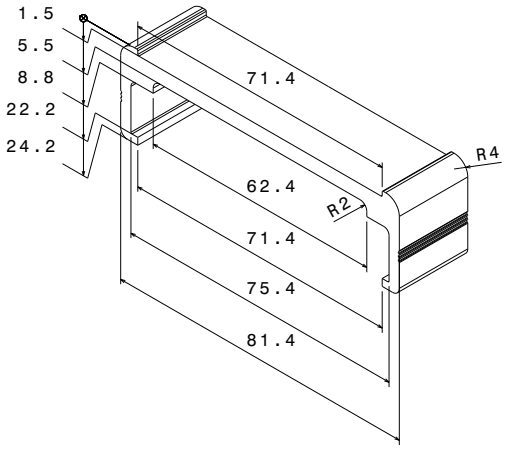


Profilübersicht aluflexx® profile overview

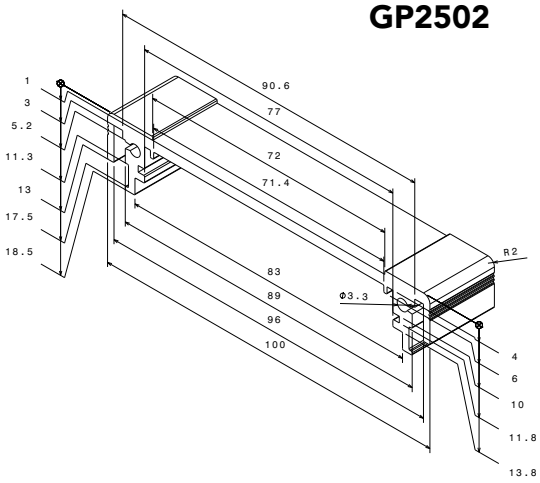
GP2521



GP2531



GP2502



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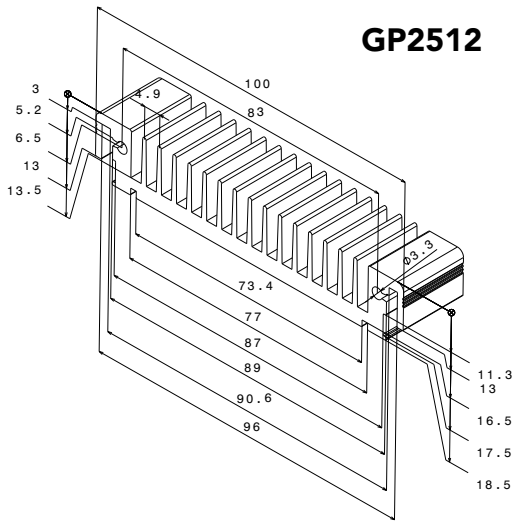
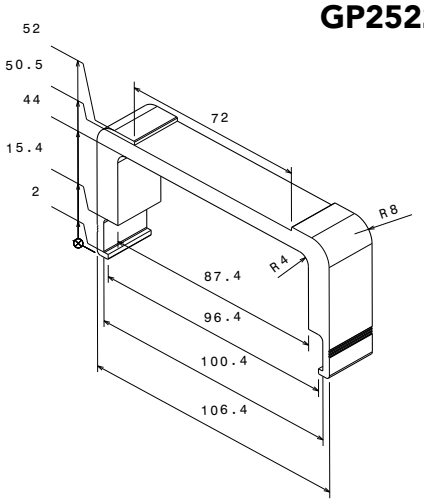


GP2522



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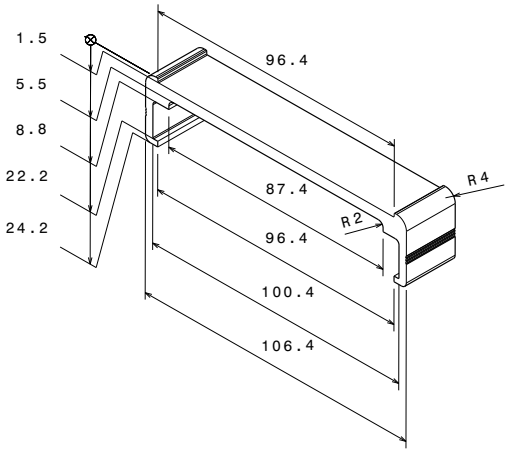
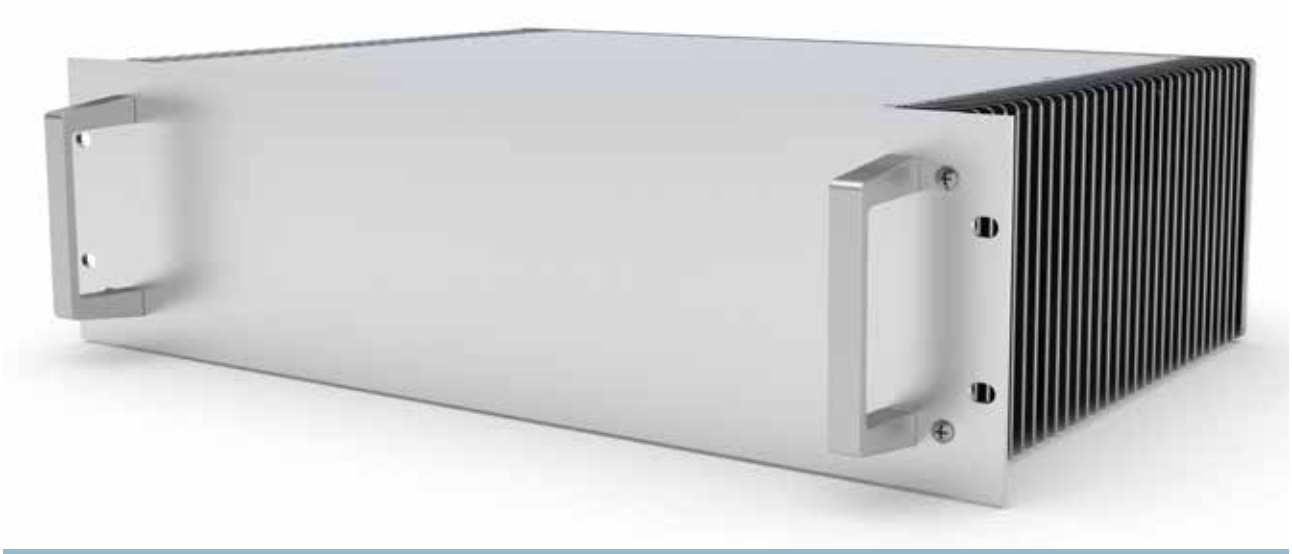


Notizen / Notice



Serie DSK 19“ Kühlkörpergehäuse

Series DSK 19“ heat sink enclosure

Modular aufgebaute Gehäuse mit seitlichen Kühlkörpern für die passive Kühlung innen liegender Elektronik. Die Gehäuse sind vollständig CNC-gefräst und erfüllen einen hohen Anspruch an Verarbeitungsqualität und Design.

Modular cooling element case with heat sinks for passive cooling of internal electronics. These enclosures are completely CNC-machined and meet a high standard of quality and design.

Ausführung:
Frontplatte, Rückwand und Kühlkörper aus Aluminiumprofilen. Deckel und Bodenblech aus 2 mm dickem Aluminiumblechen.

Explanation:
Front panel, rear panel and heat sink are made of aluminum profiles. Cover and base plate are made of 2 mm aluminum sheets.

Anwendung:
Diese Gehäuse sind besonders für Anwendungen geeignet, bei denen ungenormte Baugruppen sicher in ein Gehäuse eingebaut werden müssen und die Wärmeableitung über die Gehäuseoberfläche erfolgen soll.

Application:
The cooling element case is suitable for applications whith non standard modules for passive cooling of internal electronics.

Oberfläche:
Die Oberflächen sind naturfarbig eloxiert, Kühlkörper sind schwarz, blau oder farblos eloxiert.

Surface:
The panel surfaces are natural anodized, the heat sinks are black, blue or natural anodized.

Abmessungen der Standardgrößen:
Breite 19", Höhe 1 HE bis 3 HE,
Tiefen 247, 300, 494 mm.

Standard sizes:
width 19“, height 1U to 3U,
depth 247, 300, 494 mm.

Lieferform:
Die Gehäuse werden zerlegt geliefert inkl. aller Befestigungselemente.

Delivery form:
We deliver the enclosures disassembled incl. fasteners.

Bearbeitung nach Kundenwunsch:
Gerne bearbeiten und beschriften wir Ihnen diese Gehäuse nach Ihren Wünschen.

Custom machining:
We can also provide the customization and printing regarding your requirements.

Serie DSK 19“ Kühlkörpergehäuse

Series DSK 19“ heat sink enclosure

Einbaubreite 444 mm
Die nutzbare Innenbreite bei 300 mm Tiefe beträgt 364 mm. Die nutzbare Innenbreite bei 247 mm und 494 mm Tiefe beträgt 388 mm.

Andere Tiefen auf Anfrage.
Bei Ausführung mit Frontgriffen aus der Serie BGQ der Bestell-Nr. ein „G“ anhängen, z.B.: DSK48612G.

Installation width 444 mm
The useable inside width is 364 mm if depth is 300 mm. The usable inside width is 388 mm at if depth is 247 mm or 494 mm.

Other depths available on request.
Please add „G“ to the part no. for versions with front handles series BGQ, Example: DSK48612G.

DSK48210GS

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1 HE (43,6 mm) Innenhöhe inside height 39,4 mm	247 mm	DSK48210S	DSK48210B	DSK48210N
	300 mm	DSK48310S	DSK48310B	DSK48310N
	494 mm	DSK48250S	DSK48250B	DSK48250N

DSK48320GS

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1,5 HE (66,1 mm) Innenhöhe inside height 61,1 mm	247 mm	DSK48220S	DSK48220B	DSK48220N
	300 mm	DSK48320S	DSK48320B	DSK48320N
	494 mm	DSK48260S	DSK48260B	DSK48260N

DSK48270GS

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
2 HE (88,4 mm) Innenhöhe inside height 84,2 mm	247 mm	DSK48230S	DSK48230B	DSK48230N
	300 mm	DSK48330S	DSK48330B	DSK48330N
	494 mm	DSK48270S	DSK48270B	DSK48270N

DSK48340GS

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
3 HE (133 mm) Innenhöhe inside height 128,8 mm	247 mm	DSK48240S	DSK48240B	DSK48240N
	300 mm	DSK48340S	DSK48340B	DSK48340N
	494 mm	DSK48280S	DSK48280B	DSK48280N

Serie DSK Kühlkörper-Tischgehäuse

Series DSK heat sink desktop enclosure

Modular aufgebaute Gehäuse mit seitlichen Kühlkörpern für die passive Kühlung innen liegender Elektronik. Die Gehäuse sind vollständig CNC-gefräst und erfüllen einen hohen Anspruch an Verarbeitungsqualität und Design.

Ausführung:
Frontplatte, Rückwand und Kühlkörper aus Aluminiumprofilen. Deckel und Bodenblech aus 2 mm dicken Aluminiumblechen.

Anwendung:
Diese Gehäuse sind besonders für Anwendungen geeignet, bei denen ungenormte Bauteile sicher in ein Gehäuse eingebaut werden müssen und die Wärmeableitung passiv über die Gehäuseoberfläche erfolgt.

Oberfläche:
Die Oberflächen sind naturfarbig eloxiert, Kühlkörper sind schwarz, blau oder farblos eloxiert.

Abmessungen der Standardgrößen:
Breite 221, 295 und 444 mm, Höhe 1 HE bis 3 HE, Tiefen 247, 300, 494 mm.

Lieferform:
Die Gehäuse werden zerlegt geliefert inkl. aller Befestigungselemente.

Bearbeitung nach Kundenwunsch:
Gerne bearbeiten und beschriften wir Ihnen diese Gehäuse nach Ihren Wünschen.

Modular cooling element case with heat sinks for passive cooling of internal electronics. The enclosures are completely CNC-machined and meet a high standard of quality and design.

Explanation:
Front panel, rear panel and heat sink are made of aluminum profiles. Cover and base plates are made of 2 mm aluminum sheets.

Application:
The cooling element case is suitable for applications whith non-standard modules for passive cooling of internal electronics.

Surface:
The panel surfaces are natural anodized, the heat sinks are black, blue or natural anodized.

Standard sizes:
Width 221, 295 and 444 mm, Height 1U bis 3U, Depth 247, 300, 494 mm.

Delivery form:
We deliver the enclosures disassembled incl. fasteners.

Custom machining:
We can also provide the customization and printing regarding your requirements.

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Breite 444 mm
Die nutzbare Innenbreite bei 300 mm Tiefe beträgt 364 mm. Die nutzbare Innenbreite bei 247 mm und 494 mm Tiefe beträgt 388 mm.

Width 444 mm
The usable inside width at 300 mm depth is 364 mm. The usable inside width at 247 mm and 494 mm depth is 388 mm.

DSK44410S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1 HE (43,6 mm) Innenhöhe Inside height 39,4 mm	247 mm	DSK44410S	DSK44410B	DSK44410N
	300 mm	DSK44510S	DSK44510B	DSK44510N
	494 mm	DSK44450S	DSK44450B	DSK44450N

DSK44520S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1,5 HE (66,1 mm) Innenhöhe inside height 61,1 mm	247 mm	DSK44420S	DSK44420B	DSK44420N
	300 mm	DSK44520S	DSK44520B	DSK44520N
	494 mm	DSK44460S	DSK44460B	DSK44460N

DSK44430S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heasink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
2 HE (88,4 mm) Innenhöhe inside height 84,2 mm	247 mm	DSK44430S	DSK44430B	DSK44430N
	300 mm	DSK44530S	DSK44530B	DSK44530N
	494 mm	DSK44470S	DSK44470B	DSK44470N

DSK44480S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural hetsink
3 HE (133 mm) Innenhöhe inside height 128,8 mm	247 mm	DSK44440S	DSK44440B	DSK44440N
	300 mm	DSK44540S	DSK44540B	DSK44540N
	494 mm	DSK44480S	DSK44480B	DSK44480N

Serie DSK Kühlkörper-Tischgehäuse

Series DSK heat sink desktop enclosure

Einbaubreite 221,5 mm
Die nutzbare Innenbreite bei 247 mm und 494 mm Tiefe beträgt 165,5 mm.

Installation width 221.5 mm
The usable inside width at 247mm and 494mm depth is 165.5mm.

DSK22110S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1 HE (43,6 mm) Innenhöhe inside height 39,4 mm	247 mm	DSK22110S	DSK22110B	DSK22210N
	300 mm	-	-	-
	494 mm	DSK22150S	DSK22150B	DSK22150N

DSK22120S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1,5 HE (66,1 mm) Innenhöhe inside height 61,1 mm	247 mm	DSK22120S	DSK22120B	DSK22120N
	300 mm	-	-	-
	494 mm	DSK22160S	DSK22160B	DSK22160N

DSK22130S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
2 HE (88,4 mm) Innenhöhe inside height 84,2 mm	247 mm	DSK22130S	DSK22130B	DSK22130N
	300 mm	-	-	-
	494 mm	DSK22170S	DSK22170B	DSK22170N

DSK22180S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
3 HE (133 mm) Innenhöhe inside height 128,8 mm	247 mm	DSK22140S	DSK22140B	DSK22140N
	300 mm	-	-	-
	494 mm	DSK22180S	DSK22180B	DSK22180N

Serie DSK Kühlkörper-Tischgehäuse

Series DSK heat sink desktop enclosure

Einbaubreite 295,6 mm
Die nutzbare Innenbreite bei 247 mm und 494 mm beträgt 239,6 mm, bei 300 mm Tiefe 215,6 mm.

Installation width 295.6 mm
The usable inside at 247mm and 494mm depth is 239.6mm, at 300mm depth it is 215.6mm.

DSK29510S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1 HE (43,6 mm) Innenhöhe inside height 39,4 mm	247 mm	DSK29510S	DSK29510B	DSK29510N
	300 mm	DSK29590S	DSK29590B	DSK29590N
	494 mm	DSK29550S	DSK29550B	DSK29550N

DSK29520S

Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
1,5 HE (66,1 mm) Innenhöhe inside height 61,1 mm	247 mm	DSK29520S	DSK29520B	DSK29520N
	300 mm	DSK29591S	DSK29591B	DSK29591N
	494 mm	DSK29560S	DSK29560B	DSK29560N

DSK29530S

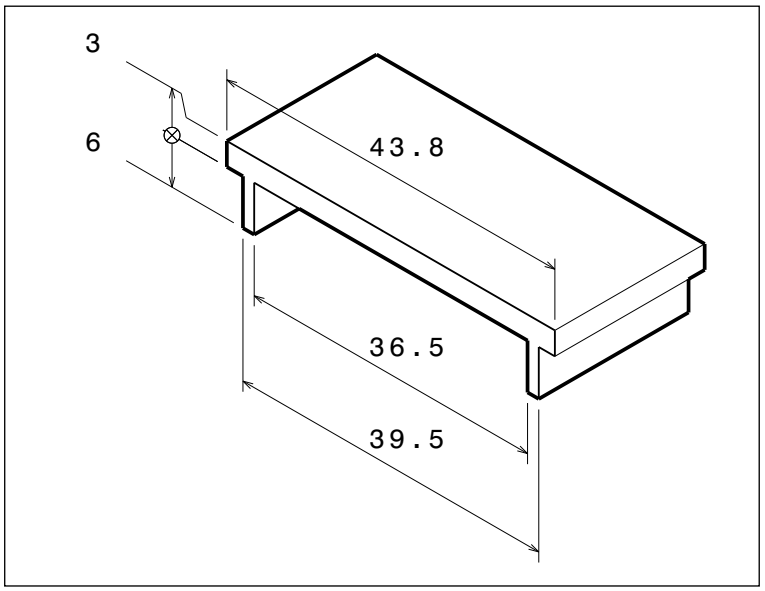
Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
2 HE (88,4 mm) Innenhöhe inside height 84,2 mm	247 mm	DSK29530S	DSK29530B	DSK29530N
	300 mm	DSK29592S	DSK29592B	DSK29592N
	494 mm	DSK29570S	DSK29570B	DSK29570N

DSK29540S

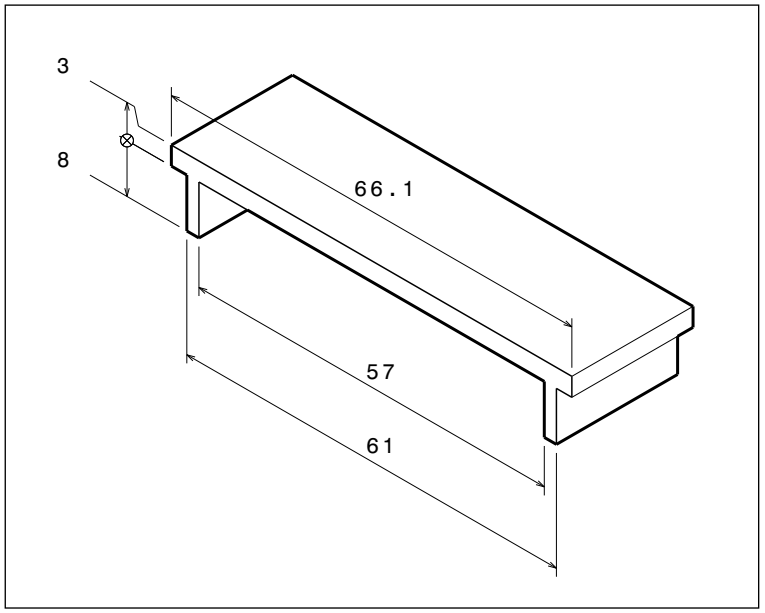
Höhe height	Tiefe innen depth inside	Best.-Nr. schwarze Kühlkörper part no. black heatsink	Best.-Nr. blaue Kühlkörper part no. blue heatsink	Best.-Nr. naturfarbige Kühlkörper part no. natural heatsink
3 HE (133 mm) Innenhöhe inside height 128,8 mm	247 mm	DSK29540S	DSK29540B	DSK29540N
	300 mm	DSK29593S	DSK29593B	DSK29593N
	494 mm	DSK29580S	DSK29580B	DSK29580N

Serie DSK
Profilübersicht

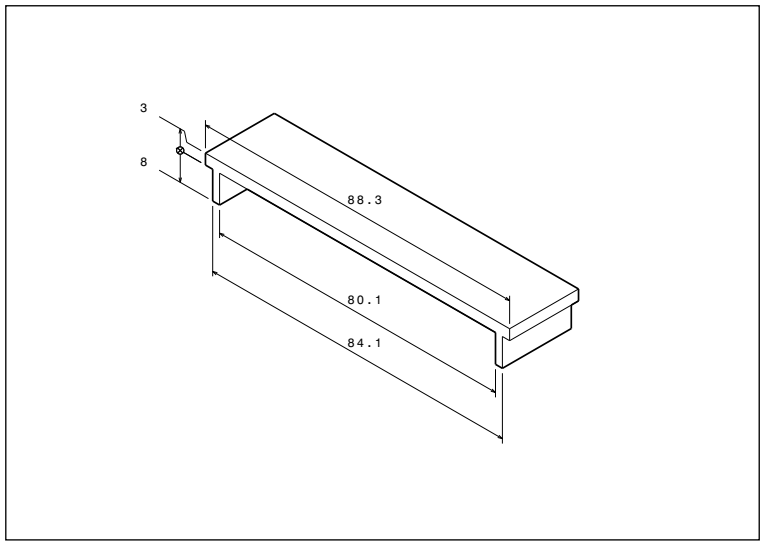
Series DSK
profile overview



GP2300
Frontplatte 1 HE
front panel 1U



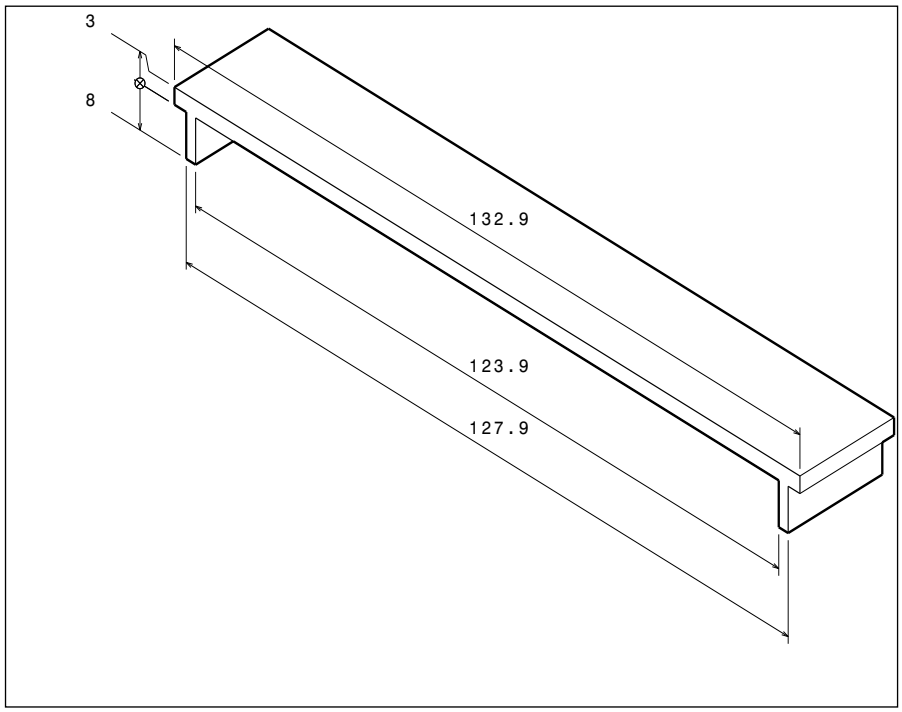
GP661
Frontplatte 1,5 HE
front panel 1,5U



GP662
Frontplatte 2 HE
front panel 2U

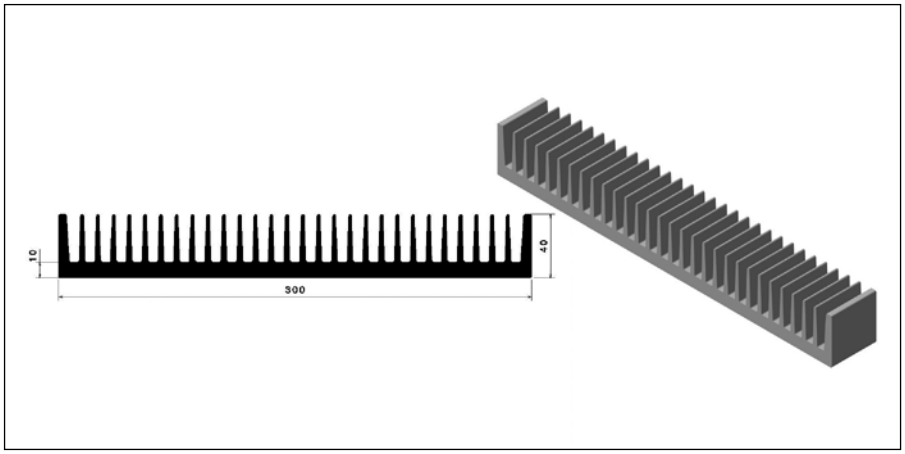
GP1323

Frontplatte 3 HE
front panel 3U



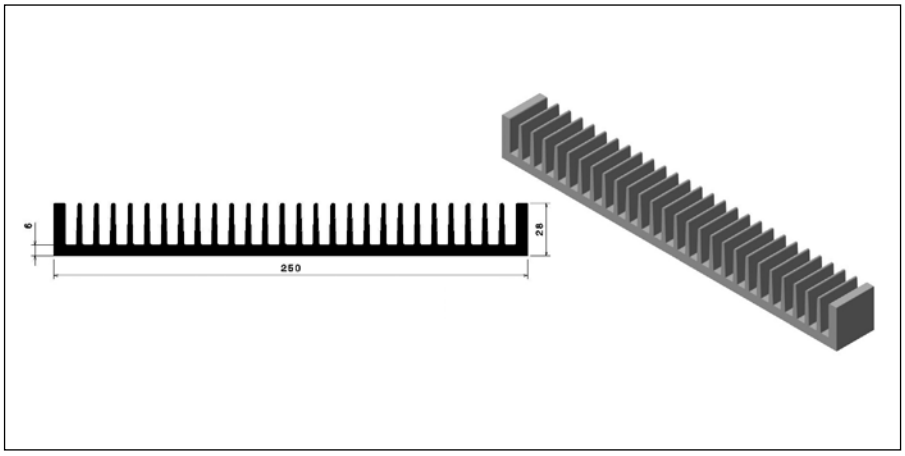
DA3004

Länge (mm) length (mm)	R (K / W)
50	0,55
75	0,45
100	0,40
150	0,35



DA49

Länge (mm) length (mm)	R (K / W)
50	1,40
75	1,00
100	0,80
150	0,60



Tubusgehäuse Serie TUB — tubular case series TUB

Tubusgehäuse mit Profil GP1050
tubular enclosure with profile GP1050

Tiefe ohne Frontplatte depth without front panel	Best.-Nr. part no.
50 mm	TUB1050
80 mm	TUB1080
100 mm	TUB1100
120 mm	TUB1120
160 mm	TUB1160

Tubusgehäuse mit Profil GP2050
tubular enclosure with profile GP2050

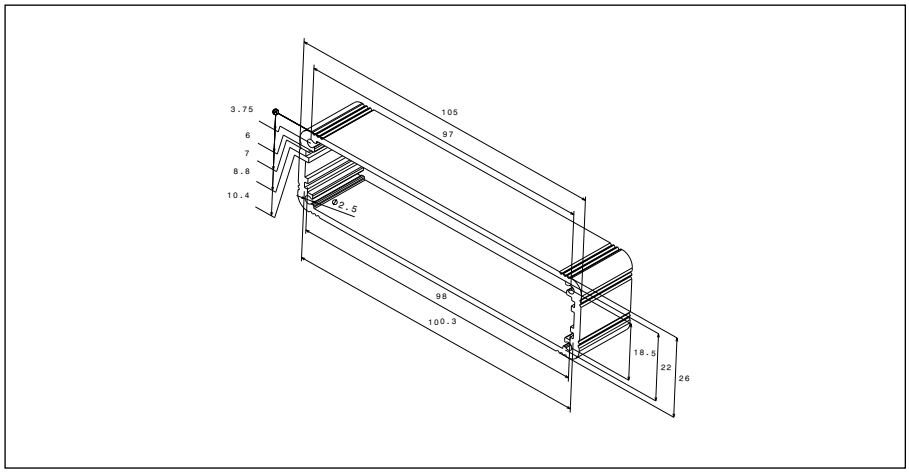
Tiefe ohne Frontplatte depth without front panel	Best.-Nr. part no
50 mm	TUB2050
80 mm	TUB2080
100 mm	TUB2100
120 mm	TUB2120
160 mm	TUB2160

Tubusgehäuse mit Profil GP8080
tubular enclosure with profile GP8080

Tiefe ohne FP depth without front panel	Best.-Nr. part no.
50 mm	TUB8050
80 mm	TUB8080
100 mm	TUB8100
120 mm	TUB8120
160 mm	TUB8160

Andere Längen sowie Frontplattenstärken ab 10 Stück möglich.

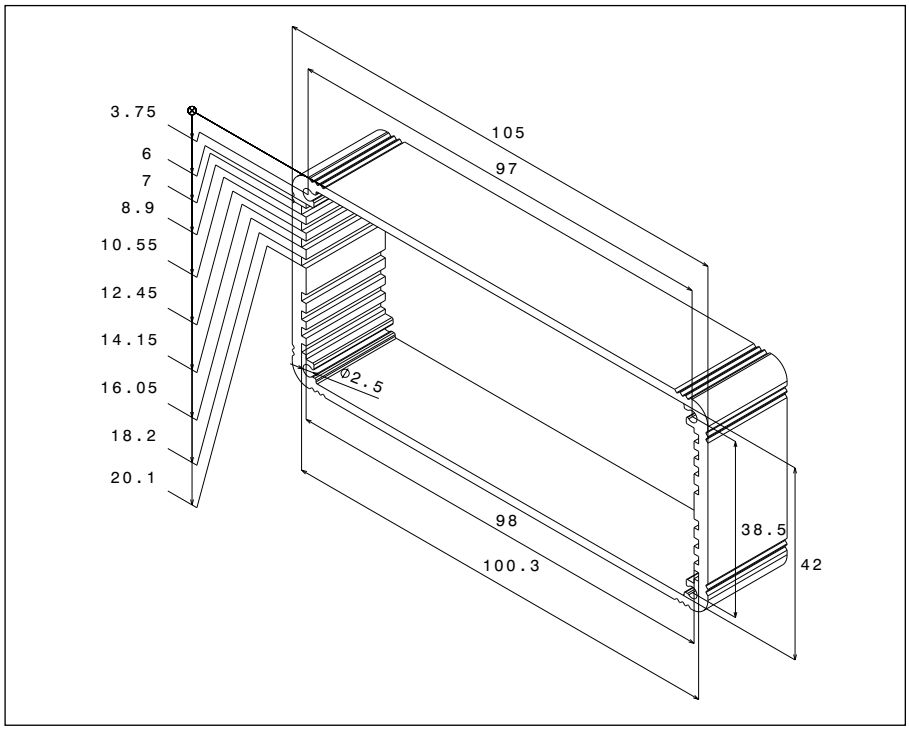
Other lengths and front panel thicknesses possible. MOQ >10 pcs.



GP1050

Tubusprofil zum Einbau von
100 mm breiten Leiterkarten.

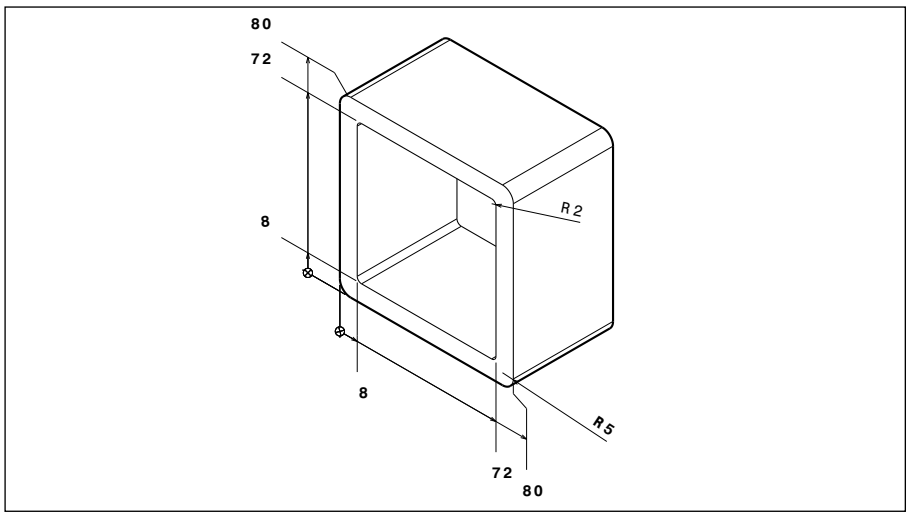
Tubular profile for insertion of 100
mm Eurocard sized PCBs.



GP2050

Wie GP1050, jedoch 46 mm hoch.

Same as GP1050 but
height 46 mm.



GP8080

Tubusprofil für Gehäuse bis IP67.

Tubular profile for applications
up to protection grade IP67.

Serie COF - Combiflex

Series COF - combiflex

COF Combiflex
Die Combiflex-Gehäuse bestehen aus 2 Strangpressprofilen, die sich beliebig miteinander kombinieren lassen und zwei Abschlussdeckeln, die mit vier M3 Schrauben mit den Profilen verschraubt werden.

Aktuell sind 4 Profile verfügbar, die insgesamt 9 Gehäuse-Varianten ergeben.

Weitere Profile sind in Vorbereitung. Gerne stellen wir diese auch nach Ihren Anforderungen her.

Eigenschaften:
- Aluminium-Strangpressprofil natur oder schwarz eloxiert
- 6 Standardlängen: 100, 120, 160, 200, 220, 234 mm
- Alu-Frontplatten aus 2 mm, 2,5 mm oder 3 mm natur, kobaltblau oder schwarz eloxiert
- Auch für eine Wandmontage geeignet
- Vertiefung in den Profilen für den Einsatz von Folien oder Folientastaturen
- Horizontale und vertikale Führungsnuten im Raster 5,08 mm
- horizontale Einbaubreite 100 mm für Europakarten
- Sonderlängen möglich
- Individuelle Bearbeitung auch im Expressdienst

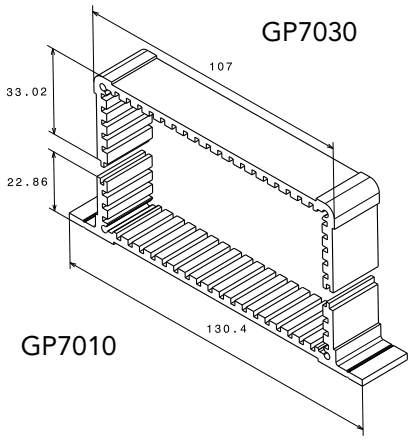
COF Combiflex
The Combiflex enclosure consists of 2 extrusions which can be combined with each other, and two end panels. The end panels are screwed with four M3 screws into the extrusions. Currently 4 profiles are available which yield 9 case variants in total.

Further profiles are in preparation. We produce new sizes according to your requirements as well.

Properties:
- Aluminium extrusion in natural or black anodized,
- 6 standard lengths: 100, 120, 160, 200, 220, 234 mm
- 2 mm, 2.5 mm or 3 mm thick front panels with natural, cobalt blue or black anodized surface
- Also suitable for wall mounting
- Recessed areas for insertion of front foils or membrane keyboards
- Horizontal and vertical guide grooves with 5.08 mm pitch
- Horizontal installation width for 100 mm Eurocards
- Special lengths available
- Individual processing also with express service

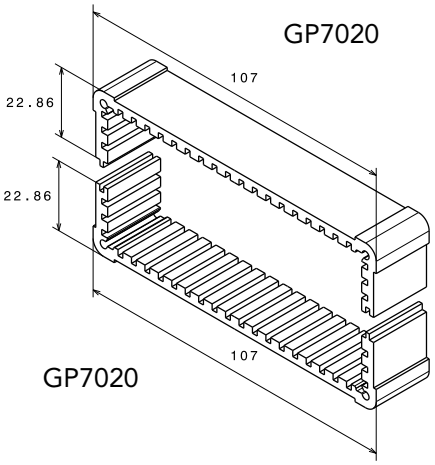
Kombination aus COF33-COF23
combination of COF33-COF23

Best.-Nr. Part no.	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF570100	COF33100	COF23100	COF56107	SH7506	100	56
COF570120	COF33120	COF23120	COF56107	SH7506	120	56
COF570160	COF33160	COF23160	COF56107	SH7506	160	56
COF570200	COF33200	COF23200	COF56107	SH7506	200	56
COF570220	COF33220	COF23220	COF56107	SH7506	220	56
COF570234	COF33234	COF23234	COF56107	SH7506	234	56



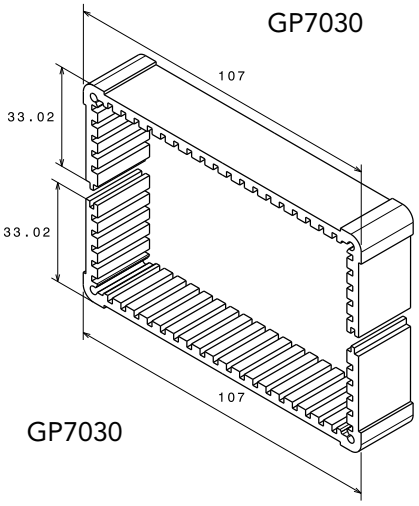
Kombination aus COF24-COF24
combination of COF24-COF24

Best.-Nr. Part no.	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF470100	COF24100	COF24100	COF46107	SH7506	100	46
COF470120	COF24120	COF24120	COF46107	SH7506	120	46
COF470160	COF24160	COF24160	COF46107	SH7506	160	46
COF470200	COF24200	COF24200	COF46107	SH7506	200	46
COF470220	COF24220	COF24220	COF46107	SH7506	220	46
COF470234	COF24234	COF24234	COF46107	SH7506	234	46



Kombination aus COF33-COF33
combination of COF33-COF33

Best.-Nr. Part no.	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF660100	COF33100	COF33100	COF66107	SH7506	100	66
COF660120	COF33120	COF33120	COF66107	SH7506	120	66
COF660160	COF33160	COF33160	COF66107	SH7506	160	66
COF660200	COF33200	COF33200	COF66107	SH7506	200	66
COF660220	COF33220	COF33220	COF66107	SH7506	220	66
COF660234	COF33234	COF33234	COF66107	SH7506	234	66

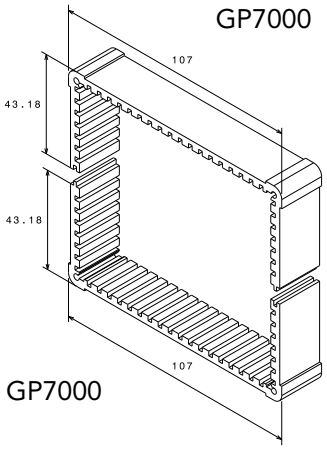


Serie COF Kombinationsmöglichkeiten

Series COF combination options

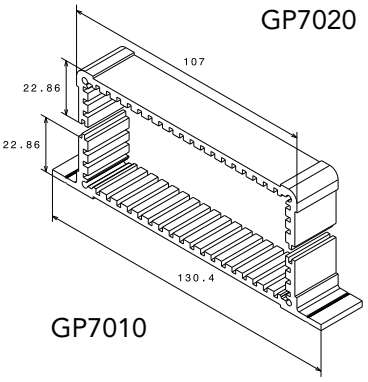
Kombination aus COF43-COF43
combination of COF43-COF43

Best.-Nr. Part no.	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF860100	COF43100	COF43100	COF86107	SH7506	100	86
COF860120	COF43120	COF43120	COF86107	SH7506	120	86
COF860160	COF43160	COF43160	COF86107	SH7506	160	86
COF860200	COF43200	COF43200	COF86107	SH7506	200	86
COF860220	COF43220	COF43220	COF86107	SH7506	220	86
COF860234	COF43234	COF43234	COF86107	SH7506	234	86



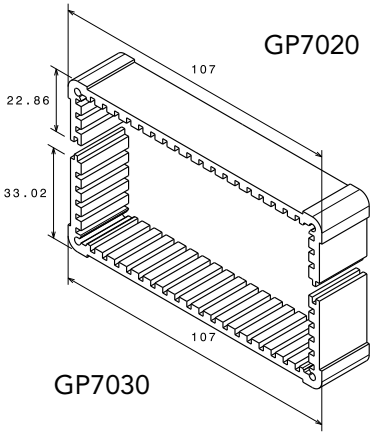
Kombination aus COF24-COF23
combination of COF24-COF23

Best.-Nr. Part no.	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF461100	COF24100	COF23100	COF46107	SH7506	100	46
COF461120	COF24120	COF23120	COF46107	SH7506	120	46
COF461160	COF24160	COF23160	COF46107	SH7506	160	46
COF461200	COF24200	COF23200	COF46107	SH7506	200	46
COF461220	COF24220	COF23220	COF46107	SH7506	220	46
COF461234	COF24234	COF23234	COF46107	SH7506	234	46



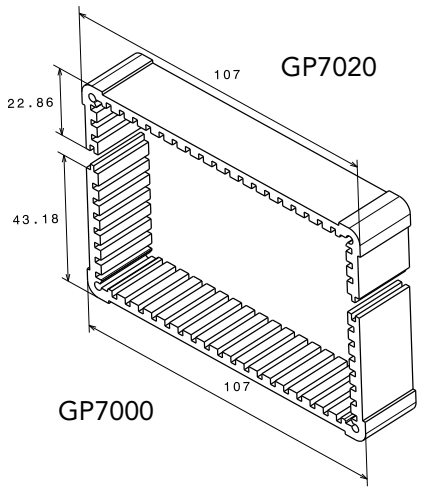
Kombination aus COF24-COF33
combination of COF24-COF33

Best.-Nr. Part no.	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF561100	COF24100	COF33100	COF56107	SH7506	100	56
COF561120	COF24120	COF33120	COF56107	SH7506	120	56
COF561160	COF24160	COF33160	COF56107	SH7506	160	56
COF561200	COF24200	COF33200	COF56107	SH7506	200	56
COF561220	COF24220	COF33220	COF56107	SH7506	220	56
COF561234	COF24234	COF33234	COF56107	SH7506	234	56



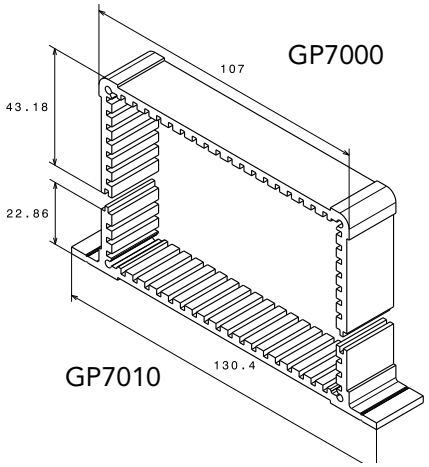
Kombination aus COF24-COF43
combination of COF24-COF43

Best.-Nr. Part no	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF661100	COF24100	COF43100	COF66107	SH7506	100	66
COF661120	COF24120	COF43120	COF66107	SH7506	120	66
COF661160	COF24160	COF43160	COF66107	SH7506	160	66
COF661200	COF24200	COF43200	COF66107	SH7506	200	66
COF661220	COF24220	COF43220	COF66107	SH7506	220	66
COF661234	COF24234	COF43234	COF66107	SH7506	234	66



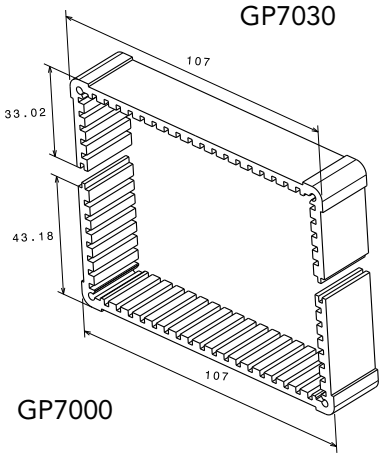
Kombination aus COF43-COF23
combination of COF43-COF23

Best.-Nr. Part no	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF671100	COF43100	COF23100	COF66107	SH7506	100	66
COF671120	COF43120	COF23120	COF66107	SH7506	120	66
COF671160	COF43160	COF23160	COF66107	SH7506	160	66
COF671200	COF43200	COF23200	COF66107	SH7506	200	66
COF671220	COF43220	COF23220	COF66107	SH7506	220	66
COF671234	COF43234	COF23234	COF66107	SH7506	234	66



Kombination aus COF33-COF43
combination of COF33-COF43

Best.-Nr. Part no	Profil oben Profile top	Profil unten Profile bottom	Deckel 2 Stück Top cover 2 Pcs	Schrauben 8 Stück Screw 8 PCS	Tiefe Depth	Höhe Height
COF761100	COF33100	COF43100	COF76107	SH7506	100	76
COF761120	COF33120	COF43120	COF76107	SH7506	120	76
COF761160	COF33160	COF43160	COF76107	SH7506	160	76
COF761200	COF33200	COF43200	COF76107	SH7506	200	76
COF761220	COF33220	COF43220	COF76107	SH7506	220	76
COF761234	COF33234	COF43234	COF76107	SH7506	234	76



Serie COF - Combiflex

Series COF - combiflex

Profile / profiles

Best.-Nr. / Part no.	Profil	Länge / Length	Höhe / Height
COF43100 ☐	GP7000	100	43,2
COF43120 ☐	GP7000	120	43,2
COF43160 ☐	GP7000	160	43,2
COF43200 ☐	GP7000	200	43,2
COF43220 ☐	GP7000	220	43,2
COF43234 ☐	GP7000	234	43,2
COF23100 ☐	GP7010	100	22,9
COF23120 ☐	GP7010	120	22,9
COF23160 ☐	GP7010	160	22,9
COF23200 ☐	GP7010	200	22,9
COF23220 ☐	GP7010	220	22,9
COF23234 ☐	GP7010	234	22,9
COF24100 ☐	GP7020	100	22,9
COF24120 ☐	GP7020	120	22,9
COF24160 ☐	GP7020	160	22,9
COF24200 ☐	GP7020	200	22,9
COF24220 ☐	GP7020	220	22,9
COF24234 ☐	GP7020	234	22,9
COF33100 ☐	GP7030	100	33
COF33120 ☐	GP7030	120	33
COF33160 ☐	GP7030	160	33
COF33200 ☐	GP7030	200	33
COF33220 ☐	GP7030	220	33
COF33234 ☐	GP7030	234	33

Deckel / cover

Best.-Nr. Part no.	Höhe (A) Height(A)	Breite(B) Width (B)	Dicke (t) Thickness(t)
COF46107 ☐	46	107	2
COF46107 ☐	46	107	2,5
COF46107 ☐	46	107	3
COF56107 ☐	56	107	2
COF56107 ☐	56	107	2,5
COF56107 ☐	56	107	3
COF66107 ☐	66	107	2
COF66107 ☐	66	107	2,5
COF66107 ☐	66	107	3
COF76107 ☐	76	107	2
COF76107 ☐	76	107	2,5
COF76107 ☐	76	107	3
COF86107 ☐	86	107	2
COF86107 ☐	86	107	2,5
COF86107 ☐	86	107	3

Farbcode Color code	Farbe / Color
N	natur natural
B	schwarz black
C	kobaltblau cobalt blue

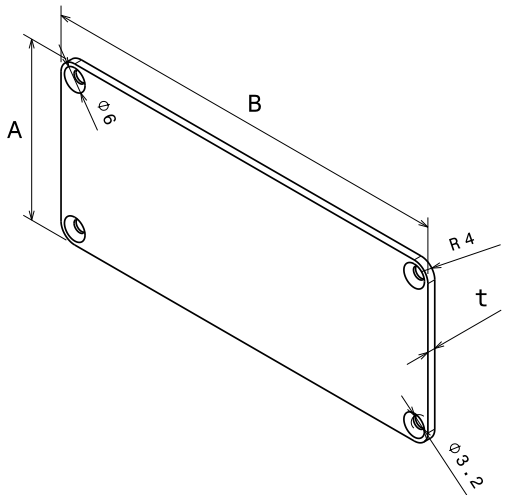
Farbige Kunststoffecken aus Polyamid als Eckenschutz oder Designelement

Colored plastic polyamide corners as protection or design element

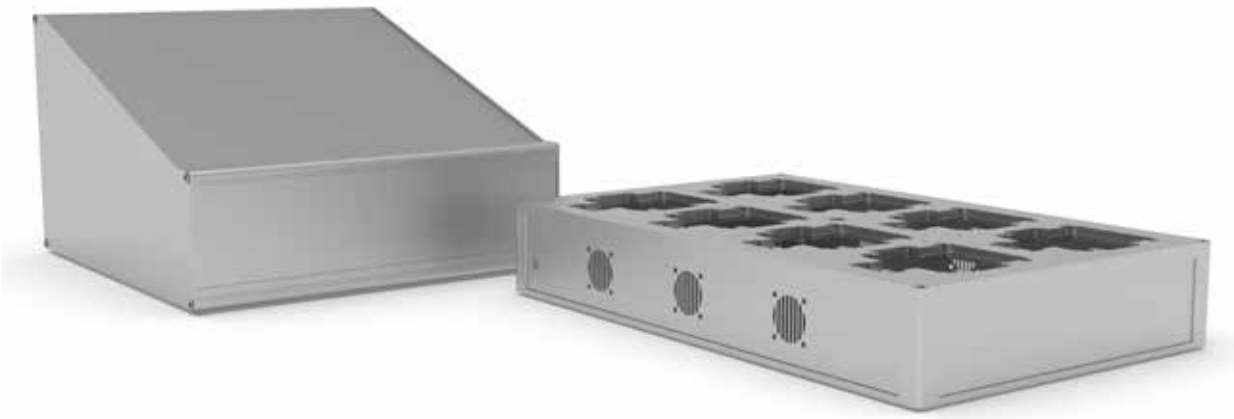
Bezeichnung / Part name	Best.-Nr. / Part no.
Eckenschutz orange corner protection orange	PG1520
Eckenschutz nachtblau corner protection night blue	PG1521
Eckenschutz anthrazit corner protection anthracite	PG1522
Eckenschutz grün corner protection green	PG1523

Bei Bestellung des Deckels bitte Bestellnummer mit dem gewünschten Farbcode vervollständigen.

When ordering the panels please suffix the part number with the color code.



Notizen / Notice



Profilgehäuse Serie PG

profile housing series PG

Die Serie PG besticht durch ihre vollkommen freien Gestaltungsmöglichkeiten hinsichtlich Form und Größe.

Bestehend aus Eckwinkelprofilen und Aluminiumblechen, sind die verschiedensten Formen denkbar.

Alle Bauteile sind naturfarbig eloxiert. Die Materialstärke der Bleche beträgt 2 mm. Es können auch Bleche mit größerer Stärke verwendet werden.

Da die Gestaltungsmöglichkeiten sehr vielfältig sind, gibt es zu dieser Serie keine Standardgrößen. Alle Parameter werden individuell auf die Kundenwünsche und den beabsichtigten Verwendungszweck abgestimmt.
Zur Anforderung von Konstruktionsdaten wenden Sie sich bitte an unsere Konstruktionsabteilung.

Mindestbestellmenge 10 Stück in gleicher Form und Ausführung.

The PG series is characterized by various design options in shape and size.

Consisting of corner profiles and aluminum sheets.

All components are natural anodized. The thickness of the aluminium sheets is 2 mm. It`s also possible to use thicker material.

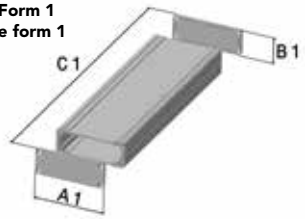
We do not have standard sizes for this series, because of the many design possibilities. All parameters are individually defined to the customer requirements and the intended use.
To request construction data, please contact our development-department.

Minimum order quantity 10 pieces with the same shape and dimensions.

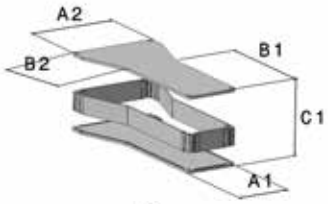
Ausführungsbeispiele

exemplary embodiments

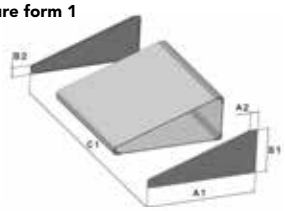
Handgehäuse Form 1
Hand enclosure form 1



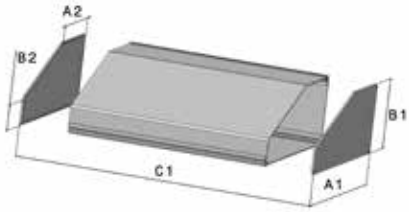
Handgehäuse Form 2
Hand enclosure form 2



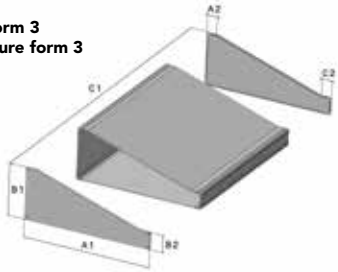
Pultgehäuse Form 1
Console enclosure form 1



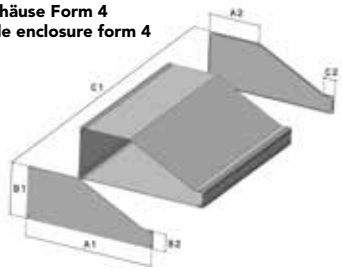
Pultgehäuse Form 2
Console enclosure form 2



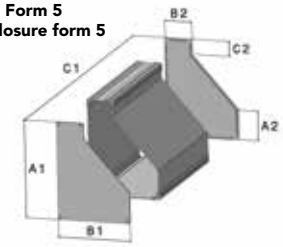
Pultgehäuse Form 3
Console enclosure form 3



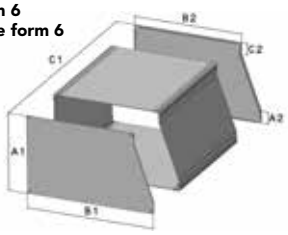
Pultgehäuse Form 4
Console enclosure form 4



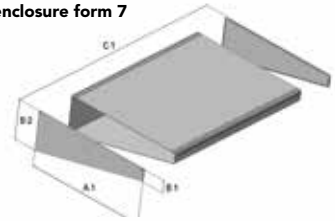
Pultgehäuse Form 5
Console enclosure form 5



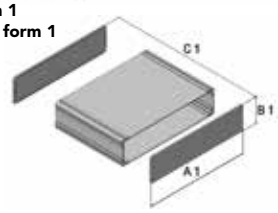
Pultgehäuse Form 6
Console enclosure form 6



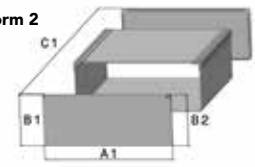
Pultgehäuse Form 7
Console enclosure form 7



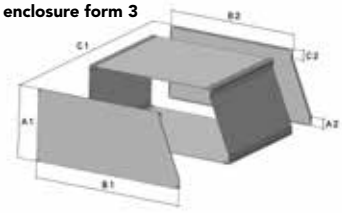
Tischgehäuse Form 1
Desktop enclosure form 1



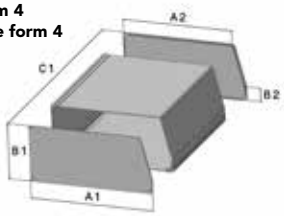
Tischgehäuse Form 2
Desktop enclosure form 2



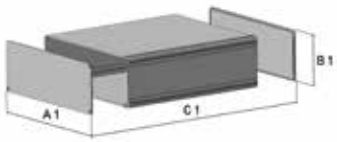
Tischgehäuse Form 3
Desktop enclosure form 3



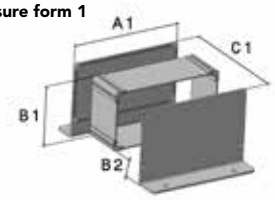
Tischgehäuse Form 4
Desktop enclosure form 4



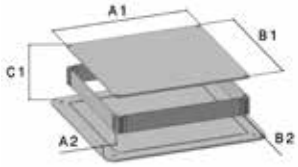
Tischgehäuse Form 5
Desktop enclosure form 5



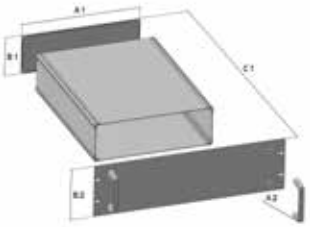
Wandgehäuse Form 1
Wall mount enclosure form 1



Wandgehäuse Form 2
Wall mount enclosure form 2



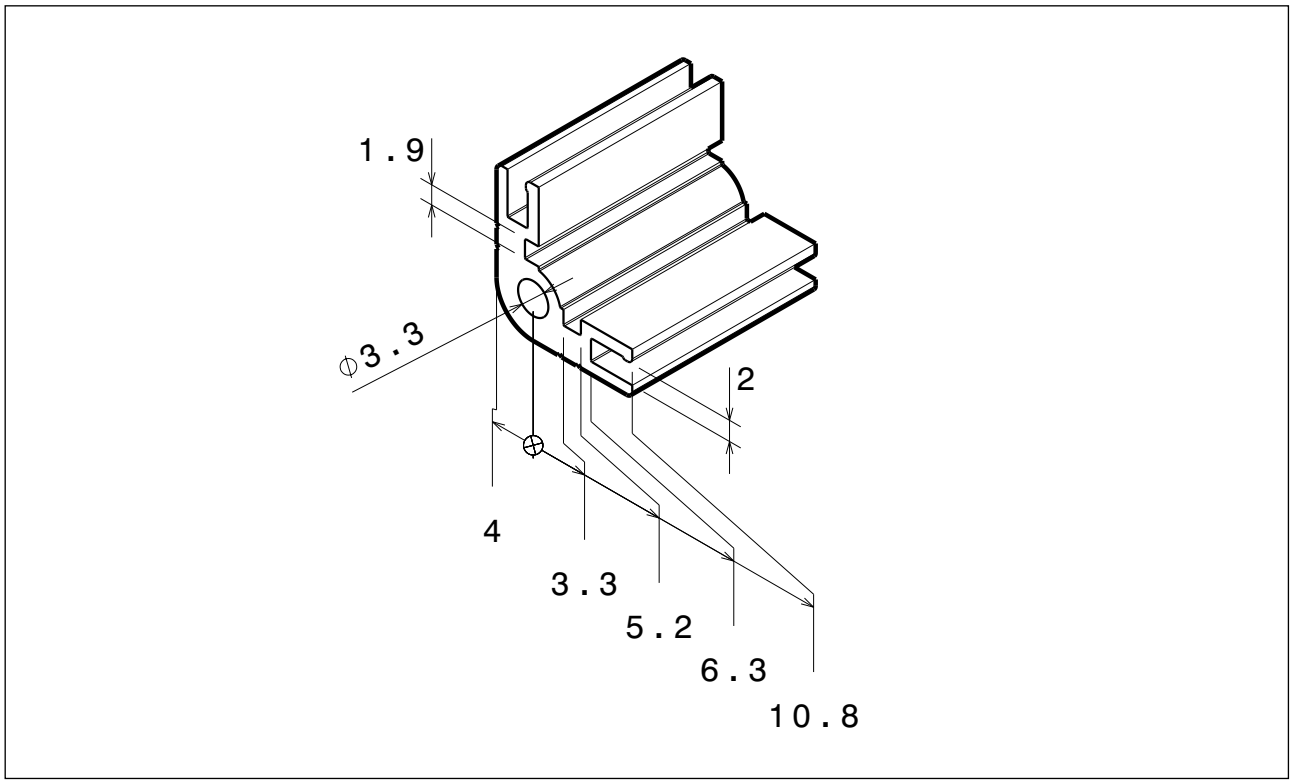
19"-Gehäuse Form 1
19"-enclosure form 1



Farbige Kunststoffecken aus Polyamid als Eckenschutz oder Designelement
Colored plastic polyamide corners as protection or design elements

Bezeichnung / Part name	Best.-Nr. / Part no.
Eckenschutz orange corner protection orange	PG1520
Eckenschutz nachtblau corner protection night blue	PG1521
Eckenschutz anthrazit corner protection anthracite	PG1522
Eckenschutz grün corner protection green	PG1523

Profilübersicht PG — profile overview PG



GP1515
Eckprofil
corner profile

Notizen / Notice

Serie TEG
19“-Teileinschubgehäuse

Series TEG 19“-part
insert subrack enclosure

19“ 1HE + 2HE Kartenträger-Volleinschub. Passend für den waagerechten Einbau von Europakarten 3HE, 6HE oder 9HE und bis 16TE (81 mm) Breite.

Für Leiterplattentiefe 160 mm oder 220 mm. Diverse Möglichkeiten zur Montage von Steckverbindern oder Backpanels.

19“ 1U + 2U full insert card support, available in several variations. Suitable for horizontal mounting of Eurocards 3U, 6U or 9U and up to 16HP (81 mm) width.

For PCBs 160 mm or 220 mm depth. Various possibilities for mounting connectors or back panels.

Ausführung:
Das Gehäuse ist außen naturfarbig eloxiert und innen leitend chromfrei passiviert. Mit oder ohne Lüftungsschlitze im Deckel/Boden oder in den Seiten. Als 19“-Einbau- oder Tischgehäuse. Lüftungseinheit als Option integriert.

Anwendung:
Platzsparender waagerechter Einbau von Leiterkarten (Europakarten).

Abmessungen:
19“ (483 mm) Breite, 1 oder 2HE Höhe, Tiefe 260 mm für Leiterkarten 160 mm Länge und 320 mm für Leiterkarten 220 mm Länge.

Tischgehäuse 444, 295, 147 mm Breite, 1 oder 2HE Höhe, Tiefe 260 mm für Leiterkarten 160 mm.

Explanation:
The enclosure is natural anodized on the exterior and passivated free from chromium (VI) on the interior. With or without ventilation slots in top, bottom or side walls. 19“- plug in - or desktop versions available. Fan-ventilation unit integrated as an option.

Application:
Space-saving horizontal mounting of Eurocard PCBs.

Dimensions:
19“(483 mm) width, 1 or 2U height, 260 mm depth for PCBs with 160 mm length and 320 mm depth for PCBs with 220 mm length.

Desktop case with 444, 295, 147 mm width, 1 or 2U height, 260 mm depth for PCBs with 160 mm depth.

Ausführung 3 × 3HE / version 3 × 3U

Höhe Height	Tiefe innen inside depth	Best.-Nr. 19" ohne Frontgriffe Part no. 19" without front handle	Best.-Nr. 19" mit Frontgriffen Part no. 19" with front handle	Best.-Nr. 444 mm Tischgehäuse Part no. 444mm desktop enclosure
1HE (43,6 mm) Innenhöhe Inside height 8TE (40,6 mm)	260 mm (160 mm) Kartentiefe PCB depth	TEG48612	TEG48612G	TEG44412
	320 mm (220 mm) Kartentiefe PCB depth	TEG48642	TEG48642G	TEG44442

TEG48612G

Höhe Height	Tiefe innen inside depth	Best.-Nr. 19" ohne Frontgriffe Part no. 19" without front handle	Best.-Nr. 19" mit Frontgriffen Part no. 19" with front handle	Best.-Nr. 444 mm Tischgehäuse Part no. 444mm desktop enclosure
2HE (88,4 mm) Innenhöhe 16 TE Insideheight 16HP	260 mm (160 mm) Kartentiefe PCB depth	TEG48632	TEG48632G	TEG44432
	320 mm (220 mm Kartentiefe PCB depth	TEG48662	TEG48662G	TEG44462

TEG48632

Ausführung 1 × 3HE + 1 × 6HE / version 1 × 3U + 1 × 6U

Höhe Height	Tiefe innen inside depth	Best.-Nr. 19" ohne Frontgriffe Part no. 19" without front handle	Best.-Nr. 19" mit Frontgriffen Part no. 19" with front handle	Best.-Nr. 444 mm Tischgehäuse Part no. 444mm desktop enclosure
1HE (43,6 mm) Innenhöhe Inside height 8TE (40,6 mm)	260 mm (160 mm) Kartentiefe PCB depth	TEG48613	TEG48613G	TEG44413
	320 mm (220 mm) Kartentiefe PCB depth	TEG48643	TEG48614G	TEG44443

TEG44413

Höhe Height	Tiefe innen inside depth	Best.-Nr. 19" ohne Frontgriffe Part no. 19" without front handle	Best.-Nr. 19" mit Frontgriffen Part no. 19" with front handle	Best.-Nr. 444 mm Tischgehäuse Part no. 444mm desktop enclosure
2HE (88,4 mm) Innenhöhe Inside height 16TE (81 mm)	260 mm (160 mm) Kartentiefe PCB depth	TEG48633	TEG48633G	TEG44433
	320 mm (220 mm) Kartentiefe PCB depth	TEG48663	TEG48663G	TEG44463

TEG48633G

Serie TEG — Series TEG

Ausführung 1 × 3HE / version 1 × 3U

TEG14712

Höhe Height	Tiefe innen inside depth	Best.-Nr. 147,3 mm Tischgehäuse Part no 147,3 mm Desktop enclosure
1HE (43,6 mm) Innenhöhe Inside height 8TE (40,6 mm)	260 mm (160 mm Kartentiefe) PCB depth	TEG14712
	320 mm (220 mm Kartentiefe) PCB depth	TEG14742

TEG14732

Höhe Height	Tiefe innen inside depth	Best.-Nr. 147,3 mm Tischgehäuse Part no 147,3 mm Desktop enclosure
2HE (88,4 mm) Innenhöhe Inside height 16TE (81 mm)	260 mm (160 mm Kartentiefe) PCB depth	TEG14732
	320 mm (220 mm Kartentiefe) PCB depth	TEG14762

Ausführung 2 × 3HE / version 2 × 3U

TEG29612

Höhe Height	Tiefe innen inside depth	Best.-Nr. 295,6 mm Tischgehäuse Part no. 295,6 mm Desktop enclosure
1HE (43,6 mm) Innenhöhe Inside height 8TE (40,6 mm)	260 mm (160 mm Kartentiefe) PCB depth	TEG29612
	320 mm (220 mm Kartentiefe) PCB depth	TEG29642

TEG29632

Höhe Height	Tiefe innen inside depth	Best.-Nr. 295,6 mm Tischgehäuse Part no. 295,6 mm Desktop enclosure
2HE (88,4 mm) Innenhöhe Inside height 16TE (81 mm)	260 mm (160 mm Kartentiefe) PCB depth	TEG29632
	320 mm (220 mm Kartentiefe) PCB depth	TEG29662

Ausführung 1 × 6HE / version 1 × 6U (ohne Abbildungen / not Illustrated)

Höhe Height	Tiefe innen inside depth	Best.-Nr. 295,6 mm Tischgehäuse Part no. 295,6 mm Desktop enclosure
1HE (43,6 mm) Innenhöhe Inside height 8TE (40,6 mm)	260 mm (160 mm Kartentiefe) PCB depth	TEG29613
	320 mm (220 mm Kartentiefe) PCB depth	TEG29643
2HE (88,4 mm) Innenhöhe Inside height 16TE (81 mm)	260 mm (160 mm Kartentiefe) PCB depth	TEG29633
	320 mm (220 mm Kartentiefe) PCB depth	TEG29663

Bei Ausführung mit seitlichen Lüftungsschlitzen der Best.-Nr. ein „S“ anhängen, z.B.: TEG29662S.
Bei Ausführung für Backplanemontage ohne Isolation der Best.-Nr. ein „A“ anhängen, z.B.: TEG29662A.
Bei Ausführung für Backplanemontage mit Isolation der Best.-Nr. ein „B“ anhängen, z.B.: TEG29662B.

Versions with side ventilation slots please add to order number „S“ for example: TEG29662S.
For backplane mounting without insolation please add to order number „A“, for example: TEG29662A.
For backplane mounting with insolation please add to order number „B“, for example: TEG29662B.

Ausführung 1 × 9HE / version 1 × 9U

Höhe Height	Tiefe innen inside depth	Best.-Nr. 19" ohne Frontgriffe Part no. 19” without front handle	Best.-Nr. 19" mit Frontgriffen Part no. 19” with front handle	Best.-Nr. 444 mm Tischgehäuse Part no. 444 mm desktop enclosure
1HE (43,6 mm) Innenhöhe Inside height 8TE (40,6 mm)	260 mm (160 mm Kartentiefe) PCB depth	TEG48614	TEG48614G	TEG44414
	320 mm (220 mm) Kartentiefe PCB depth	TEG48644	TEG48644G	TEG44444
Höhe Height	**Tiefe innen inside depth**	**Best.-Nr. 19" ohne Frontgriffe Part no. 19” without front handle**	**Best.-Nr. 19" mit Frontgriffen Part no. 19” with front handle**	**Best.-Nr. 444 mm Tischgehäuse Part no. 444 mm desktop enclosure**
2HE (88,4 mm) Innenhöhe Inside height 16TE (81 mm)	260 mm (160 mm) Kartentiefe PCB depth	TEG48634	TEG48634G	TEG44434
	320 mm (220 mm) Kartentiefe PCB depth	TEG48664	TEG48664G	TEG44464

TEG48614GS

TEG44464

Bezeichnung	Best.-Nr. / Part No.
Kartenführung 160 mm card guide 160 mm	TEG1600
Kartenführung 220 mm card guide 220 mm	TEG2200

TEG1600

Serie TEG Lüftermodul

Series TEG fanmodule

Bezeichnung	Best.-Nr. / Part No.	
Lüftermodul 1 HE 12 V DC fan module 1 HE 12V DC	TEG10002	**TEG10002**
Lüftermodul 1 HE 12V DC fan module 1 HE 12V DC	TEG10003	**TEG10003**
Lüftermodul 2 HE 12 V DC fan module 2 HE 12V DC	TEG20001	**TEG20001**
Lüftermodul 2 HE 12V DC fan module 2 HE 12V DC	TEG20002	**TEG20002**

Das Lüftermodul wird links oder rechts an den Modulschienen befestigt. Einbau nur sinnvoll bei Ausführung mit seitlichen Lüftungsschlitzen.

Andere Lüfterspannungen auf Anfrage.

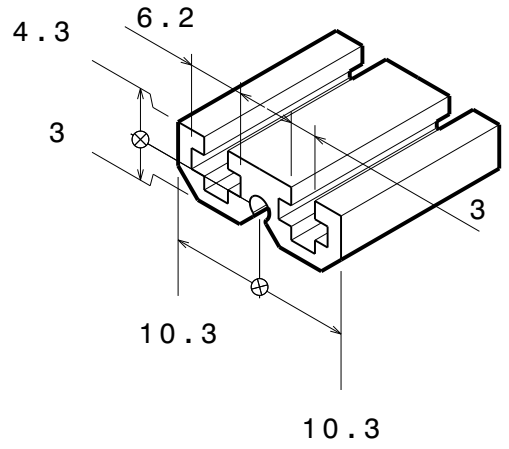
The fan module is attached into the module rails to the left or right side. Installation is only recommended for versions with side vents.

Other fan voltages on request.

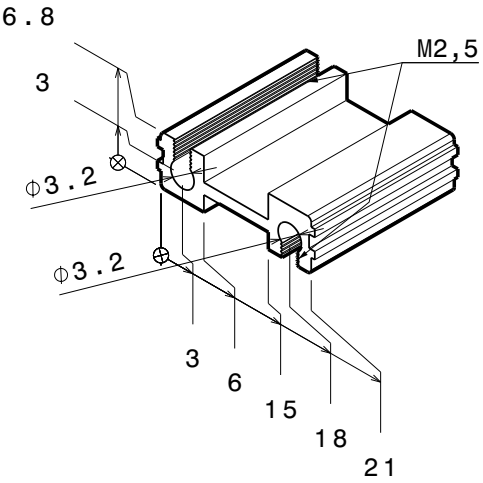
Anwendungsbeispiel TEG20001

Anwendungsbeispiel TEG10002

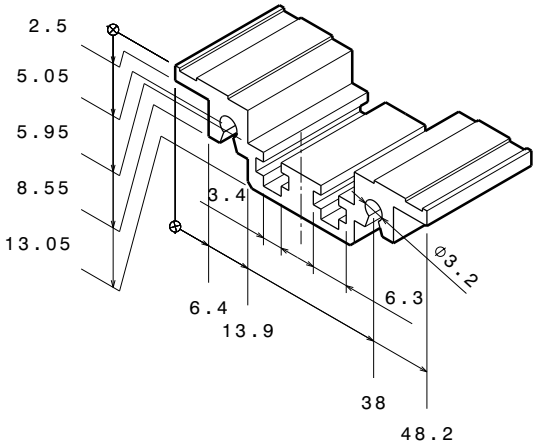
GP0517



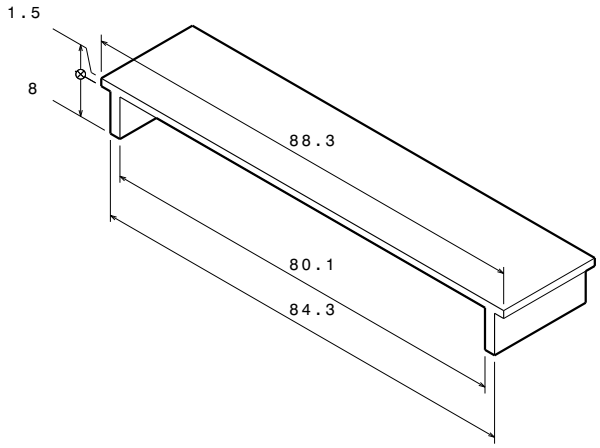
GP0831



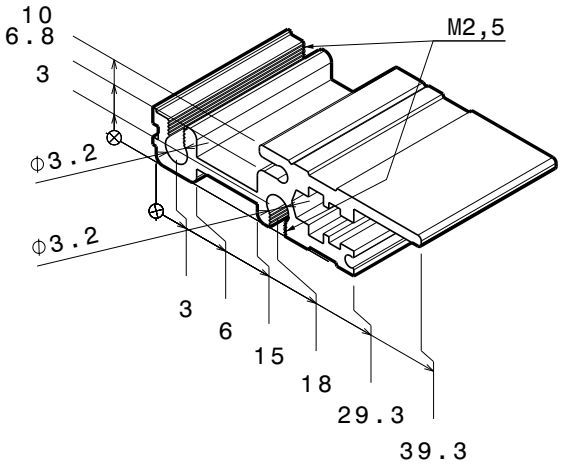
GP0530



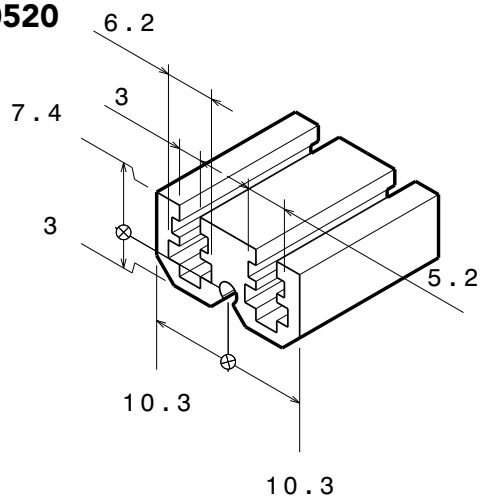
GP6620



GP0222

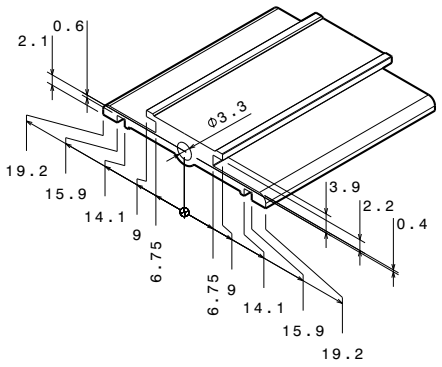


GP0520

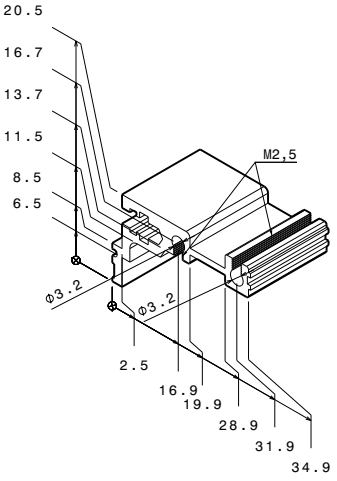


Profilübersicht profile overview

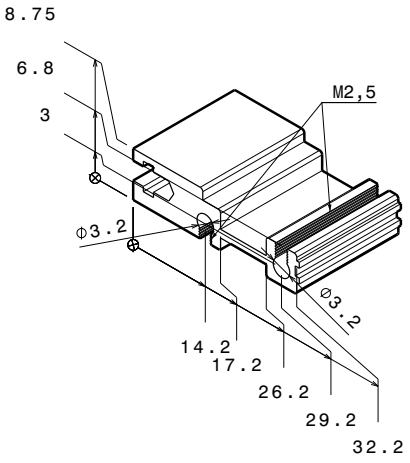
GP5081



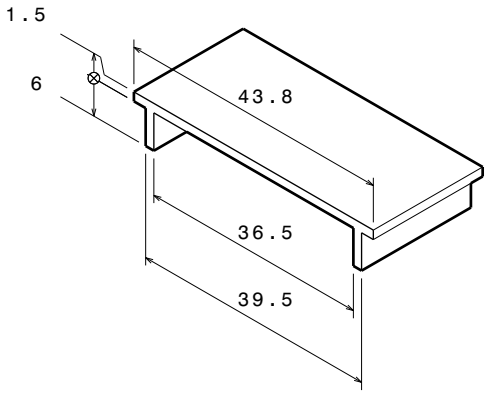
GP0731



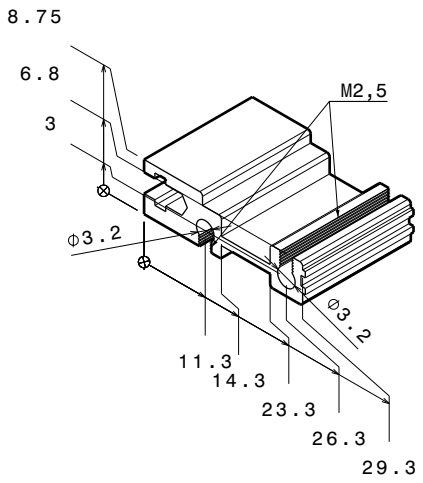
GP0392



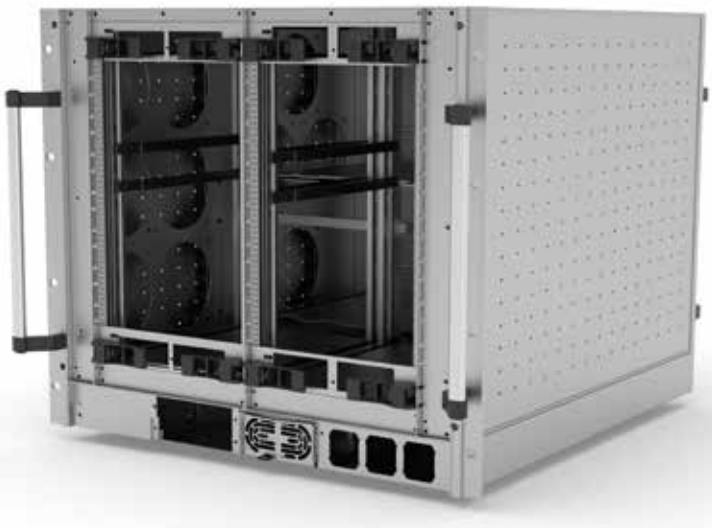
GP2400



GP0391



Notizen / Notice



Baugruppenträger xflexx® subrack

Ausführung:
Diese Baugruppenträger vereinen Design, Flexibilität, Stabilität und Funktionalität in nur einer Baureihe. Vom einfachen offenen Rahmen bis hin zu komplexen Gehäusesystemen mit Lüftungsmodulen werden die meisten Anwendungsfälle abgedeckt. Alle Modulschienen werden mit 4 Schrauben am stabilen Seitenprofil befestigt und sorgen somit für einen verwindungssteifen Grundaufbau. Die Höhenprofile sind flexibel sowohl für 19"-Einbau als auch für Desktop- oder Tower-Varianten verwendbar. Aufsetzbare Lüftermodule sorgen für den nötigen Wärmetransport und können jederzeit nachgerüstet werden.

Anwendung:
Für Aufbauten nach IEC 60297 sowie IEEE1101-10

EMV:
Erhöhte Abschirmwerte werden durch zusätzliche EMV-Bauteile erreicht. So kann z.B. in die Modulschiene ein mit Silber beschichteter Silikonschlauch von 1,8 mm Durchmesser eingedrückt werden. Die Spalte zu Anbauten – z.B. Lüftungsmodulen – werden mit textilen Schaumdichtungen (Fabric over Foam) sicher verschlossen.

Oberfläche:
Alle Aluminiumprofile sind an den Kontaktstellen elektrisch leitend, matt gebeizt und Chrom VI frei passiviert. Um auch erhöhten optischen Ansprüchen zu entsprechen, sind sichtbare Flächen weitestgehend naturfarbig eloxiert (partielles Eloxal). Anbauten, Verkleidungen und Zusatzmodule sind teilweise feinstruktur-pulverlackiert. Standardfarben sind RAL 9005 (schwarz), RAL 9006 (weißaluminium) und RAL 5022 (nachtblau).

Lieferform:
Auf Wunsch werden die Baugruppenträger komplett montiert mit allen Anbauten geliefert.

Explanation:
Our subrack series xflexx combine design, flexibility, stability and functionality in only one series. From simple open frame to complex housing systems with ventilation modules, most applications are covered. All module rails are fastened with 4 screws on the stable side profiles and ensure a stable basic structure. The vertical profiles are flexibly used both for 19" installation as well as for desktop or tower versions. Attachable fan modules provide the necessary heat transfer and can be added anytime later on.

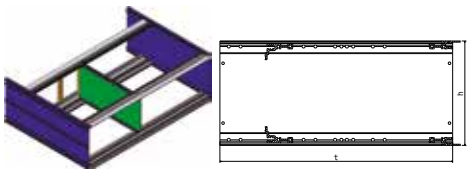
Application:
For applications according to IEC 60297 as well as IEEE1101-10

EMC:
Increased EMC shielding characteristics are achieved by additional EMC components. For example we use silver coated seals with 1.8 mm diameter in the horizontal rails. The ventilation modules are connected with textile foam seals for EMC applications.

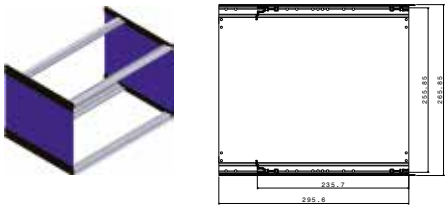
Surface:
All aluminum profiles are electrically conductive, stained and chromium VI free passivated at the contact points. To meet the optical demands the visible surfaces are natural anodized. This is something special in subracks (partial anodizing). Attachments, panels and plug-ins are fine textured powder-coated. All RAL colors are available, standard colors are RAL 9005 (black), RAL 9006 (white aluminum) and RAL 5022 (midnight blue).

Delivery form:
On request the racks are supplied ready assembled with all attachments.

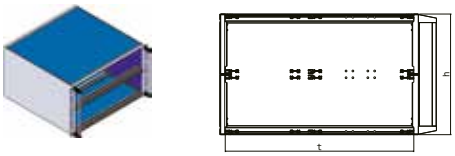
3HE Grundrahmen für Busplatinenmontage
3U basic framework for bus board mounting



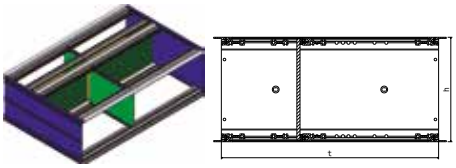
6HE Grundrahmen für Steckermontage
6U base frame for plug assembly



2 × 3HE-Baugruppenträger
inkl. Verkleidungsbleche
2 × 3U subrack incl. cover plates



BGT13080100 + BGT7022206314270
(Compact PCI)



BGT7022206314270 Modulschienensatz
BGT7022206314270 Module rail kit

Höhe Height (h)	Tiefe depth (mm) (t)	Steckermontage Best.-Nr. Plug assembly Part no.	Rückwand ohne Isolation Best.-Nr. Backplane without insolation Part no.	Rückwand mit Isolation Best.-Nr. Backplane with insolation Part no.
2 HE	176	BGT12030100	BGT12030103	BGT12030101
	236	BGT12060100	BGT12060103	BGT12060101
	276	BGT12080100	BGT12080103	BGT12080101
	296	BGT12090100	BGT12090103	BGT12090101
	356	BGT12120100	BGT12120103	BGT12120101
	416	BGT12150100	BGT12150103	BGT12150101
3 HE	176	BGT13030100	BGT13030103	BGT13030101
	236	BGT13060100	BGT13060103	BGT13060101
	276	BGT13080100	BGT13080103	BGT13080101
	296	BGT13090100	BGT13090103	BGT13090101
	356	BGT13120100	BGT13120103	BGT13120101
	416	BGT13150100	BGT13150106	BGT13150101
4 HE	176	BGT14030100	BGT14030103	BGT14030101
	236	BGT14060100	BGT14060103	BGT14060101
	276	BGT14080100	BGT14080103	BGT14080101
	296	BGT14090100	BGT14090103	BGT14090101
	356	BGT14120100	BGT14120103	BGT14120101
	416	BGT14150100	BGT14150106	BGT14150101
6 HE	176	BGT16030100	BGT16030103	BGT16030101
	236	BGT16060100	BGT16060103	BGT16060101
	276	BGT16080100	BGT16080103	BGT16080101
	296	BGT16090100	BGT16090103	BGT16090101
	356	BGT16120100	BGT16120103	BGT16120101
	416	BGT16150100	BGT16150106	BGT16150101
9 HE	176	BGT19030100	BGT19030103	BGT19030101
	236	BGT19060100	BGT19060103	BGT19060101
	276	BGT19080100	BGT19080103	BGT19080101
	296	BGT19090100	BGT19090103	BGT19090101
	356	BGT19120100	BGT19120103	BGT19120101
	416	BGT19150100	BGT19150106	BGT19150101

Lieferumfang: 2 Seitenwände, 2 vordere Modulschienen, 2 hintere Modulschienen, 2 bzw. 4 Gewindestreifen, Befestigungsmaterial. Andere Breiten auf Anfrage lieferbar (63TE, 42TE).

Delivery: 2 side panels, 2 front module rails, 2 rear module rails, 2 or 4 threaded inserts, mounting material. Other widths available on request (63HP, 42HP).

Modulschienensatz für rückseitige Leiterplattenmontage
Module rail kit for rear PCB mounting

Breite (mm) - Width	Best.-Nr. - Part no.
84TE (427)	BGT7022208314270
85TE (432)	BGT7022208314321

Lieferumfang: 2 Modulschienen vorne, 2 Gewindestreifen, 2 Kartenprofile.
Andere Gehäusebreiten (42TE oder 63TE) auf Anfrage.

Delivery: 2 front module rails, 2 threaded inserts, 2 cards profiles.
Other widths (42HP or 63HP) on request.

Baugruppenträger xflexx® subrack

Lüftungsmodul 2/3 + 1/3HE

Anwendung:
Die oberen und unteren Lüftermodule werden nach Lösen der hinteren Höhenprofile an dem Baugruppenträger werkzeuglos befestigt (eventuell vorhandene Boden- oder Deckelbleche müssen vorher entfernt werden). Der Anbau kann auch bei einem bereits bestückten Baugruppenträgern vorgenommen werden.

Ausführung:
1.2 mm Aluminiumblech Feinstruktur Pulverbeschichtung in den Farben RAL 9005, RAL 9006 oder RAL 5022, bestückt mit 4 Papst-Lüftermotoren DC 24 V. Vorne Netzschalter beleuchtet 230 V~, hinten IEC-Kaltgerätebuchse mit Netzfilter sowie Netzsicherung, komplett vorverdrahtet.
Lüfteraufbau mit aufgesetzter Frontplatte aus eloxiertem Aluminium für kundenspezifische Anwendungen wie z.B. LED-Anzeigen, Buchsen oder Firmenlogo / Typenbezeichnung.

Funktionsprinzip:
Die Frischluft wird vorne angesaugt und nach oben durch die vorderen Steckplätze geblasen, über der Busplatine im oberen Teil umgelenkt und nach unten geführt. Luftaustritt ist unten / hinten. Somit ist auch eine Kühlung eventuell von hinten eingesteckter Baugruppen möglich.

Ventilation module 2/3 + 1/3U

Application:
The installation of the upper and lower fan modules is possible without tools. Maybe you have to dismantle the cover sheets before. The installation of the fan modules is also possible with already assembled subracks.

Explanation:
1.2 mm aluminum sheets fine structure powder coated in the colors RAL 9005, RAL 9006 or RAL 5022, equipped with 4 Papst fan-motors DC 24 V. Power switch with light 230 V, rear IEC power socket with mains filter and mains fuse, completely pre-wired.
The fan assembly with attached front plate in anodized aluminum surface for custom applications such as LED-panels, company logo / type designation.

Principle of operation:
The fresh air comes into the front and is guided upwards through in front of the backplane. Then diverted downwards, the air outlet is in the lower rear section. This allows also the cooling of electronics mounted behind the backplane.

BGT20810111 Vorderansicht

BGT20810111 Front view

BGT20810111 Rückansicht

BGT20810111 Back view

BGT30810111 mit Option „Display“

BGT30810111 with option „Display“

BGT30810111 mit Option „Display“

BGT30810111 with option „Display“

Lüftungsmodul für 84TE 2/3HE hoch (unten)

ventilation module for 84HP 2/3U high (bottom)

Tiefe mm Depth mm	RAL 9005 Best.-Nr. RAL 9005 Part no.	RAL 9006 Best.-Nr. RAL 9006 Part no.	RAL 5022 Best.-Nr. RAL 5022 Part no.
176	BGT20310101	BGT20310111	BGT20310121
236	BGT20610101	BGT20610111	BGT20610121
276	BGT20810101	BGT20810111	BGT20810121
296	BGT20910101	BGT20910111	BGT20910121
356	BGT21210101	BGT21210111	BGT21210121
416	BGT21510101	BGT21510111	BGT21510121

Optionen: Netzschalter, Kaltgerätestecker, Sicherung, Lüfter in anderen Spannungen (Standard 24 V DC)

Options: power switch, IEC power connector, fuse, fans are in other voltages available (standard 24 V DC)

Abdeckblech passend zu Lüftungsmodul oben 1/3HE hoch

Cover plate suitable for ventilation module top 1/3U

Tiefe mm Depth mm	RAL 9005 Best.-Nr. RAL 9005 Part no.	RAL 9006 Best.-Nr. RAL 9006 Part no.	RAL 5022 Best.-Nr. RAL 5022 Part no.
176	BGT30310101	BGT30310111	BGT30310121
236	BGT30610101	BGT30610111	BGT30610121
276	BGT30810101	BGT30810111	BGT30810121
296	BGT30910101	BGT30910111	BGT30910121
356	BGT31210101	BGT31210111	BGT31210121
416	BGT31510101	BGT31510111	BGT31510121

Baugruppenträger Seitenverkleidung

xflexx®

subrack side panels

Seitenverkleidung - Side panels

Höhe Height	Tiefe (mm) Depth (mm)	RAL 9005 (schwarz,black)		RAL 9006(weiß,white)		RAL 5022(nachtblau, night blue)	
			mit Bohrungen für Bügelgriff with hole for bow handle		mit Bohrungen für Bügelgriff with hole for bow handle		mit Bohrungen für Bügelgriff with hole for bow handle
		Best.-Nr. Part no.	Best.-Nr. Part no.	Best.-Nr. Part no.	Best.-Nr. Part no.	Best.-Nr. Part no.	Best.-Nr. Part no.
2HE	176	BGT620300	BGT620301	BGT620310	BGT620311	BGT620320	BGT620321
	236	BGT620600	BGT620601	BGT620610	BGT620611	BGT620620	BGT620621
	276	BGT620800	BGT620801	BGT620810	BGT620811	BGT620820	BGT620821
	296	BGT620900	BGT620901	BGT620910	BGT620911	BGT620920	BGT620921
	356	BGT621200	BGT621201	BGT621210	BGT621211	BGT621220	BGT621221
	416	BGT621500	BGT621501	BGT621510	BGT621511	BGT621520	BGT621521
3HE	176	BGT630300	BGT630301	BGT630310	BGT630311	BGT630320	BGT630321
	236	BGT630600	BGT630601	BGT630610	BGT630611	BGT630620	BGT630621
	276	BGT630800	BGT630801	BGT630810	BGT630811	BGT630820	BGT630821
	296	BGT630900	BGT630901	BGT630910	BGT630911	BGT630920	BGT630921
	356	BGT631200	BGT631201	BGT631210	BGT631211	BGT631220	BGT631221
	416	BGT631500	BGT631501	BGT631510	BGT631511	BGT631520	BGT631521
4HE	176	BGT640300	BGT640301	BGT640310	BGT640311	BGT640320	BGT640321
	236	BGT640600	BGT640601	BGT640610	BGT640611	BGT640620	BGT640621
	276	BGT640800	BGT640801	BGT640810	BGT640811	BGT640820	BGT640821
	296	BGT640900	BGT640901	BGT640910	BGT640911	BGT640920	BGT640921
	356	BGT641200	BGT641201	BGT641210	BGT641211	BGT641220	BGT641221
	416	BGT641500	BGT641501	BGT641510	BGT641511	BGT641520	BGT641521
6HE	176	BGT660300	BGT660301	BGT660310	BGT660311	BGT660320	BGT660321
	236	BGT660600	BGT660601	BGT660610	BGT660611	BGT660620	BGT660621
	276	BGT660800	BGT660801	BGT660810	BGT660811	BGT660820	BGT660821
	296	BGT660900	BGT660901	BGT660910	BGT660911	BGT660920	BGT660921
	356	BGT661200	BGT661201	BGT661210	BGT661211	BGT661220	BGT661221
	416	BGT661500	BGT661501	BGT661510	BGT661511	BGT661520	BGT661521
9HE	176	BGT690300	BGT690301	BGT690310	BGT690311	BGT690320	BGT690321
	236	BGT690600	BGT690601	BGT690610	BGT690611	BGT690620	BGT690621
	276	BGT690800	BGT690801	BGT690810	BGT690811	BGT690820	BGT690821
	296	BGT690900	BGT690901	BGT690910	BGT690911	BGT690920	BGT690921
	356	BGT691200	BGT691201	BGT691210	BGT691211	BGT691220	BGT691221
	416	BGT691500	BGT691501	BGT691510	BGT691511	BGT691520	BGT691521

Deckel / Bodenblech - Cover / base plate

Tiefe Depth mm	RAL 9005(schwarz / black)		RAL 9006(weiß / White)		RAL 5022(nachtblau / night blue)	
	ungelocht unperforated Best.-Nr. Part no.	gelocht perforated Best.-Nr. Part no.	ungelocht unperforated Best.-Nr. Part no.	gelocht perforated Best.-Nr. Part no.	ungelocht unperforated Best.-Nr. Part no.	gelocht perforated Best.-Nr. Part no.
176	BGT4031001	BGT4031011	BGT4031101	BGT4031111	BGT4031201	BGT4031211
236	BGT4061001	BGT4061011	BGT4061101	BGT4061111	BGT4061201	BGT4061211
276	BGT4081001	BGT4081011	BGT4081101	BGT4081111	BGT4081201	BGT4081211
296	BGT4091001	BGT4091011	BGT4091101	BGT4091111	BGT4091201	BGT4091211
356	BGT4121001	BGT4121011	BGT4121101	BGT4121111	BGT4121201	BGT4121211
416	BGT4151001	BGT4151011	BGT4151101	BGT4151111	BGT4151201	BGT4151211

BGT50300001 19"-Höhenprofil 3HE

BGT50300001 19"-vertical profile 3U

BGT50601003 hinteres Höhenprofil 6HE

BGT50601003 rear vertical profil 6U

BGT50700011 19"-Höhenprofil 7HE für 6HE Leiterkarten

BGT50700011 19"-vertical profil 7U for 6U circuit boards

BGT50700011 19"-Höhenprofil 7HE für 2 × 3HE Leiterkarten

BGT50700011 19"-vertical profil 7U for 2 × 3U circuit boards

Höhenprofil, Gehäuse ohne Aufbau, ohne Unterteilung
Vertical profile, enclosure, without subdivision

Höhe Height HE	U (mm)	19"-Winkel Best.-Nr. 19"-angle Part no.	Tischgehäuse Best.-Nr. Desktop enclosure Part no.	Hinten Best.-Nr. Back Part no.
2 HE	88	BGT50200001	BGT50200002	BGT50200003
3 HE	133	BGT50300001	BGT50300002	BGT50300003
4 HE	177	BGT50400001	BGT50400002	BGT50400003
5 HE	222	BGT50500001	BGT50500002	BGT50500003
6 HE	266	BGT50600001	BGT50600002	BGT50600003
7 HE	311	BGT50700001	BGT50700002	BGT50700003
8 HE	355	BGT50800001	BGT50800002	BGT50800003
9 HE	400	BGT50900001	BGT50900002	BGT50900003
10 HE	444	BGT51000001	BGT51000002	BGT51000003

Höhenprofil, Gehäuse ohne Aufbau, mit Unterteilung 2 × 3HE bzw. 3 × 3HE
Vertical profile enclosure, with subdivision 2 × 3U bzw. 3 × 3U

Höhe Height HE	U (mm)	19"-Winkel Best.-Nr. 19"-angle Part no.	Tischgehäuse Best.-Nr. Desktop enclosure Part no.	Hinten Best.-Nr. Back Part no.
6 HE	266	BGT50601001	BGT50601002	BGT50601003
9 HE	400	BGT50901001	BGT50901002	BGT50901003

Höhenprofil, Gehäuse mit Aufbau 2/3HE unten 1/3HE oben, ohne Unterteilung
Vertical profile, bottom 2/3U 1/3U top, without subdivision

Höhe Height HE	U (mm)	19"-Winkel Best.-Nr. 19"-angle Part no.	Tischgehäuse Best.-Nr. Desktop enclosure Part no.	Hinten Best.-Nr. Back Part no.
3 HE	133	BGT50300011	BGT50300012	BGT50300013
4 HE	177	BGT50400011	BGT50400012	BGT50400013
5 HE	222	BGT50500011	BGT50500012	BGT50500013
6 HE	266	BGT50600011	BGT50600012	BGT50600013
7 HE	311	BGT50700011	BGT50700012	BGT50700013
8 HE	355	BGT50800011	BGT50800012	BGT50800013
9 HE	400	BGT50900011	BGT50900012	BGT50900013
10 HE	444	BGT51000011	BGT51000012	BGT51000013

Höhenprofil, Gehäuse mit Aufbau 2/3HE unten 1/3HE oben, mit Unterteilung 2 × 3HE bzw. 3 × 3HE
Vertical profile, bottom 2/3U, 1/3U top, with subdivision 2 × 3U or 3 × 3U

Höhe Height HE	U (mm)	19"-Winkel Best.-Nr. 19"-angle Part no.	Tischgehäuse Best.-Nr. Desktop enclosure Part no.	Hinten Best.-Nr. Back Part no.
7 HE	311	BGT50701011	BGT50701012	BGT50701013
10 HE	444	BGT51010011	BGT51001012	BGT51001013

Lieferumfang: paarweise rechtes und linkes Profil.
Vordere Höhenprofile für 19"- und Tischgehäuse werden standardmäßig mit Grifflochung versehen. Wenn ohne Grifflochung gewünscht wird, der Best.-Nr. ein „x" anhängen. Hintere Höhenprofile werden standardmäßig ohne Grifflochung geliefert. Wenn mit Grifflochung gewünscht wird, der Best.-Nr. ein „y" anhängen.

Delivery: pairs of right and left profiles.
Front vertical profiles for 19"- and desktop version are standard equipped with handle, if desired without handle perforation, please add „x" to order no. Rear vertical profiles are supplied as standard without a handle perforation.
If desired with handle, please add „y" to the order no.

Gewindestreifen

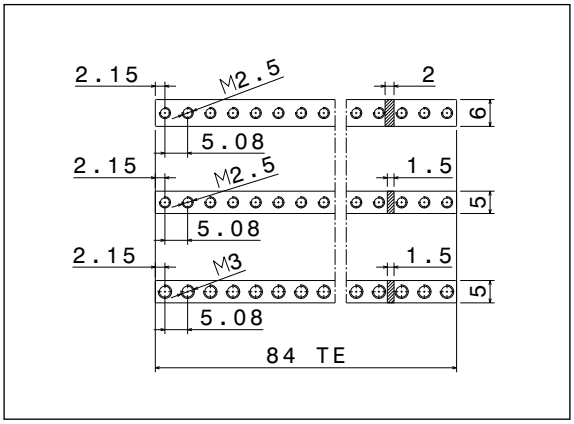
Gewindestreifen aus Stahl galvanisch verzinkt, passend für vordere Modulschiene und Modulschiene für Busplatinenmontage

Threaded strips

Threaded strips made of galvanized steel, suitable for horizontal rails.

Bezeichnung	Best.-Nr. / Part no.
Gewindestreifen 84 TE 2 × 6 mm M 2,5 threaded stripes 84 HP 2 × 6 mm M 2,5	TEG20625-84
Gewindestreifen 84 TE 1,8 × 5 mm M 2,5 threaded stripes 84 HP1,8 × 5 mm M 2,5	TEG18525-84
Gewindestreifen 84 TE 1,8 × 5 mm M 3 threaded stripes 84 HP 1,8 × 5 mm M 3	TEG18530-84
Gewindestreifen 42 TE 2 × 6 mm M 2,5 threaded stripes 42 HP 2 × 6 mm M 2,5	TEG20625-42
Gewindestreifen 42 TE 1,8× 5 mm M 2,5 threaded stripes 42 HP 1,8× 5 mm M 2,5	TEG18525-42
Gewindestreifen 42TE 1,8 × 5 mm M 3 threaded stripes 42 HP 1,8 × 5 mm M 3	TEG18530-42
Gewindestreifen 82TE 1,8x5 mm M 2,5 threaded stripes 82 HP 1,8 × 5 mm M 2,5	TEG18525-82
Gewindestreifen 64TE 1,8x5 mm M 2,5 threaded stripes 64TE 1,8x5 mm M 2,5	TEG18525-64
Gewindestreifen 38TE 1,8x5 mm M 2,5 threaded stripes 38TE 1,8x5 mm M 2,5	TEG18525-38
Gewindestreifen 20TE 1,8x5 mm M 2,5 threaded stripes 20TE 1,8x5 mm M 2,5	TEG18525-20

Gewindestreifen
Threaded stripes



Isolierstreifen

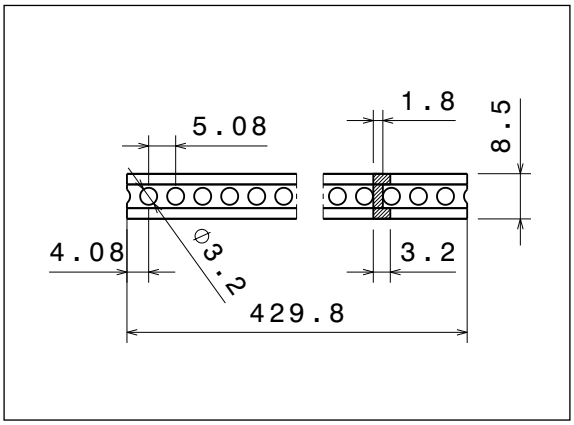
Der Isolierstreifen dient der elektrisch isolierten Montage von Back Planes. Verwendbar mit Profil GP0391.

Insulating strips

The insulating strip is used for an electrically insulated mounting of back planes. Compatible with GP0391 profile.

Bezeichnung	Best.-Nr. / Part no.
Isolierstreifen 84 TE insulating strips 84 HP	TEG38532-84
Isolierstreifen 42 TE insulating strips 42 HP	TEG38532-42

Isolierstreifen 84TE
Insulating strips 84TE



Isolierhülse

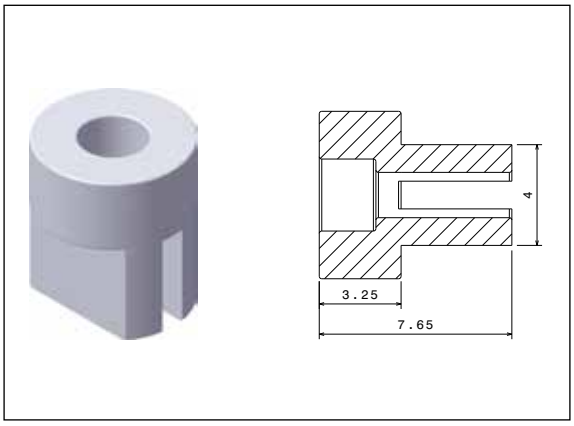
Die Isolierhülse dient der elektrisch isolierten Montage von Back Planes. Verwendbar mit Profil GP0391. Die Isolierhülse kann an beliebiger Stelle in das Profil eingeclipst werden.

Insulating sleeve

The insulating sleeve provides electrically insulated mounting of backplanes. Compatible with GP0391 profile. The insulating sleeve can be clipped anywhere in the profile groove.

Bezeichnung	Best.-Nr. / Part no.
Isolierhülse insulating sleeve	TEG0700

Isolierhülse
Insulating sleeve



Kartenführung IEC

Anwendung: Kartenführungen Standard (IEC) für den Einbau steckbarer Baugruppen mit Leiterkartendicke 1,6 mm (2 mm auf Anfrage). Für Kartenformate 80 mm, 160 mm, 220 mm und 280 mm.
Ausführung: Material glasfaserverstärkter Kunststoff schwarz (UL94-V-0). Vorgesehen für ESD-Clip.

Card guide IEC

Application: card guides standard (IEC) for the installation of plug-in modules with PCB thickness 1.6 mm (2 mm on request). For PCB depths 80, 160, 220 and 280 mm.
Material: fiberglass reinforced black plastic (UL94-V-0). scheduled for ESD clips.

Kartenführung IEC
card guide IEC

Kartenführungen für andere Tiefen und / oder Leiterplattenstärken auf Anfrage.

Card guides for other depths and / or other PCB thicknesses on request.

Bezeichnung	Best.-Nr. / Part no.
Kartenführung Standard 80 mm card guide standard 80 mm	TEG0800
Kartenführung Standard 160 mm card guide standard 160 mm	TEG1600
Kartenführung Standard 220 mm card guide standard 220 mm	TEG2200
Kartenführung Standard 280 mm card guide standard 220 mm	TEG2800

Kartenführung IEEE
card guide IEEE

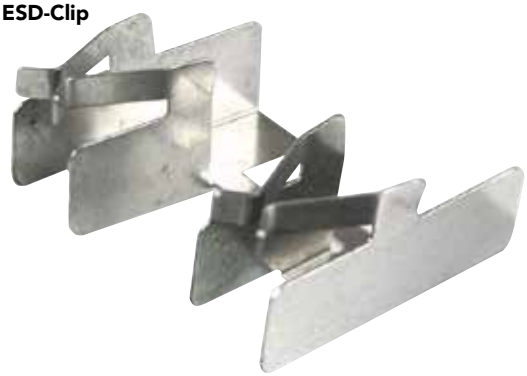
Kartenführung IEEE

Anwendung: Kartenführungen gem. IEEE1101-10 für den Einbau steckbarer Baugruppen mit Leiterkartendicke 1,6 mm (2 mm auf Anfrage). Für Kartenformate 80 mm und 160 mm (220 und 280 mm auf Anfrage).
Ausführung: Material glasfaserverstärkter Kunststoff schwarz (UL94-V-0). Vorgesehen für ESD-Clip; Kodier- und Zentriermöglichkeit.

Card guide IEEE

Application: Card Guides according to IEEE1101-10 for mounting plug-in modules with PCB thickness 1.6 mm (2 mm on request). For PCB depths 80 mm and 160 mm (220 and 280 mm on request).
Model: material fiberglass reinforced black plastic (UL94-V-0). Scheduled for ESD clips; coding and centering option.

ESD-Clip



Bezeichnung	Best.-Nr. / Part no	VPE
Kartenführung IEEE 80 mm card guide IEEE 80 mm	TEG0801	1 Paar 1 pair
Kartenführung IEEE 160 mm card guide IEEE160 mm	TEG1601	1 Stück 1 PCS

Bezeichnung	Best.-Nr. / Part no.
ESD-Clip vorne unten / hinten oben ESD clip the bottom front / back top	TEG7601
ESD-Clip vorne oben / hinten unten ESD clip front top / bottom rear	TEG7602

ESD-Feder
ESD spring

ESD Feder - ESD spring

Bezeichnung	Best.-Nr. / Part no.	VPE
ESD Feder ESD spring	TEG7603	10 Stück 10 pcs

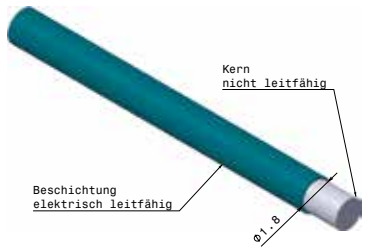
- Verbindet ESD Stift mit Gehäuse
- Bemerkung: Einkerbung nach innen gerichtet
- Connects ESD pin with frame
- Comment: Notch directed inwards

Kodierpin
coding pin

Kodierpin - coding pin

Bezeichnung	Best.-Nr. / Part no	VPE
Kodierpin grau coding pin gray	TEG8001	10 Stück 10 pcs
Kodierpin rot coding pin red	TEG8002	10 Stück 10 pcs
Kodierpin schwarz coding pin black	TEG8003	10 Stück 10 pcs

EMV-Dichtschnur
EMC sealing cord



EMV-Dichtschnur - EMC-sealing cord

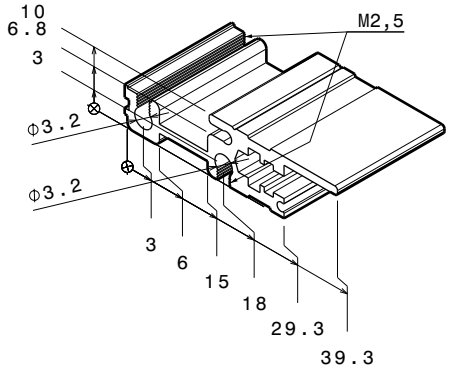
Bezeichnung	Best.-Nr. Part no.	VPE
Dichtschnur 1,8 mm Länge 84 TE sealing cord 1,8 mm length 84 HP	TEG018427	2
Dichtschnur Meterware, Rolle zu 10 Meter sealing cord sold per meter, role 10 m length	TEG01810000	1

Dichtschnur

Wird in die vordere Modulschiene von vorne eingedrückt und verbessert die Dämpfungswerte bei erhöhten EMV-Anforderungen.
Dichtschnur mit elektrisch leitender Oberfläche aus Silber, aufgebracht auf einen Silikonkern. Länge 84 TE, Länge beliebig werkzeuglos teilbar.

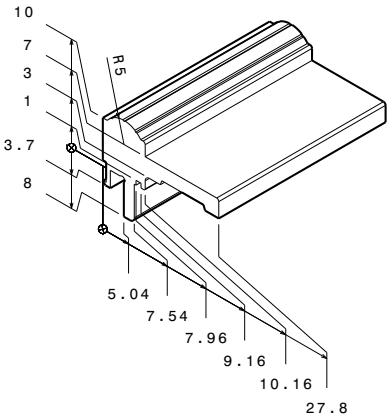
Sealing cord

Mounted into the front modul rail and improves the EMC protection properties.
Sealing cord with conductive silver particles and silicon core. Length 84 HP, other lenghts available and can be cut without tools.



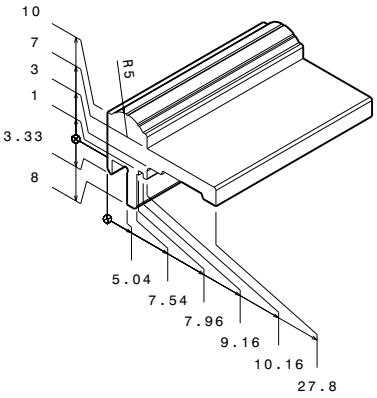
GP0222
Modulschiene vorne
entsprechend IEEE1101-10

GP0222
front horizontal rail according
to IEEE1101-10



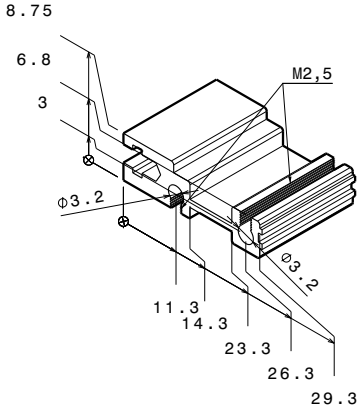
GP0304
Höhenprofil 19“, Einbau links

GP0304
vertical profile 19“, mounting
position left



GP0305
Höhenprofil 19“, Einbau rechts

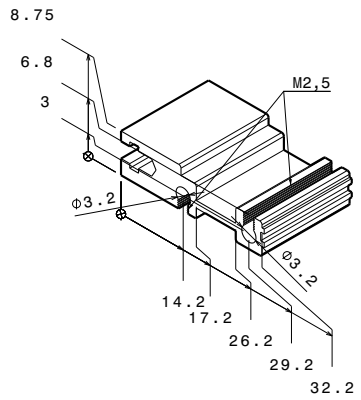
GP0305
vertical profile 19“, mounting
position right



GP0391
Modulschiene für Busplatine
Montage mit Isolation

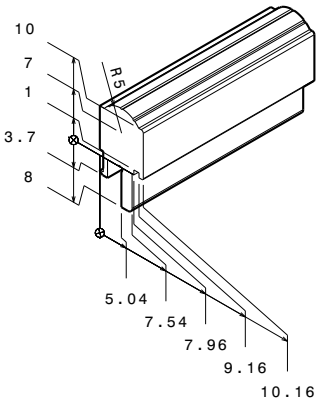
GP0391
module rail for backplane
Mounting with insulation

Profilübersicht xflexx® profile overview



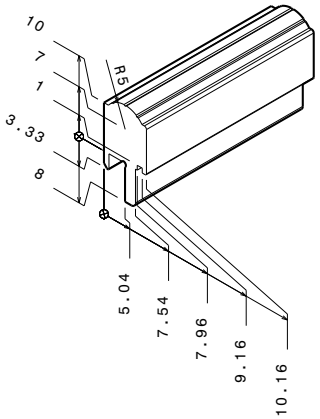
GP0392
Modulschiene für Busplatinenmontage ohne Isolation

GP0392
module rail for backplane mounting without insulation



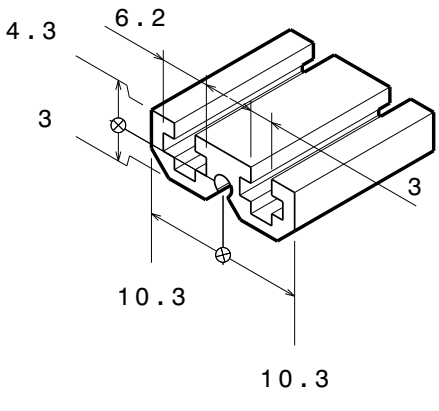
GP0404
Höhenprofil hinten rechts + vorne links

GP0404
vertical profile back right + front left



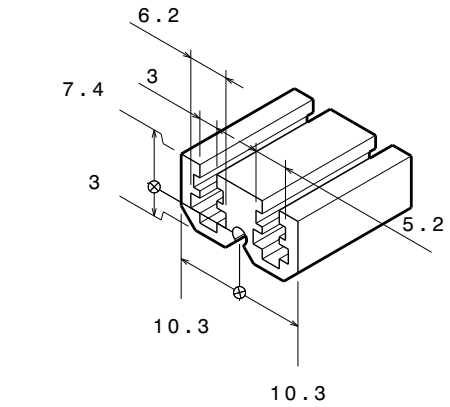
GP0405
Höhenprofil hinten links + vorne rechts

GP0405
vertical profile back left + front right



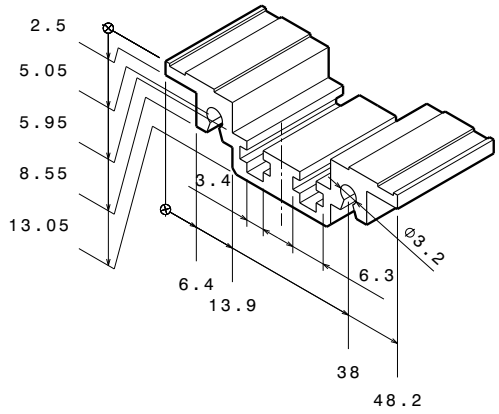
GP0517
Modulschiene Mitte für Busplatinenmontage mit Isolation

GP0517
centre horizontal rail for backplane with insulation



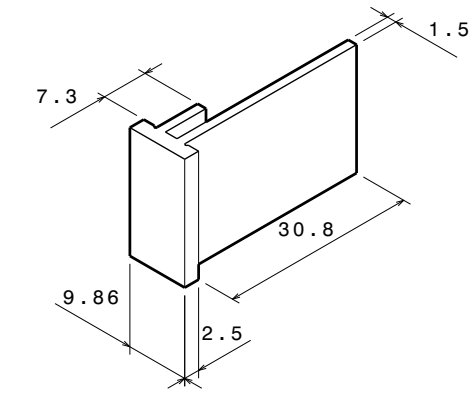
GP0520
Modulschiene Mitte für Busplatine, ohne Isolation

GP0520
centre horizontal rail for backplane, without insulation



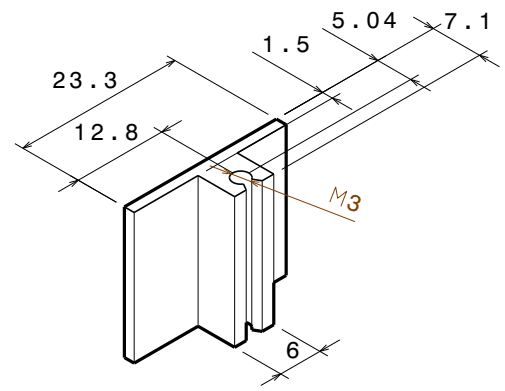
GP0530
Modulschiene Mitte für Steckverbinder nach DIN41612

GP0530
centre horizontal rail for connectors according to DIN41612



GP0550
vertikales Teilungsprofil vorne

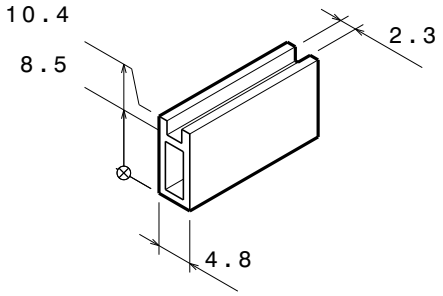
GP0550
vertical division profile front



GP0552
vertikales Teilungsprofil hinten

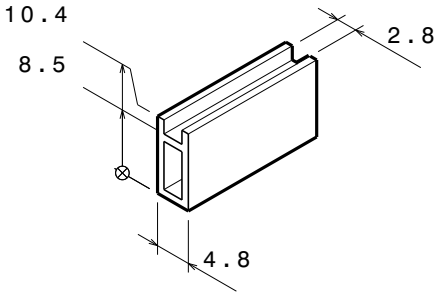
GP0552
vertical division profile back

Profilübersicht xflexx® profile overview



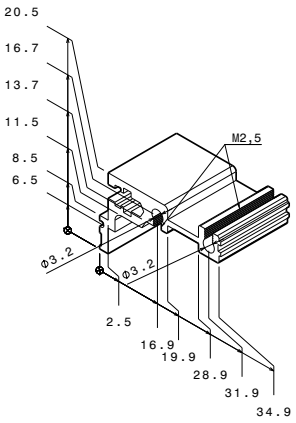
GP0560
Kartenführung 2,3 mm

GP0560
card guide 2.3 mm



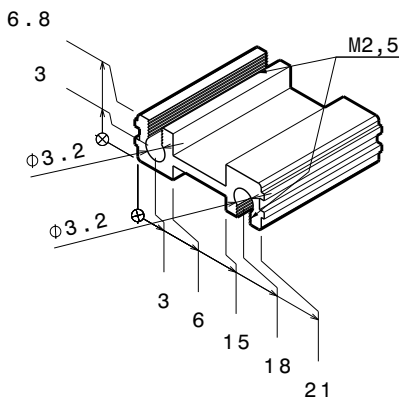
GP0565
Kartenführung 2,8 mm

GP0565
card guide 2.8 mm



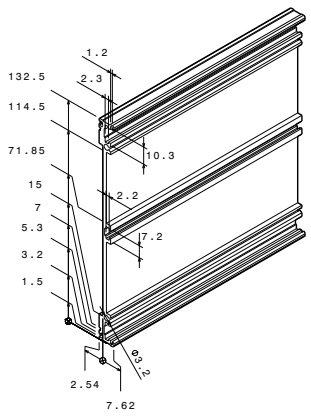
GP0731
Modulschiene für Steckverbinder nach DIN41612

GP0731
Module rail for connectors according to DIN41612



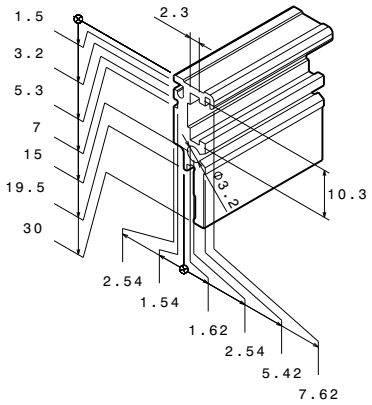
GP0831
Kartenführungsträger

GP0831
card guide support



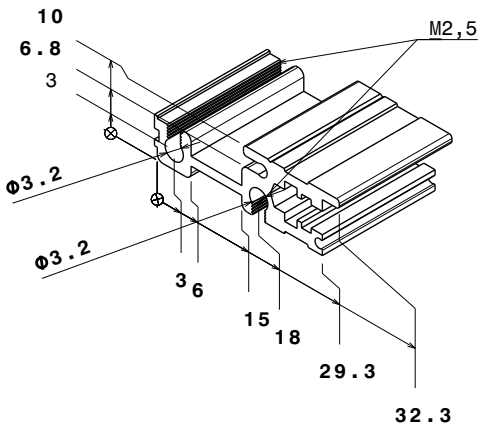
GP5091
Seitenwand 3 HE

GP5091
side wall 3 U



GP5092
Seitenwand universal

GP5092
side wall universal



GP0223
Modulschiene vorne
oder hinten mit 3 mm Dach

GP0223
module rail front or rear
with 3 mm roof

EMV Einschubkassetten Serie TEK

EMC insert modules series TEK

Highlights Einschubkassetten Serie TEK

- Hohe Stabilität
- Erfüllt erhöhte EMV-Anforderungen
- Frontplatten ungeschirmt oder geschirmt mit Textildichtungen
- Abgewinkelte Rückwand
- Optional perforierte Seiten- und Deckelbleche
- Integrierte Führungsschienen
- In die Frontplatte eingelassene Seiten- und Deckelbleche
- Jede Höhe, Breite und Tiefe realisierbar
- Kundenspezifische Sonderlösungen
- 6, 7, 8, 10, 12, 21, 42, 63 TE Breite - 3, 4 und 6 HE Höhe - 166 + 226 mm Tiefe im Standardprogramm
- Gewindenuten für M2,5 zur Aufnahme ungenormter Baugruppen
- Mutternkanal und Führungsnuten in den Seitenprofilen zur Aufnahme von Leiterkarten im Europaformat
- Bei 3 HE: Seitenwand einteilig oder dreiteilig
- Maximaler Bauraum - jede TE ist nutzbar

Die mechanischen Abmessungen dieser neuen Kassetten entsprechen den Normen IEC 60297-3-101 bzw. IEEE 1101.1/11

Sie sind somit kompatibel zu Kassetten anderer Hersteller, allerdings mit einigen Verbesserungen.

Weitere Informationen sowie 3D-Daten sind auf Anfrage erhältlich.

Individuelle Bearbeitung und Sondergrößen auf Anfrage.

Highlights insert modules series TEK

- High stability
- Complies higher EMC requirements
- Front panel unshielded or shielded with textile gaskets
- Angled rear wall
- Optional perforated side and top panels
- Integrated guide rails
- Front panel with recessed side and cover sheets
- Any height, width and depth feasible
- Customer-specific special solutions
- 6, 7, 8, 10, 12, 21, 42, 63 HP width - 3, 4 and 6 U height 166 + 226 mm depth in the standard programm
- M2.5 threaded grooves for mounting non-standard modules
- Nut channel and guiding rails in the side profiles for Eurocards PCBs
- For 3U version side wall in one piece or three-piece available
- Maximum space - each HP is usable

The mechanical dimensions of these plug-in units comply with the IEC 60297-3-101 or IEEE 1101.1 / 11

Our plug-in modules are compatible with systems from other manufacturers. But our solutions have many improvements.

Please contact us for more information and 3D data.

Custom machining and special sizes on request.

TEK1308160

TEK1321160

TEK1342160

TEK1642160

TEK2321220

Bezeichnung	TE	Best.-Nr.	Kurzbeschreibung
Frontplatte 3 HE aus Aluminium-Blech	6	TEK103006	Blech-Frontplatte-3 HE-6 TE
	7	TEK103007	Blech-Frontplatte-3 HE-7 TE
	8	TEK103008	Blech-Frontplatte-3 HE-8 TE
	10	TEK103010	Blech-Frontplatte-3 HE-10 TE
	12	TEK103012	Blech-Frontplatte-3 HE-12 TE
	14	TEK103014	Blech-Frontplatte-3 HE-14 TE
	21	TEK103021	Blech-Frontplatte-3 HE-21 TE
	28	TEK103028	Blech-Frontplatte-3 HE-28 TE
	42	TEK103042	Blech-Frontplatte-3 HE-42 TE
Frontplatte 3 HE aus Aluminium-Blech mit Griff	6	TEK103006G	Blech-Frontplatte-3 HE-6 TE-Griff
	7	TEK103007G	Blech-Frontplatte-3 HE-7 TE-Griff
	8	TEK103008G	Blech-Frontplatte-3 HE-8 TE-Griff
	10	TEK103010G	Blech-Frontplatte-3 HE-10 TE-Griff
	12	TEK103012G	Blech-Frontplatte-3 HE-12 TE-Griff
	14	TEK103014G	Blech-Frontplatte-3 HE-14 TE-Griff
	21	TEK103021G	Blech-Frontplatte-3 HE-21 TE-Griff
	28	TEK103028G	Blech-Frontplatte-3 HE-28 TE-Griff
	42	TEK103042G	Blech-Frontplatte-3 HE-42 TE-Griff
Bezeichnung	**TE**	**Best.-Nr.**	**Kurzbeschreibung**
Frontplatte 3 HE aus Aluminium-Profil	6	TEK113006	Profil-Frontplatte-3 HE-6 TE
	7	TEK113007	Profil-Frontplatte-3 HE-7 TE
	8	TEK113008	Profil-Frontplatte-3 HE-8 TE
	10	TEK113010	Profil-Frontplatte-3 HE-10 TE
	12	TEK113012	Profil-Frontplatte-3 HE-12 TE
Frontplatte 3 HE aus Aluminium-Profil mit Griff	6	TEK113006G	Profil-Frontplatte-3 HE-6 TE-Griff
	7	TEK113007G	Profil-Frontplatte-3 HE-7 TE-Griff
	8	TEK113008G	Profil-Frontplatte-3 HE-8 TE-Griff
	10	TEK113010G	Profil-Frontplatte-3 HE-10 TE-Griff
	12	TEK113012G	Profil-Frontplatte-3 HE-12 TE-Griff
Bezeichnung	**TE**	**Best.-Nr.**	**Kurzbeschreibung**
Frontplatte 6 HE aus Aluminium-Blech	6	TEK106006	Blech-Frontplatte-6 HE-6 TE
	7	TEK106007	Blech-Frontplatte-6 HE-7 TE
	8	TEK106008	Blech-Frontplatte-6 HE-8 TE
	10	TEK106010	Blech-Frontplatte-6 HE-10 TE
	12	TEK106012	Blech-Frontplatte-6 HE-12 TE
	14	TEK106014	Blech-Frontplatte-6 HE-14 TE
	21	TEK106021	Blech-Frontplatte-6 HE-21 TE
	28	TEK106028	Blech-Frontplatte-6 HE-28 TE
	42	TEK106042	Blech-Frontplatte-6 HE-42 TE
Frontplatte 6 HE aus Aluminium-Blech mit Griff	6	TEK106006G	Blech-Frontplatte-6 HE-6 TE-Griff
	7	TEK106007G	Blech-Frontplatte-6 HE-7 TE-Griff
	8	TEK106008G	Blech-Frontplatte-6 HE-8 TE-Griff
	10	TEK106010G	Blech-Frontplatte-6 HE-10 TE-Griff
	12	TEK106012G	Blech-Frontplatte-6 HE-12 TE-Griff
	14	TEK106014G	Blech-Frontplatte-6 HE-14 TE-Griff
	21	TEK106021G	Blech-Frontplatte-6 HE-21 TE-Griff
	28	TEK106028G	Blech-Frontplatte-6 HE-28 TE-Griff
	42	TEK106042G	Blech-Frontplatte-6 HE-42 TE-Griff
Bezeichnung	**TE**	**Best.-Nr.**	**Kurzbeschreibung**
Frontplatte 6 HE aus Aluminium-Profil	6	TEK116006	Profil-Frontplatte-6 HE-6 TE
	7	TEK116007	Profil-Frontplatte-6 HE-7 TE
	8	TEK116008	Profil-Frontplatte-6 HE-8 TE
	10	TEK116010	Profil-Frontplatte-6 HE-10 TE
	12	TEK116012	Profil-Frontplatte-6 HE-12 TE
Frontplatte 6 HE aus Aluminium-Profil mit Griff	6	TEK116006G	Profil-Frontplatte-6 HE-6 TE-Griff
	7	TEK116007G	Profil-Frontplatte-6 HE-7 TE-Griff
	8	TEK116008G	Profil-Frontplatte-6 HE-8 TE-Griff
	10	TEK116010G	Profil-Frontplatte-6 HE-10 TE-Griff
	12	TEK116012G	Profil-Frontplatte-6 HE-12 TE-Griff

Zeichnungsposition A drawing position A

description	HP	part no.	briefly description
front panel 3 U aluminum plate	6	TEK103006	sheet metal front plate-3 U-6 HP
	7	TEK103007	sheet metal front plate-3 U-7 HP
	8	TEK103008	sheet metal front plate-3 U-8 HP
	10	TEK103010	sheet metal front plate-3 U-10 HP
	12	TEK103012	sheet metal front plate-3 U-12 HP
	14	TEK103014	sheet metal front plate-3 U-14 HP
	21	TEK103021	sheet metal front plate-3 U-21 HP
	28	TEK103028	sheet metal front plate-3 U-28 HP
	42	TEK103042	sheet metal front plate-3 U-42 HP
front panel 3 U aluminum plate with handle	6	TEK103006G	sheet metal front plate-3 U-6 HP-handle
	7	TEK103007G	sheet metal front plate-3 U-7 HP-handle
	8	TEK103008G	sheet metal front plate-3 U-8 HP-handle
	10	TEK103010G	sheet metal front plate-3 U-10 HP-handle
	12	TEK103012G	sheet metal front plate-3 U-12 HP-handle
	14	TEK103014G	sheet metal front plate-3 U-14 HP-handle
	21	TEK103021G	sheet metal front plate-3 U-21 HP-handle
	28	TEK103028G	sheet metal front plate-3 U-28 HP-handle
	42	TEK103042G	sheet metal front plate-3 U-42 HP-handle
description	**HP**	**part no.**	**briefly description**
front panel 3 U made of aluminum profile	6	TEK113006	profile front plate-3 U-6 HP
	7	TEK113007	profile front plate-3 U-7 HP
	8	TEK113008	profile front plate-3 U-8 HP
	10	TEK113010	profile front plate-3 U-10 HP
	12	TEK113012	profile front plate-3 U-12 HP
front panel 3 U made of aluminum profile with handle	6	TEK113006G	profile front plate-3 U-6 HP-handle
	7	TEK113007G	profile front plate-3 U-7 HP-handle
	8	TEK113008G	profile front plate-3 U-8 HP-handle
	10	TEK113010G	profile front plate-3 U-10 HP-handle
	12	TEK113012G	profile front plate-3 U-12 HP-handle
description	**HP**	**part no.**	**briefly description**
front panel 6 U aluminum plate	6	TEK106006	sheet metal front plate-6 U-6 HP
	7	TEK106007	sheet metal front plate-6 U-7 HP
	8	TEK106008	sheet metal front plate-6 U-8 HP
	10	TEK106010	sheet metal front plate-6 U-10 HP
	12	TEK106012	sheet metal front plate-6 U-12 HP
	14	TEK106014	sheet metal front plate-6 U-14 HP
	21	TEK106021	sheet metal front plate-6 U-21 HP
	28	TEK106028	sheet metal front plate-6 U-28 HP
	42	TEK106042	sheet metal front plate-6 U-42 HP
front panel 6 U aluminum plate with handle	6	TEK106006G	sheet metal front plate-6 U-6 HP-handle
	7	TEK106007G	sheet metal front plate-6 U-7 HP-handle
	8	TEK106008G	sheet metal front plate-6 U-8 HP-handle
	10	TEK106010G	sheet metal front plate-6 U-10 HP-handle
	12	TEK106012G	sheet metal front plate-6 U-12 HP-handle
	14	TEK106014G	sheet metal front plate-6 U-14 HP-handle
	21	TEK106021G	sheet metal front plate-6 U-21 HP-handle
	28	TEK106028G	sheet metal front plate-6 U-28 HP-handle
	42	TEK106042G	sheet metal front plate-6 U-42 HP-handle
description	**HP**	**part no.**	**briefly description**
front panel 6 U made of aluminum profile	6	TEK116006	sheet metal front plate-6 U-6 HP
	7	TEK116007	sheet metal front plate-6 U-7 HP
	8	TEK116008	sheet metal front plate-6 U-8 HP
	10	TEK116010	sheet metal front plate-6 U-10 HP
	12	TEK116012	sheet metal front plate-6 U-12 HP
front panel 6 U made of aluminum profile with handle	6	TEK116006G	sheet metal front plate-6 U-6 HP-handle
	7	TEK116007G	sheet metal front plate-6 U-7 HP-handle
	8	TEK116008G	sheet metal front plate-6 U-8 HP-handle
	10	TEK116010G	sheet metal front plate-6 U-10 HP-handle
	12	TEK116012G	sheet metal front plate-6 U-12 HP-handle

Zeichnungsposition B, C, D, E

drawing position B, C, D, E

Zeichnungs-Position B - drawing position B

Rückplatte 3 HE - rear panel 3 U		
TE	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
8	TEK103308	Rückplatte 3 HE-8 TE back panel 3 U-8 HP
10	TEK103310	Rückplatte 3 HE-10 TE back panel 3 U-10 HP
12	TEK103312	Rückplatte 3 HE-12 TE back panel 3 U-12 HP
14	TEK103314	Rückplatte 3 HE-14 TE back panel 3 U- 14 HP
21	TEK103321	Rückplatte 3 HE-21 TE back panel 3 U-21 HP
28	TEK103328	Rückplatte 3 HE-28 TE back panel 3 U-28 HP
42	TEK103342	Rückplatte 3 HE-42 TE back panel 3 U-42 HP

Zeichnungs-Position B - drawing position B

Rückplatte 6 HE - rear panel 6 U		
TE	**Best.-Nr. - part. no.**	**Kurzbeschreibung - description**
8	TEK106308	Rückplatte 6 HE-8 TE back panel 6 U-8 HP
10	TEK106310	Rückplatte 6 HE-10 TE back panel 6 U-10 HP
12	TEK106312	Rückplatte 6 HE-12 TE back panel 6 U-12 HP
14	TEK106314	Rückplatte-6 HE-14 TE back panel 6 U-14 HP
21	TEK106321	Rückplatte-6 HE-21 TE back panel 6 U-21 HP
28	TEK106328	Rückplatte-6 HE-28 TE back panel 6 U-28 HP
42	TEK106342	Rückplatte-6 HE-42 TE back panel 6 U-42 HP

Zeichnungs-Position C - drawing position C

Seitenteil einteilig 3 HE ohne Lüftungsschlitze side panel one piece 3 U without ventilation slots		
Tiefe depth (mm)	**Best.-Nr. part no.**	**Kurzbeschreibung description**
166	TEK711600	Seite einTeil 3 HE-166 mm tief side one piece 3 U-166 mm deep
226	TEK712200	Seite einTeil 3 HE-226 mm tief side one piece 3 U-266 mm deep
Seitenteil einteilig 3 HE mit Lüftungsschlitze side panel one piece 3 U with ventilation slots		
Tiefe depth (mm)	**Best.-Nr. part no.**	**Kurzbeschreibung description**
166	TEK711602	Seite einTeil 3 HE-166 mm tief- Lüftungsschlitze side one piece 3 U-166 mm deep ventilation slots
226	TEK712202	Seite einTeil 3 HE-226 mm tief- Lüftungsschlitze side one piece 3 U-166 mm deep ventilation slots

Zeichnungs-Position D - drawing position D

Bezeichnung description	**Tiefe depth (mm)**	**Best.-Nr. part no.**	**Kurzbeschreibung description**
Seitenwand 3-teilig side wall 3-pieces	166	TEK701600	Seite-3 Teile-166 mm tief side one pice166 mm deep
	226	TEK702200	Seite-3 Teile-226 mm tief side one piece 226 mm deep
Bezeichnung description	**Tiefe depth (mm)**	**Best.-Nr. part no.**	**Kurzbeschreibung description**
Seitenwand 3-teilig side wall 3-pieces	166	TEK701601	Seite 3 Teile-166 mm tief Bohrung vertikal side 3 pieces 166 mm deep vertical drilling
	226	TEK702201	Seite 3-Teile-226 mm tief Bohrung vertikal side 3 pieces 226 mm deep vertical drilling
Bezeichnung description	**Tiefe depth (mm)**	**Best.-Nr. part no.**	**Kurzbeschreibung description**
Seitenwand 3-teilig side wall 3-pieces	166	TEK701602	Seite 3 Teile-166 mm tief Bohrung horizontal side 3 pieces 166 mm deep horizontal drilling
	226	TEK702202	Seite 3 Teile-226 mm tief Bohrung horizontal side 3 pieces 226 mm deep horizontal drilling

Zeichnungs-Position E - drawing position E

Bezeichnung - description	**Tiefe - depth**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
Seitenwand 3-teilig sidewall 3 pieces	166	TEK603160	Seite-3-teilig-Füllstück-3 HE-166 mm tief side-3 pieces-filler piece-3 U-166 mm deep
	226	TEK603220	Seite-3-teilig-Füllstück-3 HE-226 mm tief side-3 pieces-filler piece-3 U-226 mm deep
Bezeichnung - description	**Tiefe - depth**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
Seitenwand 3-teilig gelocht sidewall perforated 3-pieces	166	TEK603161	Seite-3-teilig-Füllstück-3 HE-166 mm tief / gelocht side-3 pieces-filler piece-3 U-166 mm deep / perforated
	226	TEK603221	Seite-3-teilig-Füllstück-3 HE-226 mm tief / gelocht side-3 pieces-filler piece-3 U-226 mm deep / perforated
Bezeichnung - description	**Tiefe - depth**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
Seitenwand 3-teilig gelocht sidewall perforated 3-pieces	166	TEK603162	Seite-3-teilig-Füllstück-3 HE-166 mm tief / gelocht / Lüftungsschlitze side-3 pieces-filler piece-3 U-166 mm deep / perforated / ventilation slots
	226	TEK603222	Seite-3-teilig-Füllstück-3 HE-226 mm tief / gelocht / Lüftungsschlitze side-3 pieces-filler piece-3 U-226 mm deep / perforated / ventilation slots
Bezeichnung - description	**Tiefe - depth**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
Seitenwand 3-teilig sidewall 3 pieces	166	TEK606160	Seite-3-teilig-Füllstück-6 HE-166 mm tief side-3 pieces-filler piece-6 U-166 mm deep
	226	TEK606220	Seite-3-teilig-Füllstück-6 HE-226 mm tief side-3 pieces-filler piece-6 U-226 mm deep
Bezeichnung - description	**Tiefe - depth**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
Seitenwand 3-teilig gelocht sidewall perforated 3-pieces	166	TEK606161	Seite-3-teilig-Füllstück-6 HE-166 mm tief-gelocht side-3 pieces-filler piece-6 U-166 mm deep perforated
	226	TEK606221	Seite-3-teilig-Füllstück-6 HE-226 mm tief-gelocht side-3 pieces-filler piece-6 U-226 mm deep perforated

TEK521162
Kartenführung
TEK521162
card guide

TEK711600
Seitenwand
TEK711600
side wall

TEK821162 Deckblech mit Lüftungschlitzen
TEK821162 cover plate with ventilation slots

Zeichnungsposition F — drawing position F

Bezeichnung / description	TE	Tiefe / depth (mm)	Best.-Nr. / Part no.	Kurzbeschreibung / description
Deckelblech ohne Lüftungsschlitze cover sheet without ventilation slots	7	166	TEK807160	Deckblech 7 TE-166 mm tief cover sheet 7 HP-166mm deep
	8	166	TEK808160	Deckblech 8 TE-166 mm tief cover sheet 8 HP-166mm deep
	10	166	TEK810160	Deckblech 10 TE-166 mm tief cover sheet 10 HP-166mm deep
	12	166	TEK812160	Deckblech 12 TE-166 mm tief cover sheet 12 HP-166 mm deep
	14	166	TEK814160	Deckblech 14 TE-166 mm tief cover sheet 14 HP-166 mm deep
	21	166	TEK821160	Deckblech 21 TE-166 mm tief cover sheet 21 HP-166 mm deep
	28	166	TEK828160	Deckblech 28 TE-166 mm tief cover sheet 28 HP-166 mm deep
	42	166	TEK842160	Deckblech 42 TE-166 mm tief cover sheet 42 HP-166 mm deep
Bezeichnung / description	**TE**	**Tiefe / depth (mm)**	**Best.-Nr. / part no.**	**Kurzbeschreibung / description**
Deckelblech mit Lüftungsschlitze cover sheet with ventilation slots	7	166	TEK807162	Deckblech 7 TE-166 mm tief Lüftungsschlitze cover sheet 7 HP-166 mm deep with ventilation holes
	8	166	TEK808162	Deckblech 8 TE-166 mm tief Lüftungsschlitze cover sheet 8 HP-166 mm deep with ventilation holes
	10	166	TEK810162	Deckblech 10 TE-166 mm tief Lüftungsschlitze cover sheet 10 HP-166 mm deep with ventilation holes
	12	166	TEK812162	Deckblech 12 TE-166 mm tief Lüftungsschlitze cover sheet 12 HP-166 mm deep with ventilation holes
	14	166	TEK814162	Deckblech 14 TE-166 mm tief Lüftungsschlitze cover sheet 14 HP-166 mm deep with ventilation holes
	21	166	TEK821162	Deckblech 21 TE-166 mm tief Lüftungsschlitze cover sheet 21 HP-166 mm deep with ventilation holes
	28	166	TEK828162	Deckblech 28 TE-166 mm tief Lüftungsschlitze cover sheet 28 HP-166 mm deep with ventilation holes
	42	166	TEK842162	Deckblech 42 TE-166 mm tief Lüftungsschlitze cover sheet 42 HP-166 mm deep with ventilation holes
Bezeichnung / description	**TE**	**Tiefe / depth (mm)**	**Best.-Nr. / part no.**	**Kurzbeschreibung / description**
Deckelblech ohne Lüftungsschlitze cover sheet without ventilation slots	7	226	TEK807220	Deckblech 7 TE-226 mm tief cover sheet 7 HP-226mm deep
	8	226	TEK808220	Deckblech 8 TE-226 mm tief cover sheet 8 HP-226mm deep
	10	226	TEK810220	Deckblech 10 TE-226 mm tief cover sheet 10 HP-226mm deep
	12	226	TEK812220	Deckblech 12 TE-226 mm tief cover sheet 12 HP-226mm deep
	14	226	TEK814220	Deckblech 14 TE-226 mm tief cover sheet 14 HP-226mm deep
	21	226	TEK821220	Deckblech 21 TE-226 mm tief cover sheet 21 HP-226mm deep
	28	226	TEK828220	Deckblech 28 TE-226 mm tief cover sheet 28 HP-226mm deep
	42	226	TEK842220	Deckblech 42 TE-226 mm tief cover sheet 28 HP-226mm deep
Bezeichnung / description	**TE**	**Tiefe / depth (mm)**	**Best.-Nr. / part no.**	**Kurzbeschreibung / description**
Deckelblech mit Lüftungsschlitze cover sheet with ventilation slots	7	226	TEK807222	Deckblech 7 TE-226 mm tief Lüftungsschlitze cover sheet 7 HP-226 mm deep ventilation holes
	8	226	TEK808222	Deckblech 8 TE-226 mm tief Lüftungsschlitze cover sheet 8 HP-226 mm deep ventilation holes
	10	226	TEK810222	Deckblech 10 TE-226 mm tief Lüftungsschlitze cover sheet 10 HP-226 mm deep ventilation holes
	12	226	TEK812222	Deckblech 12 TE-226 mm tief Lüftungsschlitze cover sheet 12 HP-226 mm deep ventilation holes
	14	226	TEK814222	Deckblech 14 TE-226 mm tief Lüftungsschlitze cover sheet 14 HP-226 mm deep ventilation holes
	21	226	TEK821222	Deckblech 21 TE-226 mm tief Lüftungsschlitze cover sheet 21 HP-226 mm deep ventilation holes
	28	226	TEK828222	Deckblech 28 TE-226 mm tief Lüftungsschlitze cover sheet 28 HP-226 mm deep ventilation holes
	42	226	TEK842222	Deckblech 42 TE-226 mm tief Lüftungsschlitze cover sheet 42 HP-226 mm deep ventilation holes

Zeichnungsposition G drawing position G

Zeichnungs-Position G - drawing position G

Bezeichnung - escription	TE	Best.-Nr. - part no.	Kurzbeschreibung - description
Griffleiste aus Aluminium-Profil handle made of aluminum profile	6	TEK06FGLA	Griff-6 TE natur eloxiert handle-6 HP natural anodized
	7	TEK07FGLA	Griff-7 TE natur eloxiert handle-7 HP natural anodized
	8	TEK08FGLA	Griff-8 TE natur eloxiert handle-8 HP natural anodized
	10	TEK10FGLA	Griff-10 TE natur eloxiert handle-10 HP natural anodized
	12	TEK12FGLA	Griff-12 TE natur eloxiert handle-12 HP natural anodized
	14	TEK14FGLA	Griff-14 TE natur eloxiert handle-14 HP natural anodized
	21	TEK21FGLA	Griff-21 TE natur eloxiert handle-21 HP natural anodized
	28	TEK28FGLA	Griff-28 TE natur eloxiert handle-28 HP natural anodized
	42	TEK42FGLA	Griff-42 TE natur eloxiert handle-42 HP natural anodized
Bezeichnung - escription	**TE**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
Griffleiste aus Aluminium-Profil handle made of aluminum profile	6	TEK06FGLAS	Griff-6 TE schwarz eloxiert handle-6 HP black anodized
	7	TEK07FGLAS	Griff-7 TE schwarz eloxiert handle-7 HP black anodized
	8	TEK08FGLAS	Griff-8 TE schwarz eloxiert handle-8 HP black anodized
	10	TEK10FGLAS	Griff-10 TE schwarz eloxiert handle-10 HP black anodized
	12	TEK12FGLAS	Griff-12 TE schwarz eloxiert handle-12 HP black anodized
	14	TEK14FGLAS	Griff-14 TE schwarz eloxiert handle-14 HP black anodized
	21	TEK21FGLAS	Griff-21 TE schwarz eloxiert handle-21 HP black anodized
	28	TEK28FGLAS	Griff-28 TE schwarz eloxiert handle-28 HP black anodized
	42	TEK42FGLAS	Griff-42 TE schwarz eloxiert handle-42 HP black anodized

Bitte beachten:
Für alle Einzelteile der Serie TEK beträgt die Verpackungseinheit 10 Stück bzw. 10 Sets.
Die Mindestbestellmenge bei kompletten Kassettensystemen beträgt 10 Stück.

Please note:
For all items of the series TEK packing unit is 10 pieces or 10 set.
The minimum order quantity for complete cassette systems is 10 pieces.

Die zugehörigen Zeichnungspositionen zu den Einzelteilen finden Sie auf der nächsten Seite.
3D Daten auf Anforderung. Sonderausführungen sind möglich.

The accompanying drawing items to the items you find on the next page.
3D data on request. Special designs are possible.

Zeichnungsposition H drawing position H

Zeichnungs-Position H - drawing position H

Bezeichnung - description	TE	Tiefe - depth	Best.-Nr. - part no.	Kurzbeschreibung - description
Blech mit Kartenführung und Lüftungsschlitze 166 mm tief **sheet metal with card guide slots and 166 mm depth**	10	166	TEK510161	Kartenführung 10 TE- 166 mm card guide 10HP- 166 mm
	12	166	TEK512161	Kartenführung 12 TE- 166 mm card guide 12HP- 166 mm
	14	166	TEK514161	Kartenführung 14 TE- 166 mm card guide 14HP- 166 mm
	21	166	TEK521161	Kartenführung 21TE- 166 mm card guide 14HP- 166 mm
	28	166	TEK528161	Kartenführung 28 TE- 166 mm card guide 28 HP- 166 mm
	42	166	TEK542161	Kartenführung 42 TE- 166 mm card guide 42HP- 166 mm
Bezeichnung - description	**TE**	**Tiefe - depth**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
Blech mit Kartenführung und Lüftungsschlitze 226 mm tief **sheet metal with card guide slots and 226 mm depth**	10	226	TEK510221	Kartenführung 10 TE- 226 mm card guide 10HP- 226 mm
	12	226	TEK512221	Kartenführung 12 TE- 226 mm card guide 12HP-226 mm
	14	226	TEK514221	Kartenführung 14 TE- 226 mm card guide 14HP-226 mm
	21	226	TEK521221	Kartenführung 21TE- 226 mm card guide 21 HP-226 mm
	28	226	TEK528221	Kartenführung 28 TE- 226 mm card guide 28 HP- 226 mm
	42	226	TEK542221	Kartenführung 42 TE- 226 mm card guide 42 HP-226 mm

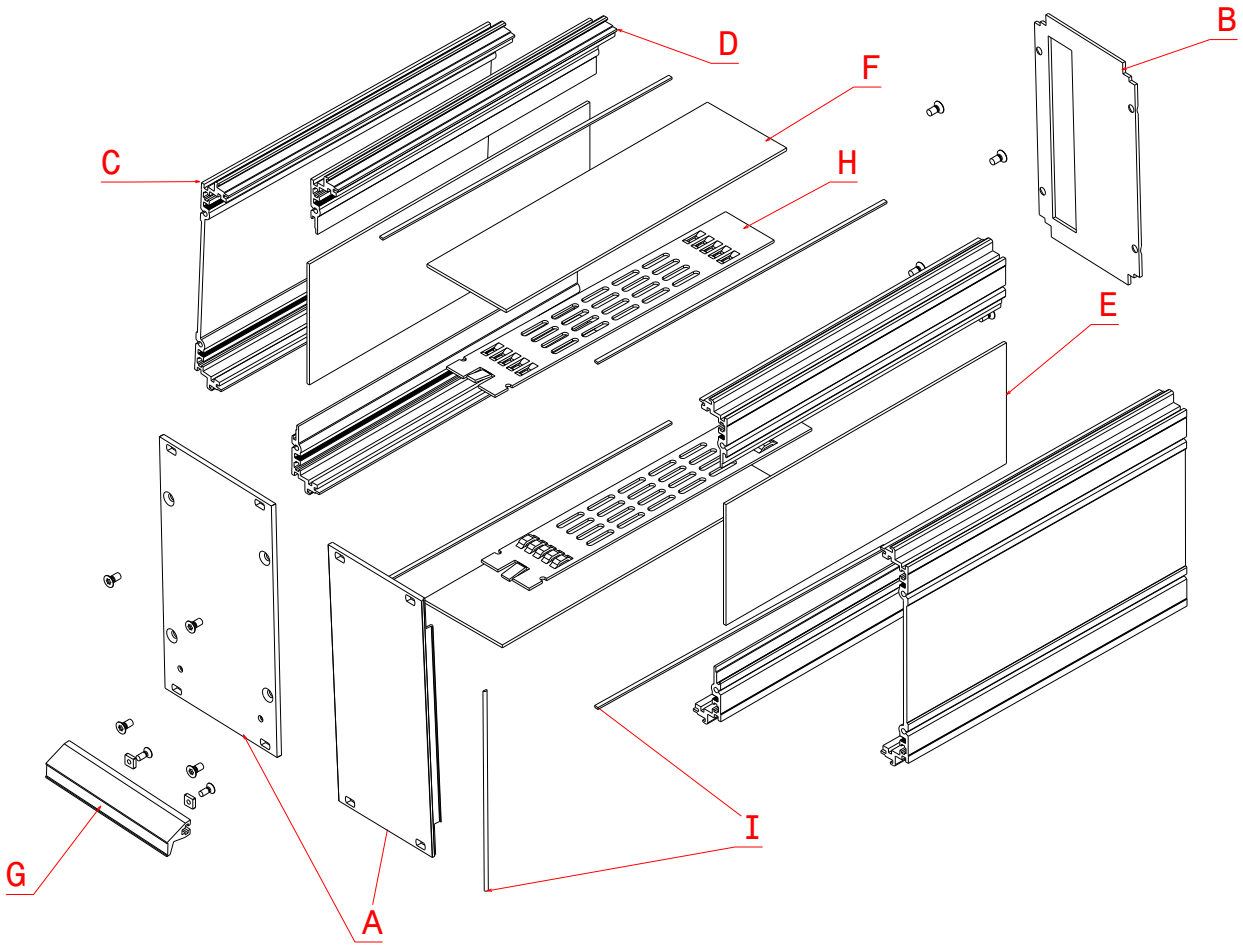
Zeichnungsposition I drawing position I

Zeichnungs-Position I - drawing position I

Bezeichnung - description	Länge - length	Best.-Nr. - part no.	Kurzbeschreibung - description
EMV Dichtung **EMC seal**	3	TEK412098	EMV-Dichtung f. Profil-Frontplatte 3 HE EMC seal for profile front panel 3 U
	6	TEK412231	EMV-Dichtung f. Profil-Frontplatte 6 HE EMC-seal for profile front panel 6 U
Bezeichnung - description	**Länge - length**	**Best.-Nr. - part no.**	**Kurzbeschreibung - description**
EMV Dichtung **EMC seal**	166	TEK422166	EMV-Dichtung für Gehäuse-166 tief EMC seal for enclosure depth 166
	226	TEK422226	EMV-Dichtung für Gehäuse-226 tief EMC seal for enclosure depth 166

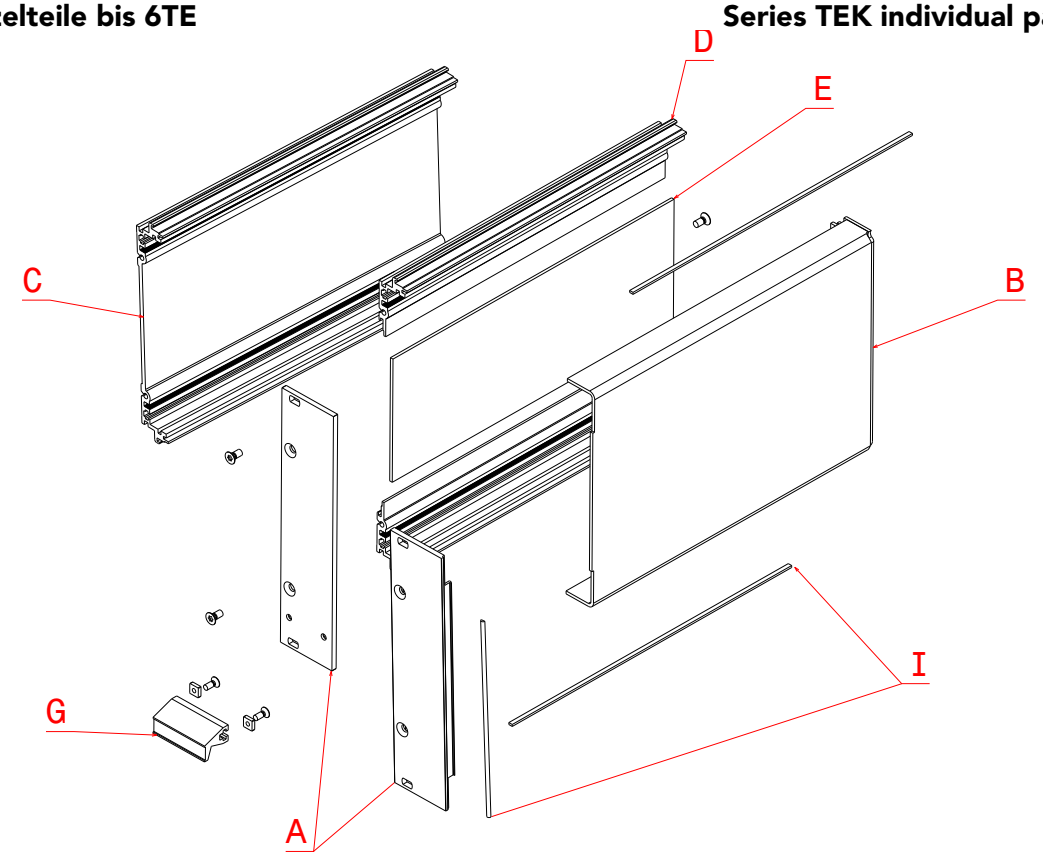
Serie TEK Einzelteile ab 7TE

Series TEK individual parts 7HP



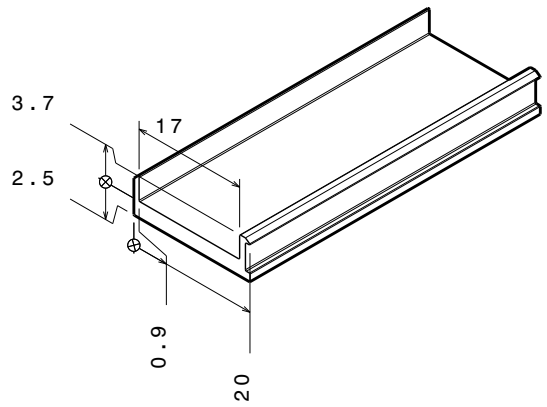
Serie TEK Einzelteile bis 6TE

Series TEK individual parts 6HP

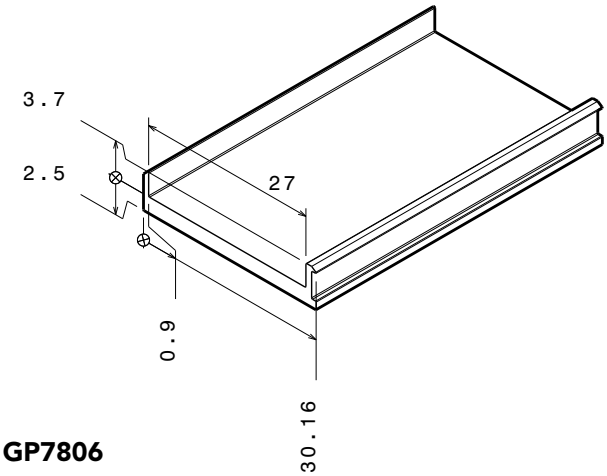


Serie TEK
Pofilübersicht

Series TEK
profile overview



GP7804



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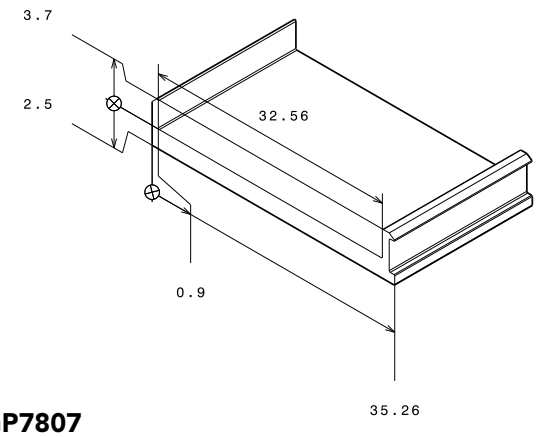

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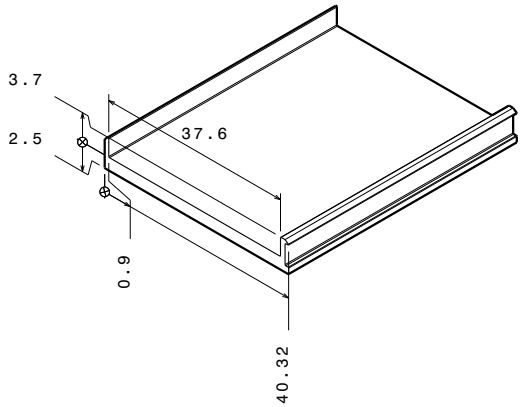

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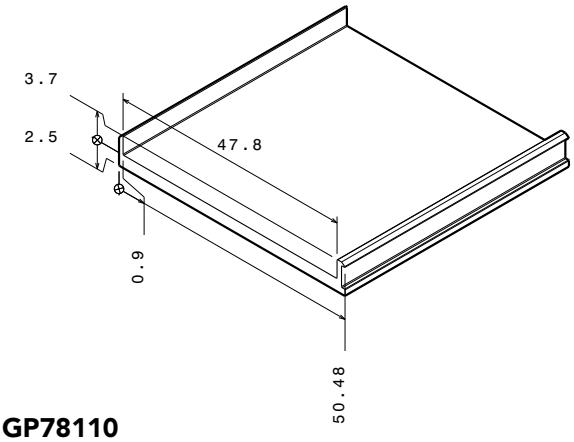

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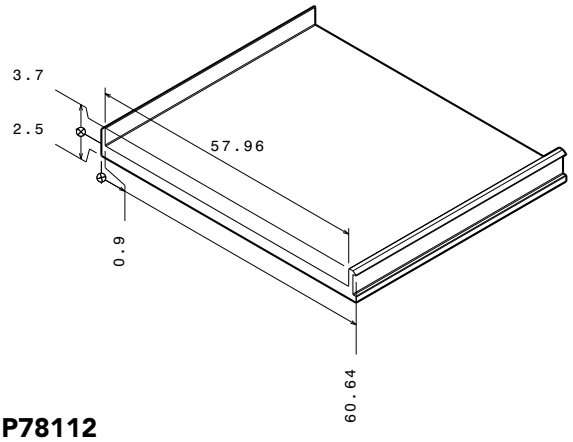

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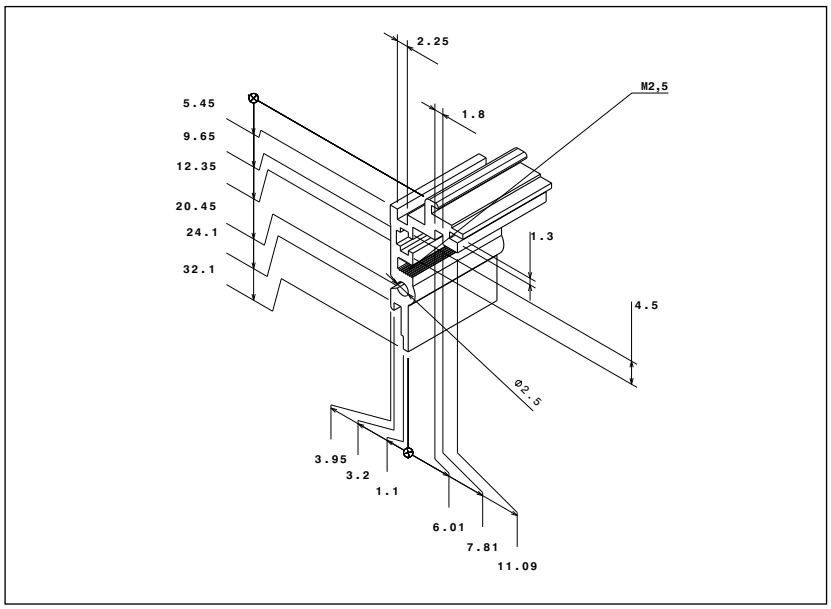
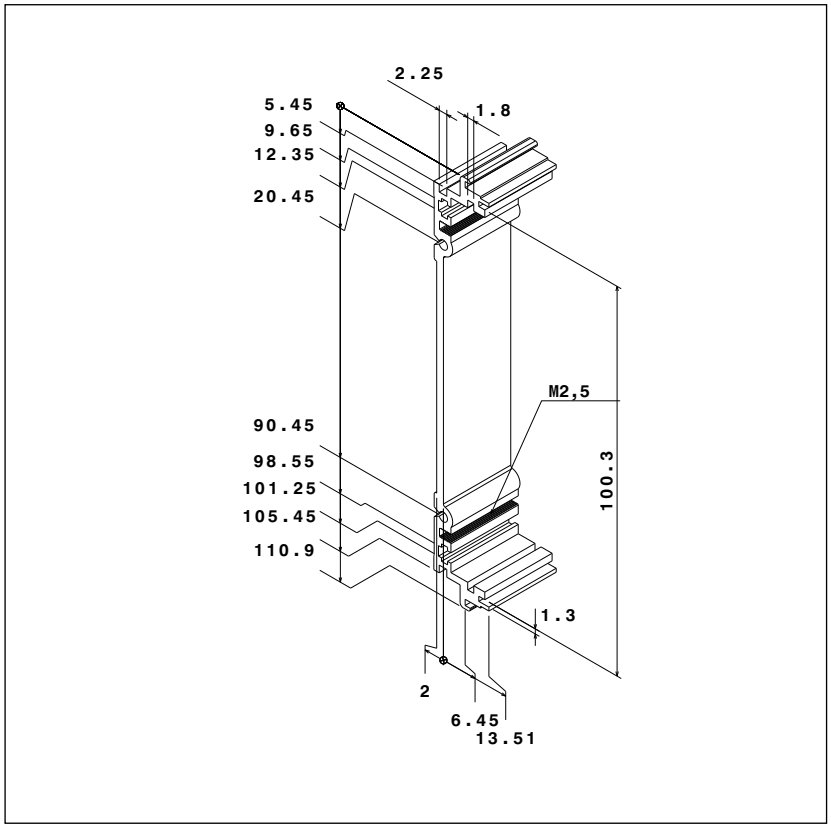


GP7001

Eckprofil für 3-teilige Seitenwand Serie TEK

Corner profile for 3-part sidewall series TEK



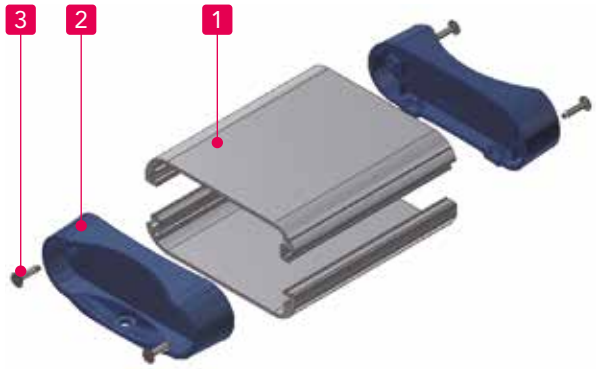
GP7101

Seitenwand einteilig 3HE Serie TEK

side wall one-piece 3U series TEK

Serie MXF - Netzwerkgehäuse zur Wandbefestigung

Series MXF - Flanged network aluminium enclosure



- Netzwerkgehäuse mit Befestigungsflansch.
- 8 unterschiedliche Farbkombinationen und 12 verschiedene Größen verfügbar.
- Geeignet für Anwendungen als Transmitter, Messgerät, Controller-Gehäuse etc.
- Integrierte Führungsnuten im Gehäuseprofil für eine einfache Montage der Leiterplatten.

- Flanged network enclosure with easy to hold rounded design.
- 8 different color combinations and 12 different sizes available to choose from.
- Suitable to be used as transmitters, measurement tools, controllers, etc.
- Grooves are built into the internal enclosure, allowing for easy sliding/insertion of pcb boards.

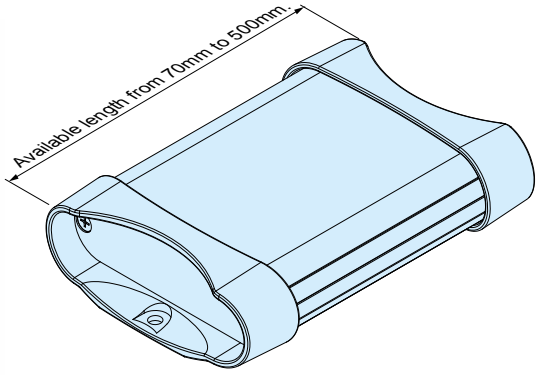
Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Profil	2	Extrudiertes Aluminium A6063S-T5	silber / schwarz
2	Fronteplatte mit Befestigungsflansch	2	ABS UL94HB	schwarz • grau / unlackiert navy • limette / lackiert
3	Selbstformende Schraube	4	Stahl	vernickelt • schwarz verchromt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Frame	2	Extruded aluminium A6063S-T5	silver / black
2	Flanged panel	2	ABS UL94HB	black • gray / unpainted navy • lime / painted
3	Self tapping screw	4	Steel	Nickel plated • black trivalent chromate

Sonderlängen möglich in 1mm Schritten. - Custom length available in 1mm intervals.

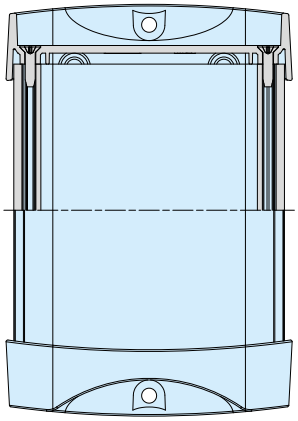


MXF Maße — MXF dimensions

Farbvarianten Bitte wählen Sie die Farbkombination aus der Tabelle unten
※schwarz • grau Deckelplatten / unlackiert navy • limette Deckelplatten / lackiert

Color Type Please choose from the color combinations listed below
※black • gray panels / unpainted navy • lime panels / painted

[B][B] schwarz / schwarz [B][B] black / black	[B][G] schwarz / grau [B][G] black / gray	[B][N] schwarz / navy [B][N] black / navy	[B][L] schwarz / limette [B][L] black / lime
[S][B] silber / schwarz [S][B] silver / black	[S][G] silber / grau [S][G] silver / gray	[S][N] silber / navy [S][N] silver / navy	[S][L] silber / limette [S][L] silver / lime



Schrauben - screws
MXF2-6 model : M2.6-14 x 4 pcs
MXF2-8, 3-11 models : M3-12 x 4 pcs
MXF4-13 model : M3-14 x 4 pcs

Schraubenantrieb - Screw Type

P	H
Plus head	Hexalobular head

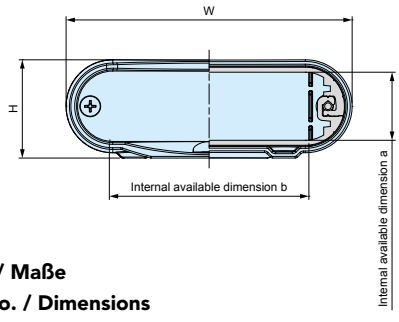
Bei Anfragen / Bestellungen bitte die Artikelbezeichnung wie folgt angeben.

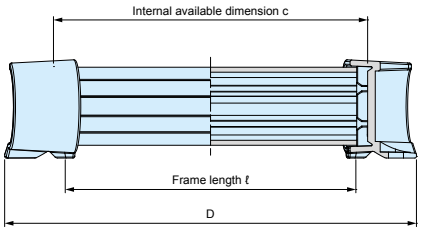
Please request / order by indicating the combination part number as below.

MXF 2 – 6 – 7 ☐ ☐ ☐

Farbcode
Color code

Schraube
Screw
P or H





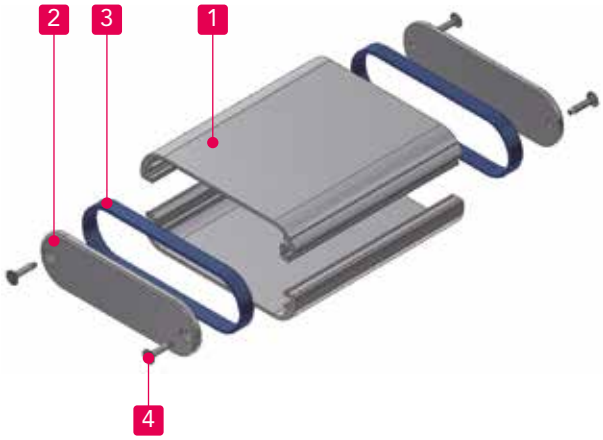
Best.-Nr. / Maße
Product no. / Dimensions

■ Bitte vervollständigen Sie die Bestell-Nr. mit dem Farcode.
■ Please suffix color and screw code at the end of the product number.

Best.-Nr. / Product no.	H	W	D	a	b	c	ℓ	Weight (g)
NEW MXF2- 6- 7□□□	23.4	60.9	65	15.1	41.1	45	40	44
NEW MXF2- 6- 9□□□	23.4	60.9	90	15.1	41.1	70	65	59
NEW MXF2- 6-12□□□	23.4	60.9	115	15.1	41.1	95	90	75
NEW MXF2- 8- 9□□□	29.6	86.1	94	20.5	60.1	64.6	58	90
NEW MXF2- 8-12□□□	29.6	86.1	124	20.5	60.1	94.6	88	121
NEW MXF2- 8-15□□□	29.6	86.1	154	20.5	60.1	124.6	118	153
NEW MXF3-11-10□□□	35.6	114.2	104	26.5	87.3	74.6	66	130
NEW MXF3-11-14□□□	35.6	114.2	144	26.5	87.3	114.6	106	184
NEW MXF3-11-19□□□	35.6	114.2	194	26.5	87.3	164.6	156	251
NEW MXF4-13-12□□□	40.6	134.2	124	31	104.1	94.4	84	197
NEW MXF4-13-17□□□	40.6	134.2	174	31	104.1	144.4	134	284
NEW MXF4-13-23□□□	40.6	134.2	234	31	104.1	204.4	194	388

Serie MXB - Mobiles Designgehäuse mit Silikonband

Series MXB - aluminium mobile enclosure with silicone band



- Aluminiumgehäuse mit Antirutsch und stoßfesten Silikonband.
- 16 verschiedene Farbkombinationen und 30 unterschiedliche Größen verfügbar.
- Geeignet für Anwendungen als Audioverstärker, Kommunikationsgeräte, Messgeräte, etc.

- All aluminium mobile enclosure with anti-slip, impact resistant silicone band.
- 16 different color combinations and 30 different sizes available to choose from.
- Suitable to be used as digital audio amplifiers, communication devices, measurement tools, etc.

Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Profil	2	extrudiertes Aluminium A6063S-T5	silber / schwarz
2	Deckelplatte	2	Aluminium A1050P	schwarz • silber / eloxiert
3	Silikonband	2	Silikon	schwarz • lichtgrau • navy • cyan • grün • gelb • orange • rot
4	selbstformende Schraube	4	Stahl	vernickelt • schwarz verchromt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Frame	2	Extruded aluminium A6063S-T5	silver / black
2	Panel	2	Aluminium A1050P	black • silver / anodized
3	Silicone band	2	Silicone	black • light gray • navy • cyan • green • yellow • orange • red
4	Self tapping screw	4	Steel	nickel plated • black trivalent chromate

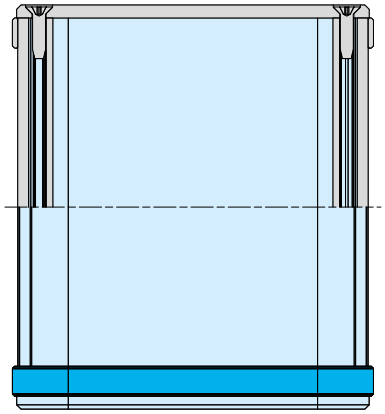
Farbvarianten - Color Type

BB black / black	BL black / light gray	BN black / navy	BC black / cyan	BG black / green	BY black / yellow	BO black / orange	BR black / red
SB silver / black	**SL silver / light gray**	**SN silver / navy**	**SC silver / cyan**	**SG silver / green**	**SY silver / yellow**	**SO silver / orange**	**SR silver / red**

- Mixen Sie die MXA-Serie mit den Silikonbändern der Serie SIB, um weitere Farbvarianten zu erhalten.
- Mix and match the MXA series with the SIB series silicone band for a wider variety of color combinations.

MXB Maße

MXB dimensions



Schrauben - screws

MXB1-5, 2-4, 2-6, 2-10 models : M2.6-14 x 4 pcs

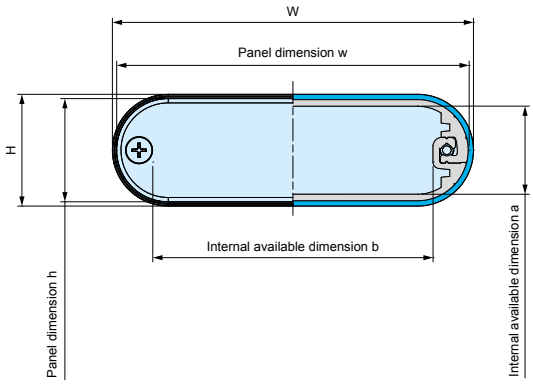
MXB2-7, 2-8, 3-11, 4-7, 4-10, 4-13 models : M3-10 x 4 pcs

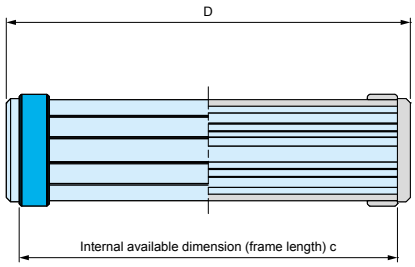
Schraubenantrieb - Screw Type

P	H
Plus head	Hexalobular head

Bei Anfragen / Bestellungen bitte die Artikelbezeichnung wie folgt angeben.

Please request / order by indicating the combination part number as below.





Farbcode Color code

Schraube Screw P or H

MXB 1 – 5 – 5 □ □ □

Best.-Nr. / Maße

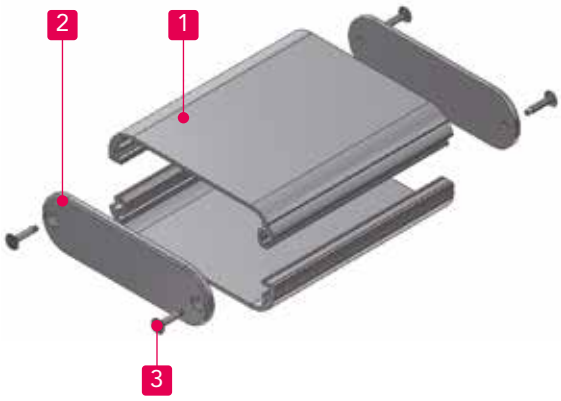
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestell-Nr. mit dem Farcode.
- Please suffix color and screw code at the end of the product number.

Product no.	H	W	D	h	w	a	b	c	Weight (g)
NEW MXB1- 5- 5□□□	15.8	50.4	49	13	48	10.2	33.6	43	26
NEW MXB1- 5- 8□□□	15.8	50.4	79	13	48	10.2	33.6	73	41
NEW MXB1- 5-11□□□	15.8	50.4	109	13	48	10.2	33.6	103	56
NEW MXB2- 4- 4□□□	18	43.6	44	15	41	12.2	26.6	38	26
NEW MXB2- 4- 7□□□	18	43.6	74	15	41	12.2	26.6	68	41
NEW MXB2- 4-10□□□	18	43.6	104	15	41	12.2	26.6	98	51
NEW MXB2- 6- 5□□□	20.3	59.6	46	18	57	15.1	42.5	40	36
NEW MXB2- 6- 7□□□	20.3	59.6	71	18	57	15.1	42.5	65	51
NEW MXB2- 6-10□□□	20.3	59.6	96	18	57	15.1	42.5	90	66
NEW MXB2- 7- 5□□□	23.5	72.5	54	20	70	16.5	53.2	48	57
NEW MXB2- 7- 8□□□	23.5	72.5	84	20	70	16.5	53.2	78	82
NEW MXB2- 7-11□□□	23.5	72.5	114	20	70	16.5	53.2	108	112
NEW MXB2- 8- 6□□□	26.5	84.8	64	24	82	20.5	65.2	58	77
NEW MXB2- 8- 9□□□	26.5	84.8	94	24	82	20.5	65.2	88	107
NEW MXB2- 8-12□□□	26.5	84.8	124	24	82	20.5	65.2	118	137
NEW MXB2-10- 7□□□	20.3	103.6	74	16	100	13.2	85.6	68	75
NEW MXB2-10-10□□□	20.3	103.6	104	16	100	13.2	85.6	98	105
NEW MXB2-10-14□□□	20.3	103.6	144	16	100	13.2	85.6	138	140
NEW MXB3-11- 7□□□	33.5	113.9	72	30	110	26.5	93.2	66	120
NEW MXB3-11-11□□□	33.5	113.9	112	30	110	26.5	93.2	106	170
NEW MXB3-11-16□□□	33.5	113.9	162	30	110	26.5	93.2	156	240
NEW MXB4- 7- 5□□□	38.2	72	52	35	70	31.4	53.2	46	72
NEW MXB4- 7- 8□□□	38.2	72	82	35	70	31.4	53.2	76	102
NEW MXB4- 7-11□□□	38.2	72	112	35	70	31.4	53.2	106	137
NEW MXB4-10- 7□□□	44.7	97.9	70	40	95	36.4	78.2	64	125
NEW MXB4-10-11□□□	44.7	97.9	110	40	95	36.4	78.2	104	180
NEW MXB4-10-14□□□	44.7	97.9	140	40	95	36.4	78.2	134	225
NEW MXB4-13- 9□□□	38.5	134	90	35	130	31	113.2	84	187
NEW MXB4-13-14□□□	38.5	134	140	35	130	31	113.2	134	272
NEW MXB4-13-20□□□	38.5	134	200	35	130	31	113.2	194	377

Serie MXA - mobiles Aluminium Design-Gehäuse

Series MXA aluminium mobile enclosure



- 14 verschiedene Farbkombinationen und 30 unterschiedliche Größen verfügbar.
- Geeignet für Anwendungen als Audioverstärker, Kommunikationsgerät, Messgeräte, etc.
- Integrierte Führungsnuten ermöglichen eine einfache Montage der Leiterplatten.
- MXA1-5 Gehäuse hat keine integrierten Führungsnuten.

- 14 different color combinations and 30 different sizes available to choose from.
- Suitable to be used as digital audio amplifiers, communication devices, measurement tools, etc.
- Grooves are built into the internal enclosure, allowing for easy sliding/ insertion of pcb boards.
- MXA1-5 models do not have internal grooves.

Schrauben - screws
MXA1-5, 2-4, 2-6, 2-10 models : M2.6-10 x 4 pcs
MXA2-7, 2-8, 3-11, 4-7, 4-10, 4-13 models : M3-10 x 4 pcs

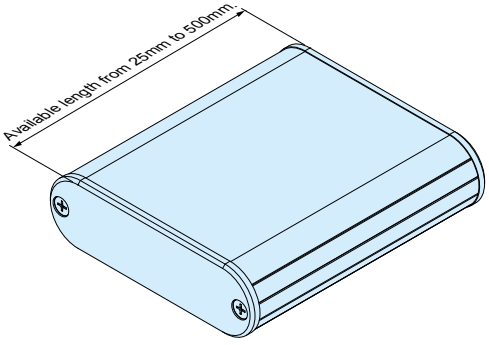
Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Profil	2	extrodiertes Aluminium A6063S-T5	silber / schwarz
2	Deckelplatte	2	Aluminium A1050P	schwarz • silber • cobalt • grün • lila • orange • rot / eloxiert
3	selbstformende Schraube	4	Stahl	vernickelt • schwarz verchromt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Frame	2	Extruded aluminium A6063S-T5	silver / black
2	Panel	2	Aluminium A1050P	black • silver • cobalt • green • purple • orange • red / anodized
3	Self tapping screw	4	Steel	nickel plated • black trivalent chromate

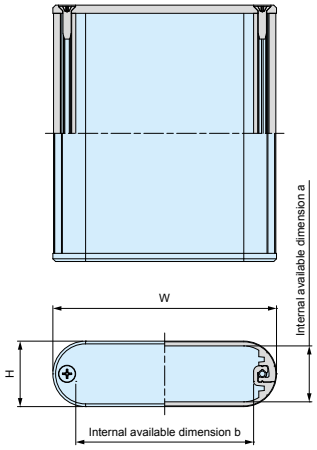
Sonderlängen möglich in 1mm Schritten. - Custom length available in 1mm intervals.

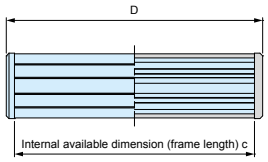


Farbvarianten Bitte wählen Sie die Farbkombination aus der Tabelle unten **Color Type** Please choose from the color combinations listed below

BB schwarz / schwarz BB black / black	BS schwarz / silber BS black / silver	BC schwarz / cobalt BC black / cobalt	BG schwarz / grün BG black / green	BP schwarz / lila BP black / purple	BO schwarz / orange BO black / orange	BR schwarz / rot BR black / red
SB silber / schwarz **SB silver / black**	**SS silber / silber** **SS silver / silver**	**SC silber / cobalt** **SC silver / cobalt**	**SG silber / grün** **SG silver / green**	**SP silber / lila** **SP silver / purple**	**SO silber / orange** **SO silver / orange**	**SR silber / rot** **SR silver / red**

MXA dimensions





Schraubenantrieb - Screw Type

P	H
Plus head	Hexalobular head

Bei Anfragen / Bestellungen bitte die Artikelbezeichnung wie folgt angeben.

MXA 1 – 5 – 5 □ □ □

Farbcode Color code **Schraube Screw P or H**

Please request / order by indicating the combination part number as below.

Zubehör (optional erhältlich)

Accessories (Optional parts)

Silikonband
Serie SIB

Silicone band
SIB series

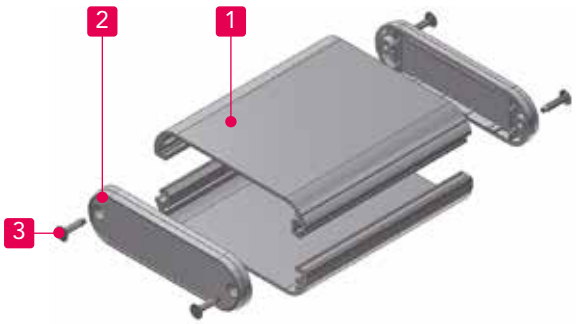
Best.-Nr. / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestell-Nr. mit dem Farcode.
- Please suffix color and screw code at the end of the product number.

Best.-Nr. - Product no.	H	W	D	a	b	c	Weight (g)
MXA1- 5- 5□□□	13	48	49	10.2	33.6	43	25
MXA1- 5- 8□□□	13	48	79	10.2	33.6	73	40
MXA1- 5-11□□□	13	48	109	10.2	33.6	103	55
MXA2- 4- 4□□□	15	41	44	12.2	26.6	38	25
MXA2- 4- 7□□□	15	41	74	12.2	26.6	68	40
MXA2- 4-10□□□	15	41	104	12.2	26.6	98	50
MXA2- 6- 5□□□	18	57	46	15.1	42.5	40	35
MXA2- 6- 7□□□	18	57	71	15.1	42.5	65	50
MXA2- 6-10□□□	18	57	96	15.1	42.5	90	65
MXA2- 7- 5□□□	20	70	54	16.5	53.2	48	55
MXA2- 7- 8□□□	20	70	84	16.5	53.2	78	80
MXA2- 7-11□□□	20	70	114	16.5	53.2	108	110
MXA2- 8- 6□□□	24	82	64	20.5	65.2	58	75
MXA2- 8- 9□□□	24	82	94	20.5	65.2	88	105
MXA2- 8-12□□□	24	82	124	20.5	65.2	118	135
MXA2-10- 7□□□	16	100	74	13.2	85.6	68	70
MXA2-10-10□□□	16	100	104	13.2	85.6	98	100
MXA2-10-14□□□	16	100	144	13.2	85.6	138	135
MXA3-11- 7□□□	30	110	72	26.5	93.2	66	115
MXA3-11-11□□□	30	110	112	26.5	93.2	106	165
MXA3-11-16□□□	30	110	162	26.5	93.2	156	235
MXA4- 7- 5□□□	35	70	52	31.4	53.2	46	70
MXA4- 7- 8□□□	35	70	82	31.4	53.2	76	100
MXA4- 7-11□□□	35	70	112	31.4	53.2	106	135
MXA4-10- 7□□□	40	95	70	36.4	78.2	64	120
MXA4-10-11□□□	40	95	110	36.4	78.2	104	175
MXA4-10-14□□□	40	95	140	36.4	78.2	134	220
MXA4-13- 9□□□	35	130	90	31	113.2	84	180
MXA4-13-14□□□	35	130	140	31	113.2	134	265
MXA4-13-20□□□	35	130	200	31	113.2	194	370

Serie MX Designgehäuse mit ABS Frontplatte

Series MX mobile enclosure with ABS plastic panel



- 12 verschiedene Farbkombinationen und 30 unterschiedliche Größen verfügbar.
- Hergestellt aus Aluminium-Strangpressprofilen und ABS Kunststoff Frontplatten mit einer Vertiefung für Folien.
- Integrierte Führungsnuten ermöglichen eine einfache Montage der Leiterplatten.
- MXA1-5 Gehäuse hat keine integrierten Führungsnuten.

- 12 different color combinations and 30 different sizes available to choose from.
- Frame is made from extruded aluminium material, while the panel is ABS plastic.
- Grooves are built into the internal enclosure, allowing for easy sliding/ insertion of pcb boards.
- MX1-5 models do not have internal grooves.

Schrauben - screws
MX1-5, 2-4, 2-10 models : M2.6-10 x 4 pcs
MX2-7, 2-8, 3-11 models : M3-12 x 4 pcs
MX4-7, 4-10, 4-13 models : M3-14 x 4 pcs

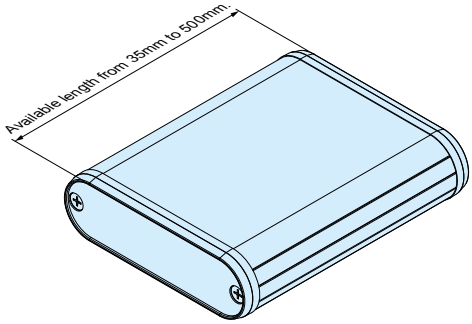
Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Profil	2	extrodiertes Aluminium A6063S-T5	silber / schwarz
2	Deckelplatte	2	ABS UL94HB	grau • schwarz / unlackiert navy • limette • orange • rot / lackiert
3	selbstformende Schraube	4	Stahl	vernickelt • schwarz verchromt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Frame	2	Extruded aluminium A6063S-T5	silver / black
2	Panel	2	ABS UL94HB	gray • black / unpainted navy • lime • orange • red / painted
3	Self tapping screw	4	Steel	nickel plated • black trivalent chromate

Sonderlängen möglich in 1mm Schritten. - Custom length available in 1mm intervals.



Farbvarianten Bitte wählen Sie die Farbkombination aus der Tabelle unten

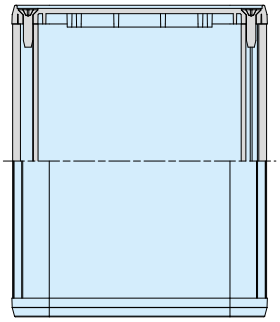
※schwarz • grau Deckelplatten / unlackiert andere Deckelplatten / lackiert

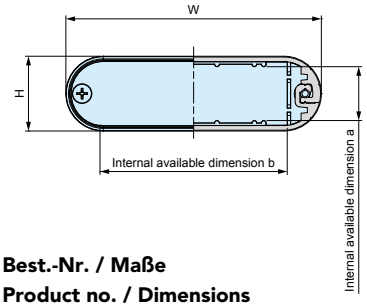
Color Type Please choose from the color combinations listed below

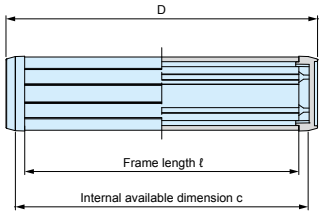
※black • gray panels / unpainted other panels / painted

BB schwarz / schwarz BB black / black	BG schwarz / grau BG black / gray	BN schwarz / navy BN black / navy	BL schwarz / limette BL black / lime	BO schwarz / orange BO black / orange	BR schwarz / rot BR black / red
SB silber / schwarz SB silver / black	SG silber / grau SG silver / gray	SN silber / navy SN silver / navy	SL silber / limette SL silver / lime	SO silber / orange SO silver / orange	SR silber / rot SR silver / red

MX dimensions







Schraubenantrieb - Screw Type

P	H
Plus head	Hexalobular head

Bei Anfragen / Bestellungen bitte die Artikelbezeichnung wie folgt angeben.

MX 1 – 5 – 6 □ □ □

Farbcode Color code **Schraube Screw P or H**

Please request / order by indicating the combination part number as below.

Zubehör (optional erhältlich)

Accessories (Optional parts)

Silikonband
Serie SIB

Silicone band
SIB series

Best.-Nr. / Maße
Product no. / Dimensions

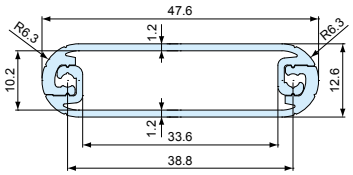
■ Bitte vervollständigen Sie die Bestell-Nr. mit dem Farcode.

■ Please suffix color and screw code at the end of the product number.

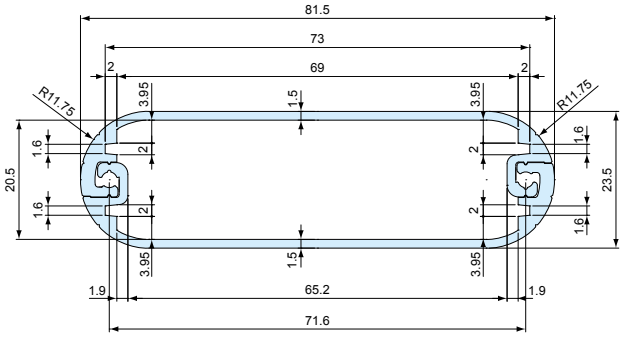
Best.-Nr. - Product no.	H	W	D	a	b	c	ℓ	Weight (g)
MX1- 5- 6□□□	13	48	55	6.9	33.6	49.6	43	25
MX1- 5- 9□□□	13	48	85	6.9	33.6	79.6	73	40
MX1- 5-12□□□	13	48	115	6.9	33.6	109.6	103	55
MX2- 4- 5□□□	15	41	50	8.9	26.6	44.6	38	20
MX2- 4- 8□□□	15	41	80	8.9	26.6	74.6	68	35
MX2- 4-11□□□	15	41	110	8.9	26.6	104.6	98	50
MX2- 6- 5□□□	18	57	50	12.3	42.5	45	40	35
MX2- 6- 8□□□	18	57	75	12.3	42.5	70	65	50
MX2- 6-10□□□	18	57	100	12.3	42.5	95	90	70
MX2- 7- 6□□□	20	70	60	13.2	53.2	54.6	48	50
MX2- 7- 9□□□	20	70	90	13.2	53.2	84.6	78	80
MX2- 7-12□□□	20	70	120	13.2	53.2	114.6	108	105
MX2- 8- 7□□□	24	82	70	17.2	65.2	64.6	58	75
MX2- 8-10□□□	24	82	100	17.2	65.2	94.6	88	105
MX2- 8-13□□□	24	82	130	17.2	65.2	124.6	118	140
MX2-10- 8□□□	16	100	80	9.9	85.6	74.6	68	70
MX2-10-11□□□	16	100	110	9.9	85.6	104.6	98	95
MX2-10-15□□□	16	100	150	9.9	85.6	144.6	138	130
MX3-11- 8□□□	30	110	80	23.3	93.2	74.6	66	110
MX3-11-12□□□	30	110	120	23.3	93.2	114.6	106	165
MX3-11-17□□□	30	110	170	23.3	93.2	164.6	156	235
MX4- 7- 6□□□	35	70	60	28.2	53.2	53	46	65
MX4- 7- 9□□□	35	70	90	28.2	53.2	83	76	100
MX4- 7-12□□□	35	70	120	28.2	53.2	113	106	130
MX4-10- 8□□□	40	95	80	33.1	78.2	73	64	115
MX4-10-12□□□	40	95	120	33.1	78.2	113	104	175
MX4-10-15□□□	40	95	150	33.1	78.2	143	134	215
MX4-13-10□□□	35	130	100	27.7	113.2	94.4	84	175
MX4-13-15□□□	35	130	150	27.7	113.2	144.4	134	265
MX4-13-21□□□	35	130	210	27.7	113.2	204.4	194	375

MXB/MXA/MX1-5-□

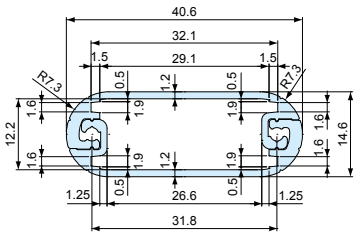
■ No internal grooves



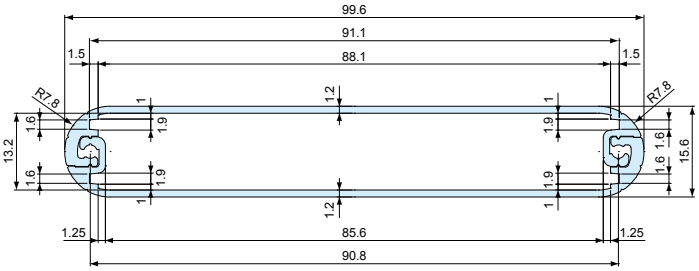
MXF/MXB/MXA/MX2-8-□



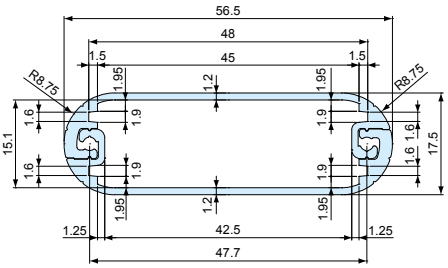
MXB/MXA/MX2-4-□



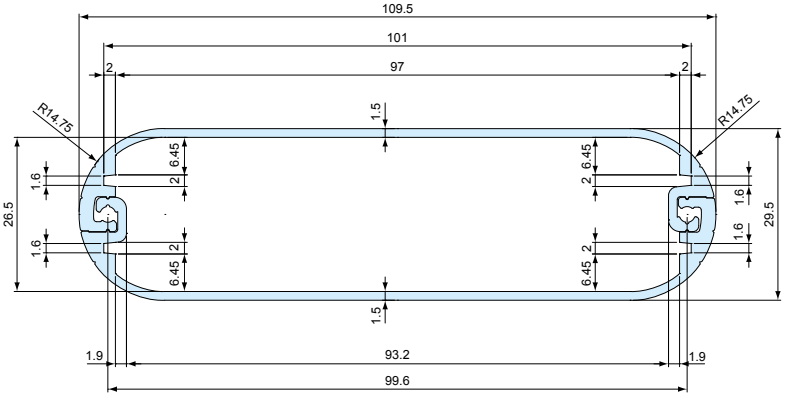
MXB/MXA/MX2-10-□



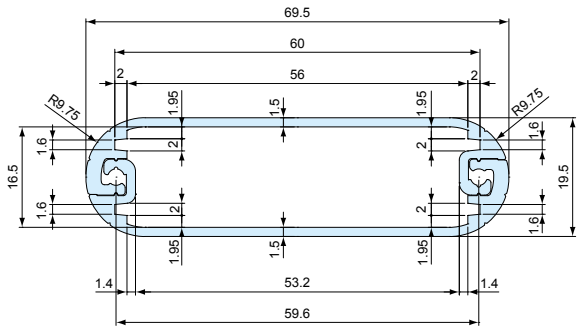
MXF/MXB/MXA/MX2-6-□



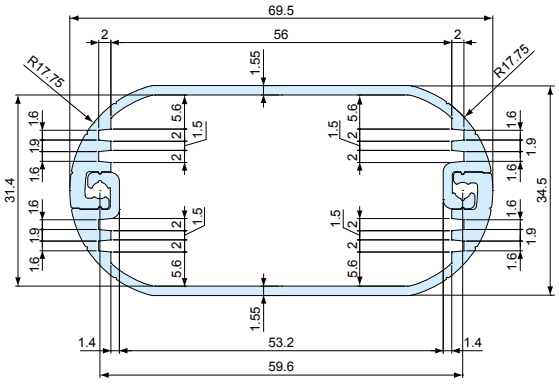
MXF/MXB/MXA/MX3-11-□



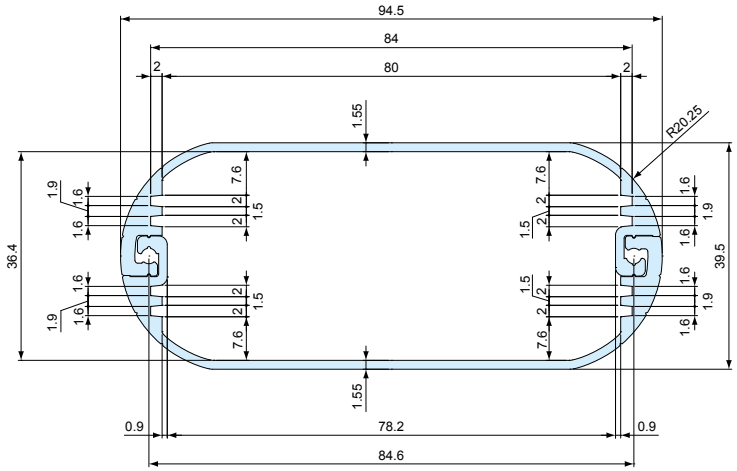
MXB/MXA/MX2-7-□



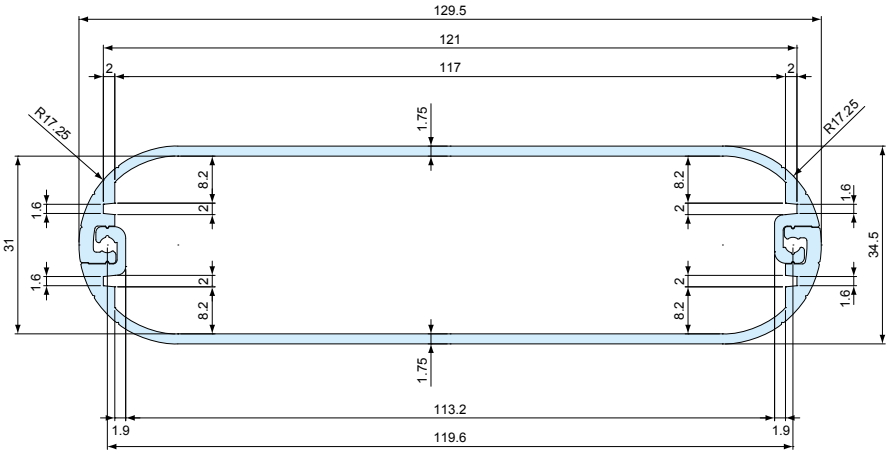
MXB/MXA/MX4-7-□



MXB/MXA/MX4-10-□



MXF/MXB/MXA/MX4-13-□



Serie SIB Silikonband (optional erhältlich)

Series SIB silicone band (optional parts)

Anwendungsbeispiel - Application example

- Silikonband entwickelt für die Serien MXA und MX.
- Silikonband schützt vor Beschädigungen und ist rutschfest.
- Elastisches Silikonband ist auch für ähnliche Gehäuse einsetzbar.

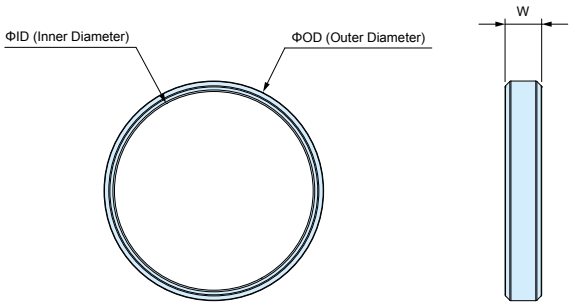
- Silicone band designed to fit MXA & MX series.
- Silicone band provides both shock resistance and non-slip grips for the MXA & MX enclosure.
- Elastic silicone band may also fit other similarly sized enclosures.

Farbvarianten - Color Type

Code	R rot	R orange	Y gelb	G grün	C cyan	N navy	L lichtgrau	B schwarz
Code	R red	R orange	Y yellow	G green	C cyan	N navy	L light gray	B black
Farbe - Color								

Serie SIB Maße

Series SIB dimensions



Einzelteile

Bezeichnung	Stück	Material	Farbe
Silkonband	Paar (2 Stück)	Silikon	rot • orange • gelb • grün • cyan • navy • lichtgrau • schwarz

Components

Part name	Pcs	Material	Color
Silicone band	Pair (2 pcs)	Silicone	red • orange • yellow • green • cyan • navy • light gray • black

Best.-Nr. / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestell-Nr. mit dem Farcode.
- Please suffix color code at the end of the product number.

Product no.	W	ID	OD	Suitable enclosures	Enclosure circumference (mm)	Weight (g)
NEW SIB-21□	6	21	25	MXA/MX1-5-□ • 2-4-□ • 2-6-□	95□135	2
NEW SIB-38□	7	38	42	MXA/MX2-7-□ • 2-8-□ • 4-7-□	160□190	4
NEW SIB-58□	8	58	63	MXA/MX2-10-□ • 3-11-□ • 4-10-□	215□255	10
NEW SIB-72□	10	72	77	MXA/MX4-13-□	280□320	14

Notizen / Notice

Serie EXP
Aluminiumgehäuse mit Schutzecken

NEW SIZE

EXP Series
Aluminium panel case with corner guard

- Die Schutzecken haben ein schönes Design und dienen als Fallschutz.
- Verfügbar in 67 verschiedenen Standardgrößen und Farbkombinationen.
- Sondergrößen realisierbar.

- Corner guards are designed to be both aesthetically pleasing, and impact resistant.
- Available in 67 different sizes and 16 different color combinations.
- Custom length is available.

Best-Nr. / Maße

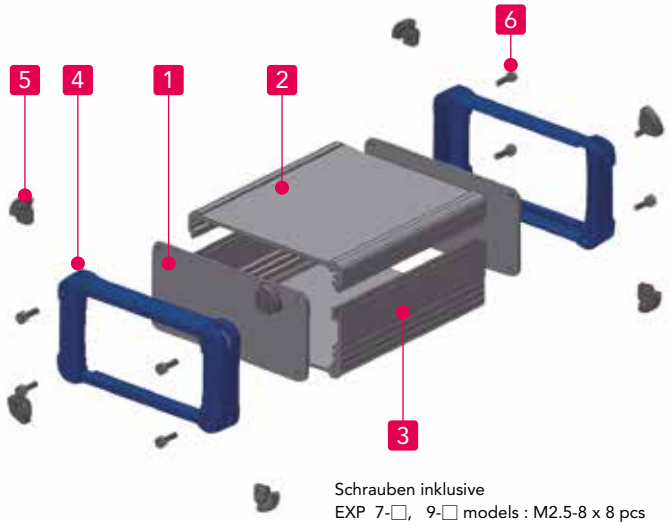
Nr.	Best-Nr.	Stück	Material	Farbe / Oberfläche
1	Frontplatten	2	Aluminium A1100 t=1.5	silber • schwarz / eloxiert
2	Oberschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
3	Unterschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
4	Rahmen	2	Polycarbonat-ABS UL94V-0	schwarz • grau / unlackiert indigo • navy • limette • gelb • orange • rot / lackiert
5	Schutzecke	8	Silikon	schwarz • dunkelgrau
6	Schraube	8	Edelstahl	unbehandelt

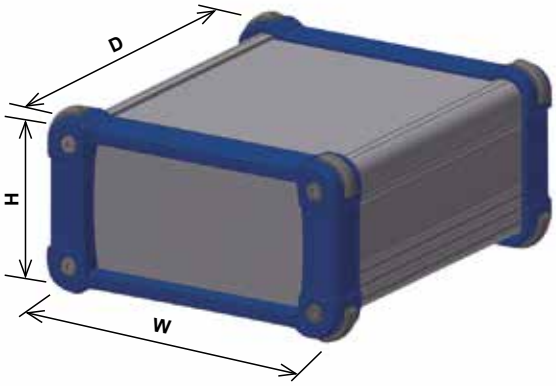
Product no. / Dimensions

No.	Product no.	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1100 t=1.5	Silver • Black / Anodized
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
4	Exterior frame	2	Polycarbonate-ABS UL94V-0	Black • Gray / Unpainted Indigo • Navy • Lime • Yellow • Orange • Red / Painted
5	Corner guard	8	Silicone	Black • Dark gray
6	Screw	8	Stainless steel	Unfinished

Farbvarianten - Color Types

Farbcode Color code	SB silber / schwarz SB Silver / Black	SG silber / grau SG Silver / Gray	SI silber / indigo SI Silver / Indigo	SN silber / navy SN Silver / Navy
Farbe Color				
Farbcode Color code	SL silber / limette SL Silver / Lime	SY silber / gelb SY Silver / Yellow	SO silber / orange SO Silver / Orange	SR silber / rot SR Silver / Red
Farbe Color				
Farbcode Color code	BB schwarz / schwarz BB Black / Black	BG schwarz / grau BG Black / Gray	BI schwarz / indigo BI Black / Indigo	BN schwarz / navy BN Black / Navy
Farbe Color				
Farbcode Color code	BL schwarz / limette BL Black / Lime	BY schwarz / gelb BY Black / Yellow	BO schwarz / orange BO Black / Orange	BR schwarz / rot BR Black / Red
Farbe Color				





Schrauben inklusive
EXP 7-□, 9-□ models : M2.5-8 x 8 pcs
EXP12-□, 15-□ models : M3-10 x 8 pcs
EXP20-□ models : M4-12 x 8 pcs
EXP24-□ models : M5-12 x 8 pcs
※Sechskantschlüssel inbegriffen.

Included screws
EXP 7-□, 9-□ models : M2.5-8 x 8 pcs
EXP12-□, 15-□ models : M3-10 x 8 pcs
EXP20-□ models : M4-12 x 8 pcs
EXP24-□ models : M5-12 x 8 pcs
※Hexagonal wrench included.

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	Maße - Dimensions (External)			Maße - Dimensions (Internal)		
	W	H	D	a	b	c
EXP 7- 3- 6□□	69	34	60	47	19.6	46
EXP 7- 3- 9□□	69	34	87	47	19.6	73
EXP 7- 3-11□□	69	34	110	47	19.6	96
EXP 7- 4- 6□□	69	44	60	47	29,6	46
EXP 7- 4- 9□□	69	44	87	47	29,6	73
EXP 7- 4-11□□	69	44	110	47	29,6	96
EXP 7- 6- 6□□	69	59	60	47	44.6	46
EXP 7- 6- 9□□	69	59	87	47	44.6	73
EXP 7- 6-11□□	69	59	110	47	44.6	96
EXP 9- 4- 7□□	89	39	70	67	24.6	56
EXP 9- 4-10□□	89	39	100	67	24.6	86
EXP 9- 4-13□□	89	39	130	67	24.6	116
EXP 9- 5- 7□□	89	49	70	67	34.6	56
EXP 9- 5-10□□	89	49	100	67	34.6	86
EXP 9- 5-13□□	89	49	130	67	34.6	116
EXP 9- 6- 7□□	89	64	70	67	49.6	56
EXP 9- 6-10□□	89	64	100	67	49.6	86
EXP 9- 6-13□□	89	64	130	67	49.6	116
EXP12- 4- 9□□	116	41	90	89	24	74
EXP12- 4-13□□	116	41	130	89	24	114
EXP12- 4-18□□	116	41	176	89	24	160
EXP12- 6- 9□□	116	56	90	89	39	74
EXP12- 6-13□□	116	56	130	89	39	114
EXP12- 6-18□□	116	56	176	89	39	160
EXP12- 7- 9□□	116	71	90	89	54	74
EXP12- 7-13□□	116	71	130	89	54	114
EXP12- 7-18□□	116	71	176	89	54	160
EXP15- 5-11□□	151	46	110	107.4	29	93
EXP15- 5-15□□	151	46	150	107.4	29	133
EXP15- 5-20□□	151	46	200	107.4	29	183
EXP15- 6-11□□	151	61	110	107.4	44	93
EXP15- 6-15□□	151	61	150	107.4	44	133
EXP15- 6-20□□	151	61	200	107.4	44	183
EXP15- 8-11□□	151	81	110	107.4	64	93
EXP15- 8-15□□	151	81	150	107.4	64	133
EXP15- 8-20□□	151	81	200	107.4	64	183
EXP15-10-11□□	151	101	110	107.4	84	93
EXP15-10-15□□	151	101	150	107.4	84	133
EXP15-10-20□□	151	101	200	107.4	84	183

Best-Nr. Product no.	Maße - Dimensions (External)			Maße - Dimensions (Internal)		
	W	H	D	a	b	c
NEW EXP20- 6-14□□	199	56	140	132	35	120
NEW EXP20- 6-19□□	199	56	192	132	35	172
NEW EXP20- 6-25□□	199	56	245	132	35	225
NEW EXP20- 6-30□□	199	56	300	132	35	280
NEW EXP20- 7-14□□	199	74	140	132	53	120
NEW EXP20- 7-19□□	199	74	192	132	53	172
NEW EXP20- 7-25□□	199	74	245	132	53	225
NEW EXP20- 7-30□□	199	74	300	132	53	280
NEW EXP20- 9-14□□	199	94	140	132	73	120
NEW EXP20- 9-19□□	199	94	192	132	73	172
NEW EXP20- 9-25□□	199	94	245	132	73	225
NEW EXP20- 9-30□□	199	94	300	132	73	280
NEW EXP20-12-14□□	199	119	140	132	98	120
NEW EXP20-12-19□□	199	119	192	132	98	172
NEW EXP20-12-25□□	199	119	245	132	98	225
NEW EXP20-12-30□□	199	119	300	132	98	280
NEW EXP24- 6-17□□	244	64	170	177	43	147
NEW EXP24- 6-23□□	244	64	230	177	43	207
NEW EXP24- 6-29□□	244	64	290	177	43	267
NEW EXP24- 6-35□□	244	64	350	177	43	327
NEW EXP24- 9-17□□	244	89	170	177	68	147
NEW EXP24- 9-23□□	244	89	230	177	68	207
NEW EXP24- 9-29□□	244	89	290	177	68	267
NEW EXP24- 9-35□□	244	89	350	177	68	327
NEW EXP24-11-17□□	244	114	170	177	93	147
NEW EXP24-11-23□□	244	114	230	177	93	207
NEW EXP24-11-29□□	244	114	290	177	93	267
NEW EXP24-11-35□□	244	114	350	177	93	327

Zubehör (optional erhältlich)
Accessories (optional parts)

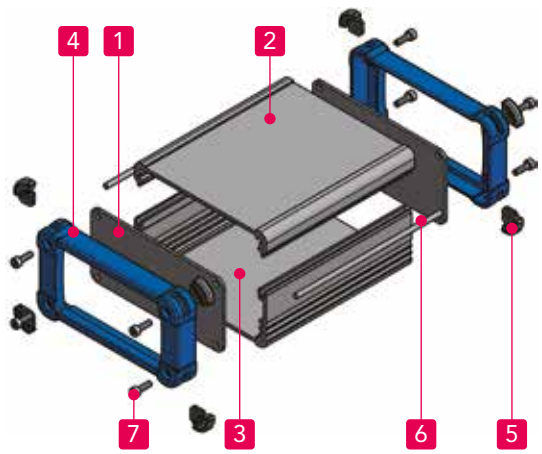
Aufstellfuß - Tilt leg TLW series

Technische Daten	Technical Data
Schutzklasse: IP40	Protection class: IP40

EMC Shielding Effects

Serie EXPE
EMV-geschütztes Aluminiumgehäuse mit Schutzecken

EXPE Series
Aluminium EMC shield case with corner guard



- EMV – Schutz wird erreicht durch unbehandelte, leitfähige Oberflächen auf der Innenseite der Profile und leitfähige Dichtungen.
- Die Schutzecken haben ein schönes Design und dienen als Fallschutz.
- Verfügbar in 67 verschiedenen Standardgrößen und 8 unterschiedlichen Farbkombinationen.

- EMC shielding is achieved by having the unfinished inner sides of the top/ bottom covers and fabric-over-foam gaskets in contact with one another.
- Corner guards are designed to be both aesthetically pleasing, and strong against impact.
- Available in 67 different sizes and 8 different color combinations.

Schrauben inklusive
EXPE 7-□, 9-□ models : M2.5-8 x 8 pcs
EXPE12-□, 15-□ models : M3-10 x 8 pcs
EXPE20-□ models : M4-12 x 8 pcs
EXPE24-□ models : M5-12 x 8 pcs
※Sechskantschlüssel inbegriffen.

Included screws
EXPE 7-□, 9-□ models : M2.5-8 x 8 pcs
EXPE12-□, 15-□ models : M3-10 x 8 pcs
EXPE20-□ models : M4-12 x 8 pcs
EXPE24-□ models : M5-12 x 8 pcs
※Hexagonal wrench included.

Komponenten

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatten	2	Aluminium A1100 t=1.5	silber (außen) : unbehandelt (innen)
2	Oberschale	1	Aluminiumprofil A6063S-T5	silber (außen) : unbehandelt (innen)
3	Unterschale	1	Aluminiumprofil A6063S-T5	silber (außen) : unbehandelt (innen)
4	Rahmen	2	Polycarbonat-ABS UL94V-0	schwarz • grau / unlackiert indigo • navy • limette • gelb • orange • rot / lackiert
5	Schutzecke	8	Silikon	schwarz • dunkelgrau
6	Leitfähige Schaumstoffdichtung	2	leitfähige TPE Dichtung	metallisch grau
7	Schraube	8	Edelstahl	unbehandelt

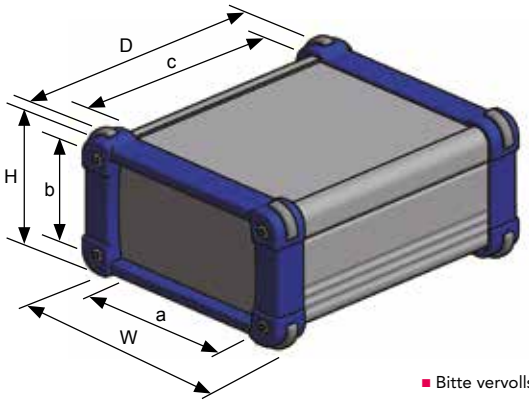
Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1100 t=1.5	Silver / Anodized (outside) : Unfinished (inside)
2	Top cover	1	Extruded aluminium A6063S-T5	Silver / Painted (outside) : Unfinished (inside)
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver / Painted (outside) : Unfinished (inside)
4	Exterior frame	2	Polycarbonate-ABS UL94V-0	Black • Gray / Unpainted Indigo • Navy • Lime • Yellow • Orange • Red / Painted
5	Corner guard	8	Silicone	Black • Dark gray
6	Fabric-over-foam gasket	2	Conductive fabric : TPE	Metallic gray
7	Screw	8	Stainless steel	Unfinished

Farbvarianten
Color Types

Schwarze und graue Rahmen sind ohne Farbzusatz; alle anderen Rahmen werden lackiert.
Black and gray exterior frames are unpainted; other colored exterior frames are painted.

Farbcode Color code	SB silber / schwarz SB Silver / Black	SG silber / grau SG Silver / Gray	SI silber / indigo SI Silver / Indigo	SN silber / navy SN Silver / Navy
Farbe Color				
Farbcode Color code	**SL silber / limette SL Silver / Lime**	**SY silber / gelb SY Silver / Yellow**	**SO silber / orange SO Silver / Orange**	**SR silber / rot SR Silver / Red**
Farbe Color				



Best-Nr. / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
- Please suffix color code at the end of the product number.

Best-Nr. Product no.	Maße - Dimensions (External)			Maße - Dimensions (Internal)		
	W	H	D	a	b	c
EXPE 7- 3- 6□□	69	34	60	47	19.6	46
EXPE 7- 3- 9□□	69	34	87	47	19.6	73
EXPE 7- 3-11□□	69	34	110	47	19.6	96
EXPE 7- 4- 6□□	69	44	60	47	29,6	46
EXPE 7- 4- 9□□	69	44	87	47	29,6	73
EXPE 7- 4-11□□	69	44	110	47	29,6	96
EXPE 7- 6- 6□□	69	59	60	47	44.6	46
EXPE 7- 6- 9□□	69	59	87	47	44.6	73
EXPE 7- 6-11□□	69	59	110	47	44.6	96
EXPE 9- 4- 7□□	89	39	70	67	24.6	56
EXPE 9- 4-10□□	89	39	100	67	24.6	86
EXPE 9- 4-13□□	89	39	130	67	24.6	116
EXPE 9- 5- 7□□	89	49	70	67	34.6	56
EXPE 9- 5-10□□	89	49	100	67	34.6	86
EXPE 9- 5-13□□	89	49	130	67	34.6	116
EXPE 9- 6- 7□□	89	64	70	67	49.6	56
EXPE 9- 6-10□□	89	64	100	67	49.6	86
EXPE 9- 6-13□□	89	64	130	67	49.6	116
EXPE12- 4- 9□□	116	41	90	89	24	74
EXPE12- 4-13□□	116	41	130	89	24	114
EXPE12- 4-18□□	116	41	176	89	24	160
EXPE12- 6- 9□□	116	56	90	89	39	74
EXPE12- 6-13□□	116	56	130	89	39	114
EXPE12- 6-18□□	116	56	176	89	39	160
EXPE12- 7- 9□□	116	71	90	89	54	74
EXPE12- 7-13□□	116	71	130	89	54	114
EXPE12- 7-18□□	116	71	176	89	54	160
EXPE15- 5-11□□	151	46	110	107.4	29	93
EXPE15- 5-15□□	151	46	150	107.4	29	133
EXPE15- 5-20□□	151	46	200	107.4	29	183
EXPE15- 6-11□□	151	61	110	107.4	44	93
EXPE15- 6-15□□	151	61	150	107.4	44	133
EXPE15- 6-20□□	151	61	200	107.4	44	183
EXPE15- 8-11□□	151	81	110	107.4	64	93
EXPE15- 8-15□□	151	81	150	107.4	64	133
EXPE15- 8-20□□	151	81	200	107.4	64	183
EXPE15-10-11□□	151	101	110	107.4	84	93
EXPE15-10-15□□	151	101	150	107.4	84	133
EXPE15-10-20□□	151	101	200	107.4	84	183

Best-Nr. Product no.	Maße - Dimensions (External)			Maße - Dimensions (Internal)		
	W	H	D	a	b	c
NEW EXPE20- 6-14□□	199	56	140	132	35	120
NEW EXPE20- 6-19□□	199	56	192	132	35	172
NEW EXPE20- 6-25□□	199	56	245	132	35	225
NEW EXPE20- 6-30□□	199	56	300	132	35	280
NEW EXPE20- 7-14□□	199	74	140	132	53	120
NEW EXPE20- 7-19□□	199	74	192	132	53	172
NEW EXPE20- 7-25□□	199	74	245	132	53	225
NEW EXPE20- 7-30□□	199	74	300	132	53	280
NEW EXPE20- 9-14□□	199	94	140	132	73	120
NEW EXPE20- 9-19□□	199	94	192	132	73	172
NEW EXPE20- 9-25□□	199	94	245	132	73	225
NEW EXPE20- 9-30□□	199	94	300	132	73	280
NEW EXPE20-12-14□□	199	119	140	132	98	120
NEW EXPE20-12-19□□	199	119	192	132	98	172
NEW EXPE20-12-25□□	199	119	245	132	98	225
NEW EXPE20-12-30□□	199	119	300	132	98	280
NEW EXPE24- 6-17□□	244	64	170	177	43	147
NEW EXPE24- 6-23□□	244	64	230	177	43	207
NEW EXPE24- 6-29□□	244	64	290	177	43	267
NEW EXPE24- 6-35□□	244	64	350	177	43	327
NEW EXPE24- 9-17□□	244	89	170	177	68	147
NEW EXPE24- 9-23□□	244	89	230	177	68	207
NEW EXPE24- 9-29□□	244	89	290	177	68	267
NEW EXPE24- 9-35□□	244	89	350	177	68	327
NEW EXPE24-11-17□□	244	114	170	177	93	147
NEW EXPE24-11-23□□	244	114	230	177	93	207
NEW EXPE24-11-29□□	244	114	290	177	93	267
NEW EXPE24-11-35□□	244	114	350	177	93	327

Installation der EMV-Dichtung
How to install a shield gasket

- Legen Sie die Dichtung in die Nut der Profilunterseite.
- Insert fabric-over-foam gasket into the joint-grooves on the bottom cover.

- Beachten Sie bitte, dass auf beiden Seiten die Dichtung etwas übersteht, damit ein Kontakt zu den Frontplatten hergestellt werden kann.
- Ensure that a small portion of the fabric-over-foam gasket protrudes out in order to maintain a connection with the end panels.

Folgende Größen sind zur Aufnahme von Mini-ITX Board geeignet.

Following models are suitable for placement of a Mini-ITX board.

EXPE20-7-19□□

EXPE20-9-19□□

EXPE20-12-19□□

Technische Daten
Schutzklasse : IP65

Included screw
EXW7-□, 9-□ models : M2.5-8 x 8 pcs
EXW12-□, 15-□ models : M3-10 x 8 pcs
※Hexagonal wrench included.

Technical Data
Protection class : IP65

Serie EXW IP65
Aluminium Gehäuse mit Schutzecken

Series EXW IP65
Aluminium Case with Corner Guard

- Die Schutzklasse IP65 wird erreicht durch Dichtungen zwischen den Profilnuten und Frontplatten.
- Verfügbar in 39 verschiedenen Standardgrößen und 6 unterschiedlichen Farbkombinationen.
- Sonderlängen möglich.

- IP65 is made possible by the sealing of between top & bottom covers and end panels with gaskets.
- Available in 39 different sizes and 6 different color combinations by 2 body frame and 3 end panel colors.
- Custom length is available.

Komponenten

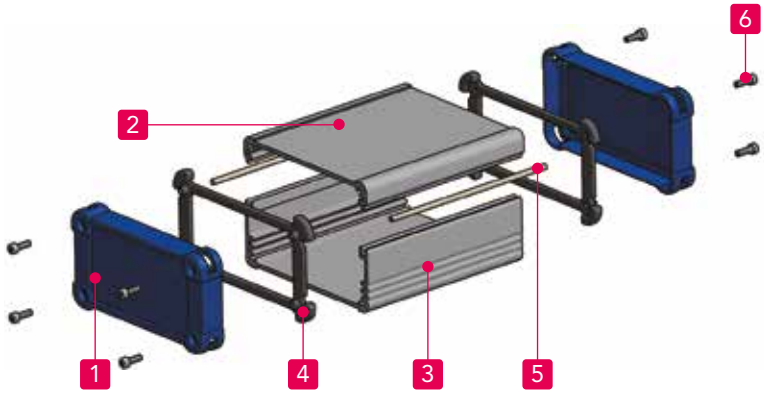
Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatten	2	PC+ABS UL94V-0	schwarz • grau / unlackiert navy / lackiert
2	Oberschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
3	Unterschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
4	Frontplattendichtung	2	Silikon	schwarz • dunkelgrau
5	Profildichtung	2	Silikon	hellgrau
6	Schraube	8	Edelstahl	unbehandelt

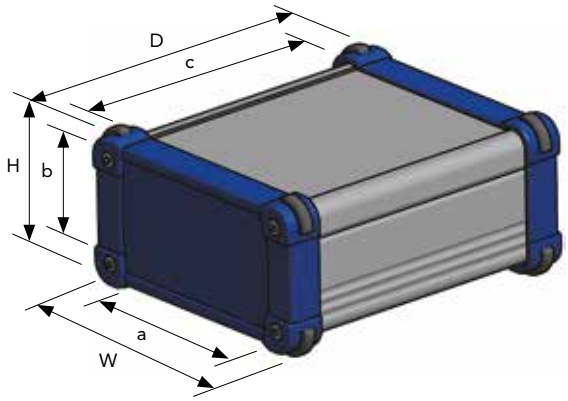
Components

No.	Part name	Pcs	Material	Color / Finish
1	End panel	2	PC+ABS UL94V-0	Black • Gray / Unpainted Navy / Painted
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
4	Panel gasket	2	Silicone	Black • Dark gray
5	Cover gasket	2	Silicone	White gray
6	Screw	8	Stainless Steel	Unfinished

Farbcode - Color Type

Code	SB silber / schwarz - silver / black	SG silber / grau - silver / gray	SN silber / navy - silver / navy
Farbe Color			
Code	**BB schwarz / schwarz - black / black**	**BG schwarz / grau - black / gray**	**BN schwarz / navy - black / navy**
Farbe Color			





Best-Nr. / Maße
Product no. / Dimensions

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

Best-Nr. Product no.	Maße (außen) - External dimensions			Maße (innen) - Internal dimensions		
	W	H	D	a	b	c
EXW 7- 3- 6☐☐	69	34	58	47	20	46
EXW 7- 3- 9☐☐	69	34	85	47	20	73
EXW 7- 3-11☐☐	69	34	108	47	20	96
EXW 7- 4- 6☐☐	69	44	58	47	30	46
EXW 7- 4- 9☐☐	69	44	85	47	30	73
EXW 7- 4-11☐☐	69	44	108	47	30	96
EXW 7- 6- 6☐☐	69	59	58	47	45	46
EXW 7- 6- 9☐☐	69	59	85	47	45	73
EXW 7- 6-11☐☐	69	59	108	47	45	96
EXW 9- 4- 7☐☐	89	39	69	67	25	56
EXW 9- 4-10☐☐	89	39	99	67	25	86
EXW 9- 4-13☐☐	89	39	129	67	25	116
EXW 9- 5- 7☐☐	89	49	69	67	35	56
EXW 9- 5-10☐☐	89	49	99	67	35	86
EXW 9- 5-13☐☐	89	49	129	67	35	116
EXW 9- 6- 7☐☐	89	64	69	67	50	56
EXW 9- 6-10☐☐	89	64	99	67	50	86
EXW 9- 6-13☐☐	89	64	129	67	50	116
EXW12- 4- 9☐☐	116	41	88	89	24	74
EXW12- 4-13☐☐	116	41	128	89	24	114
EXW12- 4-18☐☐	116	41	174	89	24	160
EXW12- 6- 9☐☐	116	56	88	89	39	74
EXW12- 6-13☐☐	116	56	128	89	39	114
EXW12- 6-18☐☐	116	56	174	89	39	160
EXW12- 7- 9☐☐	116	71	88	89	54	74
EXW12- 7-13☐☐	116	71	128	89	54	114
EXW12- 7-18☐☐	116	71	174	89	54	160
EXW15- 5-11☐☐	151	46	107	107	29	93
EXW15- 5-15☐☐	151	46	147	107	29	133
EXW15- 5-20☐☐	151	46	197	107	29	183
EXW15- 6-11☐☐	151	61	107	107	44	93
EXW15- 6-15☐☐	151	61	147	107	44	133
EXW15- 6-20☐☐	151	61	197	107	44	183
EXW15- 8-11☐☐	151	81	107	107	64	93
EXW15- 8-15☐☐	151	81	147	107	64	133
EXW15- 8-20☐☐	151	81	197	107	64	183
EXW15-10-11☐☐	151	101	107	107	84	93
EXW15-10-15☐☐	151	101	147	107	84	133
EXW15-10-20☐☐	151	101	197	107	84	183

■ Sonderlängen möglich. ■ Custom length is available.

■ Legen Sie die Dichtung in die offene Nut der Profilunterseite.
■ Insert cover gaskets into the joint-grooves on the bottom cover.

■ Beachten Sie bitte, dass auf beiden Seiten die Dichtung, damit ein Kontakt zu den Frontplatten hergestellt werden kann.

■ Ensure that a small portion of the cover gasket protrudes out in order to maintain a seal with the panel gasket.

Included screws
EXPF 7-□, 9-□ models : M2.5-8 x 8 pcs
EXPF11-□, 15-□ models : M3-10 x 8 pcs
EXPF20-□ models : M4-12 x 8 pcs
EXPF24-□ models : M5-12 x 8 pcs
※Hexagonal wrench included.

Serie EXPF
Aluminiumgehäuse mit Befestigungsflansch

NEW

Series EXPF
Flanged Aluminium Panel Case

- Deckel mit Befestigungsflansch für Wandmontage.
- Verfügbar in 67 verschiedenen Standardgrößen und 6 unterschiedlichen Farbkombinationen.
- Sonderlängen möglich.

- Equipped with flanged frame for easy wall mounting.
- Available in 67 different sizes and 6 different color combinations.
- Custom length is available.

Komponenten

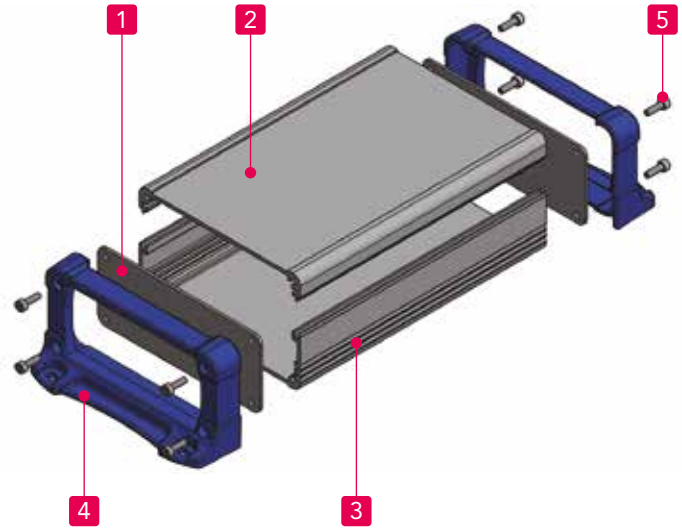
Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatten	2	Aluminium A1100P	silber • schwarz / eloxiert
2	Oberschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
3	Unterschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
4	Frontplattenrahmen mit Befestigungsflansch	2	PC+ABS UL94V-0	schwarz • grau / ohne Farbzusatz navy / lackiert
5	Schraube	8	Edelstahl	unbehandelt

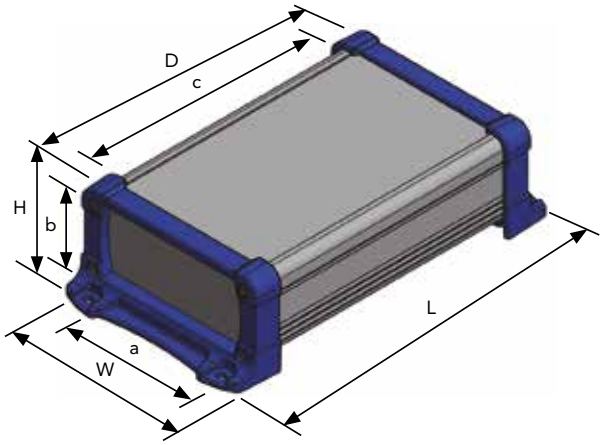
Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1100P	Silver • Black / Anodized
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
4	Flanged frame	2	PC+ABS UL94V-0	Black • Gray / Unpainted Navy / Painted
5	Screw	8	Stainless steel	Unfinished

Farbcode - Color Type

Code	SB silber / schwarz - silver / black	SG silber / grau - silver / gray	SN silber / navy - silver / navy
Farbe Color			
Code	**BB schwarz / schwarz - black / black**	**BG schwarz / grau - black / gray**	**BN schwarz / navy - black / navy**
Farbe Color			





Best-Nr. / Maße
Product no. / Dimensions

- Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
- Please suffix color code at the end of the product number.

Best-Nr. Product no.	Maße (extern) Dimensions (External)				Maße (intern) Dimensions (Internal)		
	W	H	D	L	a	b	c
NEW EXPF 7- 3- 6□□	66	34	60	84	47	19.6	46
NEW EXPF 7- 3- 9□□	66	34	87	111	47	19.6	73
NEW EXPF 7- 3-11□□	66	34	110	134	47	19.6	96
NEW EXPF 7- 4- 6□□	66	44	60	84	47	29,6	46
NEW EXPF 7- 4- 9□□	66	44	87	111	47	29,6	73
NEW EXPF 7- 4-11□□	66	44	110	134	47	29,6	96
NEW EXPF 7- 6- 6□□	66	59	60	84	47	44.6	46
NEW EXPF 7- 6- 9□□	66	59	87	111	47	44.6	73
NEW EXPF 7- 6-11□□	66	59	110	134	47	44.6	96
NEW EXPF 9- 4- 7□□	86	39	70	95.8	67	24.6	56
NEW EXPF 9- 4-10□□	86	39	100	125.8	67	24.6	86
NEW EXPF 9- 4-13□□	86	39	130	155.8	67	24.6	116
NEW EXPF 9- 5- 7□□	86	49	70	95.8	67	34.6	56
NEW EXPF 9- 5-10□□	86	49	100	125.8	67	34.6	86
NEW EXPF 9- 5-13□□	86	49	130	155.8	67	34.6	116
NEW EXPF 9- 6- 7□□	86	64	70	95.8	67	49.6	56
NEW EXPF 9- 6-10□□	86	64	100	125.8	67	49.6	86
NEW EXPF 9- 6-13□□	86	64	130	155.8	67	49.6	116
NEW EXPF11- 4- 9□□	113	41.5	90	121.8	89	24	74
NEW EXPF11- 4-13□□	113	41.5	130	161.8	89	24	114
NEW EXPF11- 4-18□□	113	41.5	176	207.8	89	24	160
NEW EXPF11- 6- 9□□	113	56.5	90	121.8	89	39	74
NEW EXPF11- 6-13□□	113	56.5	130	161.8	89	39	114
NEW EXPF11- 6-18□□	113	56.5	176	207.8	89	39	160
NEW EXPF11- 7- 9□□	113	71.5	90	121.8	89	54	74
NEW EXPF11- 7-13□□	113	71.5	130	161.8	89	54	114
NEW EXPF11- 7-18□□	113	71.5	176	207.8	89	54	160
NEW EXPF15- 5-11□□	148	47	110	149.2	107.4	29	93
NEW EXPF15- 5-15□□	148	47	150	189.2	107.4	29	133
NEW EXPF15- 5-20□□	148	47	200	239.2	107.4	29	183
NEW EXPF15- 6-11□□	148	62	110	149.2	107.4	44	93
NEW EXPF15- 6-15□□	148	62	150	189.2	107.4	44	133
NEW EXPF15- 6-20□□	148	62	200	239.2	107.4	44	183
NEW EXPF15- 8-11□□	148	82	110	149.2	107.4	64	93
NEW EXPF15- 8-15□□	148	82	150	189.2	107.4	64	133
NEW EXPF15- 8-20□□	148	82	200	239.2	107.4	64	183
NEW EXPF15-10-11□□	148	102	110	149.2	107.4	84	93
NEW EXPF15-10-15□□	148	102	150	189.2	107.4	84	133
NEW EXPF15-10-20□□	148	102	200	239.2	107.4	84	183

Best-Nr. Product no.	Maße (extern) Dimensions (External)				Maße (intern) Dimensions (Internal)		
	W	H	D	L	a	b	c
NEW EXPF20- 6-14□□	195	57	140	188.6	132	35	120
NEW EXPF20- 6-19□□	195	57	192	240.6	132	35	172
NEW EXPF20- 6-25□□	195	57	245	293.6	132	35	225
NEW EXPF20- 6-30□□	195	57	300	348.6	132	35	280
NEW EXPF20- 8-14□□	195	75	140	188.6	132	53	120
NEW EXPF20- 8-19□□	195	75	192	240.6	132	53	172
NEW EXPF20- 8-25□□	195	75	245	293.6	132	53	225
NEW EXPF20- 8-30□□	195	75	300	348.6	132	53	280
NEW EXPF20-10-14□□	195	95	140	188.6	132	73	120
NEW EXPF20-10-19□□	195	95	192	240.6	132	73	172
NEW EXPF20-10-25□□	195	95	245	293.6	132	73	225
NEW EXPF20-10-30□□	195	95	300	348.6	132	73	280
NEW EXPF20-12-14□□	195	120	140	188.6	132	98	120
NEW EXPF20-12-19□□	195	120	192	240.6	132	98	172
NEW EXPF20-12-25□□	195	120	245	293.6	132	98	225
NEW EXPF20-12-30□□	195	120	300	348.6	132	98	280
NEW EXPF24- 7-17□□	240	65	170	218.6	177	43	147
NEW EXPF24- 7-23□□	240	65	230	278.6	177	43	207
NEW EXPF24- 7-29□□	240	65	290	338.6	177	43	267
NEW EXPF24- 7-35□□	240	65	350	398.6	177	43	327
NEW EXPF24- 9-17□□	240	90	170	218.6	177	68	147
NEW EXPF24- 9-23□□	240	90	230	278.6	177	68	207
NEW EXPF24- 9-29□□	240	90	290	338.6	177	68	267
NEW EXPF24- 9-35□□	240	90	350	398.6	177	68	327
NEW EXPF24-12-17□□	240	115	170	218.6	177	93	147
NEW EXPF24-12-23□□	240	115	230	278.6	177	93	207
NEW EXPF24-12-29□□	240	115	290	338.6	177	93	267
NEW EXPF24-12-35□□	240	115	350	398.6	177	93	327

Folgende Versionen zur Aufnahme von Mini-ITX geeignet.
EXPF20-8-19□□
EXPF20-10-19□□
EXPF20-12-19□□

Following models are suitable for placement of a Mini-ITX board.
EXPF20-8-19□□
EXPF20-10-19□□
EXPF20-12-19□□

EMC Shielding Effects

Included screws
EXEF 7-□, 9-□ models : M2.5-8 x 8 pcs
EXEF11-□, 15-□ models : M3-10 x 8 pcs
EXEF20-□ models : M4-12 x 8 pcs
EXEF24-□ models : M5-12 x 8 pcs
※Hexagonal wrench included.

Serie EXEF EMV
Aluminiumgehäuse mit Befestigungsflansch

NEW

Series EXEF
Flanged Aluminium EMC Shield Case

- EMV Schutz wird erreicht durch unbehandelte Innenflächen der Profile, Frontplatten und leitfähigen Dichtungen.
- Deckel mit Befestigungsflansch für Wandmontage.
- Verfügbar in 67 verschiedenen Standardgrößen und 3 unterschiedlichen Farbkombinationen.

- EMC shielding is achieved by having the unfinished inner sides of the top/bottom covers and panels, as well as the fabric-over-foam gasket in contact with one another.
- Equipped with flanged frame for easy wall mounting.
- Available in 67 different sizes and 3 different color combinations.

Komponenten

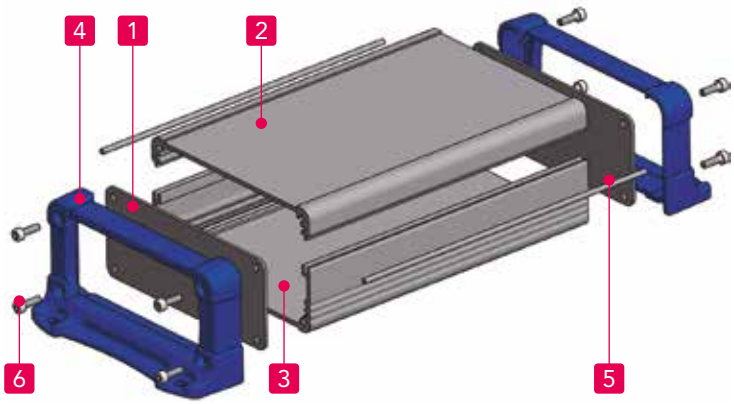
Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatten	2	Aluminium A1100P	silber / lackiert (außen) • unbehandelt (innen)
2	Oberschale	1	Aluminiumprofil A6063S-T5	silber / lackiert (außen) • unbehandelt (innen)
3	Unterschale	1	Aluminiumprofil A6063S-T5	silber / lackiert (außen) • unbehandelt (innen)
4	Frontplattenrahmen mit Befestigungsflansch	2	PC+ABS UL94V-0	schwarz • grau / unlackiert navy / lackiert
5	leitfähige Dichtung	2	leitfähig : TPE	metallisch grau
6	Schraube	8	Edelstahl	unbehandelt

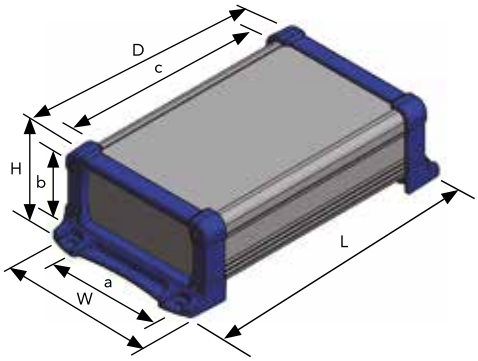
Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1100P	Silver / Painted (outside) • Unfinished (inside)
2	Top cover	1	Extruded aluminium A6063S-T5	Silver / Painted (outside) • Unfinished (inside)
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver / Painted (outside) • Unfinished (inside)
4	Flanged frame	2	PC+ABS UL94V-0	Black • Gray / Unpainted Navy / Painted
5	Fabric-over-foam gasket	2	Conductive fabric : TPE	Metallic gray
6	Screw	8	Stainless steel	Unfinished

Farbcode - Color Type

Code	SB silber / schwarz - silver / black	SG silber / grau - silver / gray	SN silber / navy - silver / navy
Farbe Color			





■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.

■ Please suffix color code at the end of the product number.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	Maße - Dimensions (External)				Dimensions (Internal)		
	W	H	D	L	a	b	c
NEW EXEF 7- 3- 6□□	66	34	60	84	47	19.6	46
NEW EXEF 7- 3- 9□□	66	34	87	111	47	19.6	73
NEW EXEF 7- 3-11□□	66	34	110	134	47	19.6	96
NEW EXEF 7- 4- 6□□	66	44	60	84	47	29,6	46
NEW EXEF 7- 4- 9□□	66	44	87	111	47	29,6	73
NEW EXEF 7- 4-11□□	66	44	110	134	47	29,6	96
NEW EXEF 7- 6- 6□□	66	59	60	84	47	44.6	46
NEW EXEF 7- 6- 9□□	66	59	87	111	47	44.6	73
NEW EXEF 7- 6-11□□	66	59	110	134	47	44.6	96
NEW EXEF 9- 4- 7□□	86	39	70	95.8	67	24.6	56
NEW EXEF 9- 4-10□□	86	39	100	125.8	67	24.6	86
NEW EXEF 9- 4-13□□	86	39	130	155.8	67	24.6	116
NEW EXEF 9- 5- 7□□	86	49	70	95.8	67	34.6	56
NEW EXEF 9- 5-10□□	86	49	100	125.8	67	34.6	86
NEW EXEF 9- 5-13□□	86	49	130	155.8	67	34.6	116
NEW EXEF 9- 6- 7□□	86	64	70	95.8	67	49.6	56
NEW EXEF 9- 6-10□□	86	64	100	125.8	67	49.6	86
NEW EXEF 9- 6-13□□	86	64	130	155.8	67	49.6	116
NEW EXEF11- 4- 9□□	113	41.5	90	121.8	89	24	74
NEW EXEF11- 4-13□□	113	41.5	130	161.8	89	24	114
NEW EXEF11- 4-18□□	113	41.5	176	207.8	89	24	160
NEW EXEF11- 6- 9□□	113	56.5	90	121.8	89	39	74
NEW EXEF11- 6-13□□	113	56.5	130	161.8	89	39	114
NEW EXEF11- 6-18□□	113	56.5	176	207.8	89	39	160
NEW EXEF11- 7- 9□□	113	71.5	90	121.8	89	54	74
NEW EXEF11- 7-13□□	113	71.5	130	161.8	89	54	114
NEW EXEF11- 7-18□□	113	71.5	176	207.8	89	54	160
NEW EXEF15- 5-11□□	148	47	110	149.2	107.4	29	93
NEW EXEF15- 5-15□□	148	47	150	189.2	107.4	29	133
NEW EXEF15- 5-20□□	148	47	200	239.2	107.4	29	183
NEW EXEF15- 6-11□□	148	62	110	149.2	107.4	44	93
NEW EXEF15- 6-15□□	148	62	150	189.2	107.4	44	133
NEW EXEF15- 6-20□□	148	62	200	239.2	107.4	44	183
NEW EXEF15- 8-11□□	148	82	110	149.2	107.4	64	93
NEW EXEF15- 8-15□□	148	82	150	189.2	107.4	64	133
NEW EXEF15- 8-20□□	148	82	200	239.2	107.4	64	183
NEW EXEF15-10-11□□	148	102	110	149.2	107.4	84	93
NEW EXEF15-10-15□□	148	102	150	189.2	107.4	84	133
NEW EXEF15-10-20□□	148	102	200	239.2	107.4	84	183

Best-Nr. Product no.	Maße - Dimensions (External)				Dimensions (Internal)		
	W	H	D	L	a	b	c
NEW EXEF20- 6-14□□	195	57	140	188.6	132	35	120
NEW EXEF20- 6-19□□	195	57	192	240.6	132	35	172
NEW EXEF20- 6-25□□	195	57	245	293.6	132	35	225
NEW EXEF20- 6-30□□	195	57	300	348.6	132	35	280
NEW EXEF20- 8-14□□	195	75	140	188.6	132	53	120
NEW EXEF20- 8-19□□	195	75	192	240.6	132	53	172
NEW EXEF20- 8-25□□	195	75	245	293.6	132	53	225
NEW EXEF20- 8-30□□	195	75	300	348.6	132	53	280
NEW EXEF20-10-14□□	195	95	140	188.6	132	73	120
NEW EXEF20-10-19□□	195	95	192	240.6	132	73	172
NEW EXEF20-10-25□□	195	95	245	293.6	132	73	225
NEW EXEF20-10-30□□	195	95	300	348.6	132	73	280
NEW EXEF20-12-14□□	195	120	140	188.6	132	98	120
NEW EXEF20-12-19□□	195	120	192	240.6	132	98	172
NEW EXEF20-12-25□□	195	120	245	293.6	132	98	225
NEW EXEF20-12-30□□	195	120	300	348.6	132	98	280
NEW EXEF24- 7-17□□	240	65	170	218.6	177	43	147
NEW EXEF24- 7-23□□	240	65	230	278.6	177	43	207
NEW EXEF24- 7-29□□	240	65	290	338.6	177	43	267
NEW EXEF24- 7-35□□	240	65	350	398.6	177	43	327
NEW EXEF24- 9-17□□	240	90	170	218.6	177	68	147
NEW EXEF24- 9-23□□	240	90	230	278.6	177	68	207
NEW EXEF24- 9-29□□	240	90	290	338.6	177	68	267
NEW EXEF24- 9-35□□	240	90	350	398.6	177	68	327
NEW EXEF24-12-17□□	240	115	170	218.6	177	93	147
NEW EXEF24-12-23□□	240	115	230	278.6	177	93	207
NEW EXEF24-12-29□□	240	115	290	338.6	177	93	267
NEW EXEF24-12-35□□	240	115	350	398.6	177	93	327

Folgende Versionen zur Aufnahme von Mini-ITX geeignet.
EXEF20-8-19□□
EXEF20-10-19□□
EXEF20-12-19□□

Following models are suitable for placement of a Mini-ITX board.
EXEF20-8-19□□
EXEF20-10-19□□
EXEF20-12-19□□

Installation der Dichtungen
How to install a shield gasket

■ Legen Sie die Dichtung in die offene Nut der Profilunterseite.

■ Insert fabric-over-foam gasket into the joint-grooves on the bottom cover.

■ Beachten Sie bitte, dass auf beiden Seiten die Dichtung, damit ein Kontakt zu den Frontplatten hergestellt werden kann.

■ Ensure that a small portion of the fabric-over-foam gasket protrudes out in order to maintain a connection with the end panel.

Technische Daten
Schutzklasse : IP65 • IP54 Schutzklasse variiert mit der Größe. ■Nicht geeignet für Umgebung mit direktem Regen

Technical Data
Protection class : IP65 • IP54 Protection class varies by size. ■Not suitable for environments with direct rainfall

Included screw
EXWF7-□, 9-□ models : M2.5-8 x 8 pcs
EXWF12-□, 15-□ models : M3-10 x 8 pcs
EXWF20-□ models : M4-12 x 8 pcs
EXWF24-□ models : M5-12 x 8 pcs
※Hexagonal wrench included.

Serie EXWF IP65
Aluminiumgehäuse mit Befestigungsflansch

NEW

Series EXWF IP65
Flanged Aluminium Case

- Wasserdichtes Gehäuse verfügbar in 67 verschiedenen Standardgrößen und 6 Farbkombinationen.
- Deckel mit Befestigungsflansch für Wandmontage.
- Sonderlängen möglich.

- Waterproof case available in 67 different sizes and 6 different color combinations by 2 body frame and 3 end panel colors.
- Flanged end panels make it easy for wall mounting. Suitable to be used as wall mounted controller and transmitter.
- Custom length is available.

Komponenten

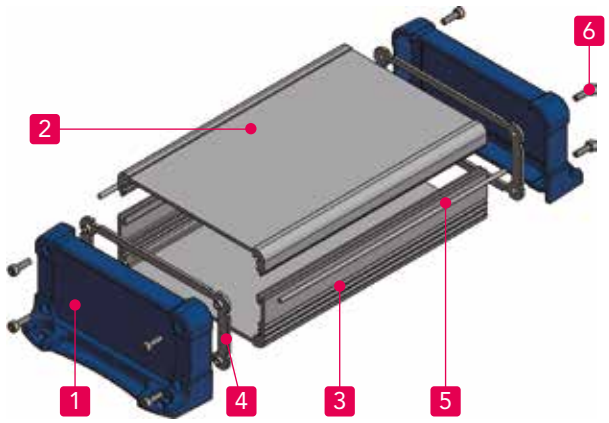
Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Deckel mit Befestigungsflansch	2	PC+ABS UL94V-0	schwarz • grau / unlackiert navy / lackiert
2	Oberschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
3	Unterschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
4	Frontplattendichtung	2	Silikon	schwarz
5	Profildichtung	2	Silikon	hellgrau
6	Schraube	8	Edelstahl	unbehandelt

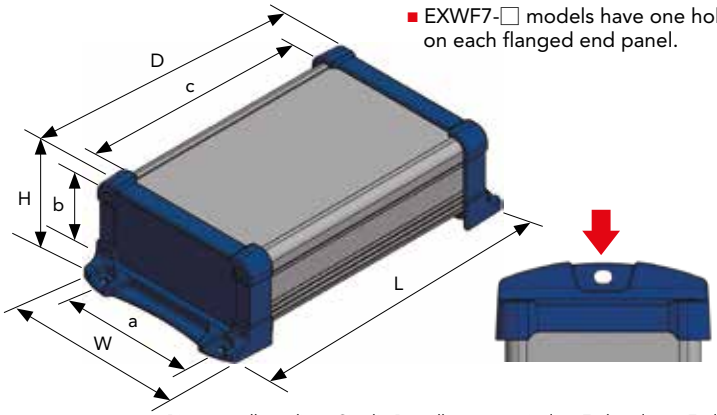
Components

No.	Part name	Pcs	Material	Color / Finish
1	Flanged end panel	2	PC+ABS UL94V-0	Black • Gray / Unpainted Navy / Painted
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
4	Panel gasket	2	Silicone	Black
5	Cover gasket	2	Silicone	White gray
6	Screw	8	Stainless Steel	Unfinished

Farbcode - Color Type

Code	SB silber / schwarz - silver / black	SG silber / grau - silver / gray	SN silber / navy - silver / navy
Farbe Color			
Code	**BB schwarz / schwarz - black / black**	**BG schwarz / grau - black / gray**	**BN schwarz / navy - black / navy**
Farbe Color			





■ EXWF7-□ models have one hole on each flanged end panel.

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.

■ Please suffix color code at the end of the product number.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	Protection class	External dimensions				Internal dimensions		
		W	H	D	L	a	b	c
NEW EXWF 7- 3- 6□□	IP65	66	34	58	82	47	20	46
NEW EXWF 7- 3- 9□□	IP65	66	34	85	109	47	20	73
NEW EXWF 7- 3-11□□	IP65	66	34	108	132	47	20	96
NEW EXWF 7- 4- 6□□	IP65	66	44	58	82	47	30	46
NEW EXWF 7- 4- 9□□	IP65	66	44	85	109	47	30	73
NEW EXWF 7- 4-11□□	IP65	66	44	108	132	47	30	96
NEW EXWF 7- 6- 6□□	IP65	66	59	58	82	47	45	46
NEW EXWF 7- 6- 9□□	IP65	66	59	85	109	47	45	73
NEW EXWF 7- 6-11□□	IP65	66	59	108	132	47	45	96
NEW EXWF 9- 4- 7□□	IP65	86	39	69	94.8	67	25	56
NEW EXWF 9- 4-10□□	IP65	86	39	99	124.8	67	25	86
NEW EXWF 9- 4-13□□	IP65	86	39	129	154.8	67	25	116
NEW EXWF 9- 5- 7□□	IP65	86	49	69	94.8	67	35	56
NEW EXWF 9- 5-10□□	IP65	86	49	99	124.8	67	35	86
NEW EXWF 9- 5-13□□	IP65	86	49	129	154.8	67	35	116
NEW EXWF 9- 6- 7□□	IP65	86	64	69	94.8	67	50	56
NEW EXWF 9- 6-10□□	IP65	86	64	99	124.8	67	50	86
NEW EXWF 9- 6-13□□	IP65	86	64	129	154.8	67	50	116
NEW EXWF11- 4- 9□□	IP65	113	41.5	88	119.8	89	24	74
NEW EXWF11- 4-13□□	IP65	113	41.5	128	159.8	89	24	114
NEW EXWF11- 4-17□□	IP65	113	41.5	174	205.8	89	24	160
NEW EXWF11- 6- 9□□	IP65	113	56.5	88	119.8	89	39	74
NEW EXWF11- 6-13□□	IP65	113	56.5	128	159.8	89	39	114
NEW EXWF11- 6-17□□	IP65	113	56.5	174	205.8	89	39	160
NEW EXWF11- 7- 9□□	IP65	113	71.5	88	119.8	89	54	74
NEW EXWF11- 7-13□□	IP65	113	71.5	128	159.8	89	54	114
NEW EXWF11- 7-17□□	IP65	113	71.5	174	205.8	89	54	160
NEW EXWF15- 5-11□□	IP65	148	47	107	146.2	107	29	93
NEW EXWF15- 5-15□□	IP65	148	47	147	186.2	107	29	133
NEW EXWF15- 5-20□□	IP65	148	47	197	236.2	107	29	183
NEW EXWF15- 6-11□□	IP65	148	62	107	146.2	107	44	93
NEW EXWF15- 6-15□□	IP65	148	62	147	186.2	107	44	133
NEW EXWF15- 6-20□□	IP65	148	62	197	236.2	107	44	183
NEW EXWF15- 8-11□□	IP65	148	82	107	146.2	107	64	93
NEW EXWF15- 8-15□□	IP65	148	82	147	186.2	107	64	133
NEW EXWF15- 8-20□□	IP65	148	82	197	236.2	107	64	183
NEW EXWF15-10-11□□	IP65	148	102	107	146.2	107	84	93
NEW EXWF15-10-15□□	IP65	148	102	147	186.2	107	84	133
NEW EXWF15-10-20□□	IP65	148	102	197	236.2	107	84	183

Best-Nr. Product no.	Protection class	External dimensions				Internal dimensions		
		W	H	D	L	a	b	c
NEW EXWF20- 6-14□□	IP54	195	57	138	186.6	132	35	120
NEW EXWF20- 6-19□□	IP54	195	57	190	238.6	132	35	172
NEW EXWF20- 6-25□□	IP54	195	57	243	291.6	132	35	225
NEW EXWF20- 6-30□□	IP54	195	57	298	346.6	132	35	280
NEW EXWF20- 8-14□□	IP54	195	75	138	186.6	132	53	120
NEW EXWF20- 8-19□□	IP54	195	75	190	238.6	132	53	172
NEW EXWF20- 8-25□□	IP54	195	75	243	291.6	132	53	225
NEW EXWF20- 8-30□□	IP54	195	75	298	346.6	132	53	280
NEW EXWF20-10-14□□	IP54	195	95	138	186.6	132	73	120
NEW EXWF20-10-19□□	IP54	195	95	190	238.6	132	73	172
NEW EXWF20-10-25□□	IP54	195	95	243	291.6	132	73	225
NEW EXWF20-10-30□□	IP54	195	95	298	346.6	132	73	280
NEW EXWF20-12-14□□	IP54	195	120	138	186.6	132	98	120
NEW EXWF20-12-19□□	IP54	195	120	190	238.6	132	98	172
NEW EXWF20-12-25□□	IP54	195	120	243	291.6	132	98	225
NEW EXWF20-12-30□□	IP54	195	120	298	346.6	132	98	280
NEW EXWF24- 7-14□□	IP54	240	65	165	213.6	177	43	147
NEW EXWF24- 7-19□□	IP54	240	65	225	273.6	177	43	207
NEW EXWF24- 7-25□□	IP54	240	65	285	333.6	177	43	267
NEW EXWF24- 7-35□□	IP54	240	65	345	393.6	177	43	327
NEW EXWF24- 9-14□□	IP54	240	90	165	213.6	177	68	147
NEW EXWF24- 9-19□□	IP54	240	90	225	273.6	177	68	207
NEW EXWF24- 9-25□□	IP54	240	90	285	333.6	177	68	267
NEW EXWF24- 9-35□□	IP54	240	90	345	393.6	177	68	327
NEW EXWF24-12-14□□	IP54	240	115	165	213.6	177	93	147
NEW EXWF24-12-19□□	IP54	240	115	225	273.6	177	93	207
NEW EXWF24-12-25□□	IP54	240	115	285	333.6	177	93	267
NEW EXWF24-12-35□□	IP54	240	115	345	393.6	177	93	327

■ Beachten Sie bitte, dass auf beiden Seiten die Dichtung, damit ein Kontakt zu den Frontplatten hergestellt werden kann.

■ Ensure that a small portion of the cover gasket protrudes out in order to maintain a seal with the panel gasket.

Installation der Dichtungen
How to install cover gasket

■ Legen Sie die Dichtung in die offene Nut der Profilunterseite.

■ Insert cover gaskets into the joint-grooves on the bottom cover.

Technische Daten
Schutzklasse: IP40

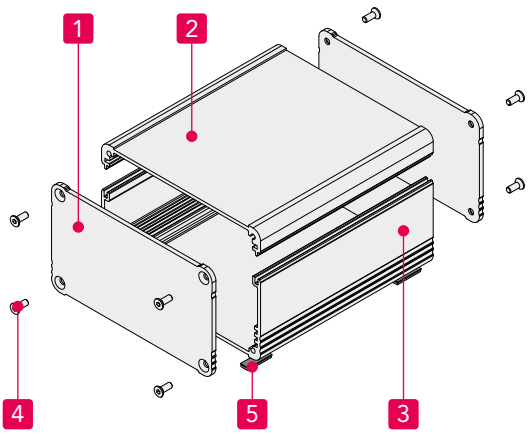
Technical Data
Protection class: IP40

Serie EX
Aluminium-Profilgehäuse

NEW

EX Series
Extruded aluminium case

- Aluminiumgehäuse aus extrudierten Profilen mit schönem Design.
- Verfügbar in 4 Farbkombinationen.
- Edle Oberflächenbeschaffenheit mit angefasten Deckelplatten.
- Geeignet für industrielle Produkte und Audio Anwendungen.



- Simple yet beautifully designed aluminium extrusion enclosure.
- Selectable in 4 different color combinations.
- Beautiful high-end finish is achieved by having a chamfered edge panel.
- Suitable for industrial and audio interface equipments.

Komponenten

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatten	2	Aluminium A1050P	silber • schwarz / eloxiert
2	Oberschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
3	Unterschale	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
4	Schraube	8	Edelstahl	unbehandelt
5	Gummifüße	4	Polyurethan	schwarz

Components

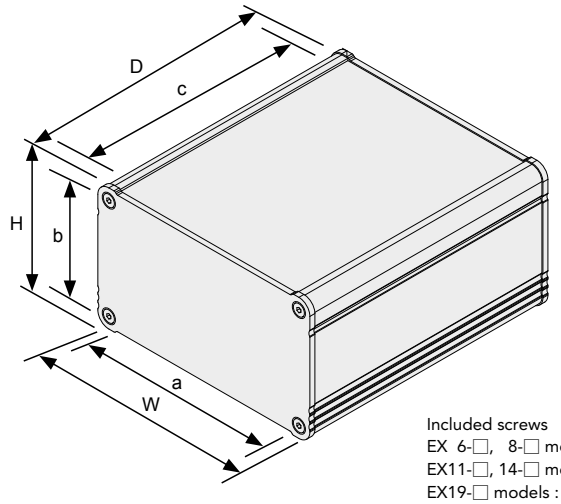
No.	Part name	Pcs	Material	Color / Finish
1	End panel	2	Aluminium A1050P	Silver • Black / Anodized
2	Top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Bottom cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
4	Screw	8	Stainless steel	Unfinished
5	Rubber feet	4	Polyurethane	Black

Farbvarianten - Color Types

Farbcode Color code	S S silber / silber S S Silver / Silver	S B silber / schwarz S B Silver / Black	B S schwarz / silber B S Black / Silver	B B schwarz / schwarz B B Black / Black
Farbe Color				

EX Zubehör (optional erhältlich)

(optional parts) EX Accessories



Schrauben inklusive
EX 6-□, 8-□ models : M2.5-8 x 8 pcs
EX11-□, 14-□ models : M3-8 x 8 pcs
EX19-□ models : M4-10 x 8 pcs
EX23-□ models : M5-10 x 8 pcs
※Sechskantschlüssel inbegriffen.

Included screws
EX 6-□, 8-□ models : M2.5-8 x 8 pcs
EX11-□, 14-□ models : M3-8 x 8 pcs
EX19-□ models : M4-10 x 8 pcs
EX23-□ models : M5-10 x 8 pcs
※Hexagonal wrench included.

Wall mounting bracket EF series

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

Bestellnummer / Maße - Product no. / Dimensions

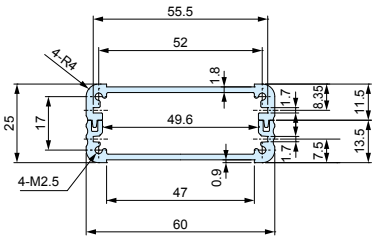
Best-Nr. Product no.	Maße - Dimensions (External)			Maße - Dimensions (Internal)		
	W	H	D	a	b	c
EX 6- 3- 5□□	60.6	25.6	50	47	19.6	46
EX 6- 3- 8□□	60.6	25.6	77	47	19.6	73
EX 6- 3-10□□	60.6	25.6	100	47	19.6	96
EX 6- 4- 5□□	60.6	35.6	50	47	29.6	46
EX 6- 4- 8□□	60.6	35.6	77	47	29.6	73
EX 6- 4-10□□	60.6	35.6	100	47	29.6	96
EX 6- 5- 5□□	60.6	50.6	50	47	44.6	46
EX 6- 5- 8□□	60.6	50.6	77	47	44.6	73
EX 6- 5-10□□	60.6	50.6	100	47	44.6	96
EX 8- 3- 6□□	80.6	30.6	60	67	24.6	56
EX 8- 3- 9□□	80.6	30.6	90	67	24.6	86
EX 8- 3-12□□	80.6	30.6	120	67	24.6	116
EX 8- 4- 6□□	80.6	40.6	60	67	34.6	56
EX 8- 4- 9□□	80.6	40.6	90	67	34.6	86
EX 8- 4-12□□	80.6	40.6	120	67	34.6	116
EX 8- 6- 6□□	80.6	55.6	60	67	49.6	56
EX 8- 6- 9□□	80.6	55.6	90	67	49.6	86
EX 8- 6-12□□	80.6	55.6	120	67	49.6	116
EX11- 3- 8□□	106	31	79	89	24	74
EX11- 3-12□□	106	31	119	89	24	114
EX11- 3-16□□	106	31	165	89	24	160
EX11- 5- 8□□	106	46	79	89	39	74
EX11- 5-12□□	106	46	119	89	39	114
EX11- 5-16□□	106	46	165	89	39	160
EX11- 6- 8□□	106	61	79	89	54	74
EX11- 6-12□□	106	61	119	89	54	114
EX11- 6-16□□	106	61	165	89	54	160
EX14- 4-10□□	141	36	98	107.4	29	93
EX14- 4-14□□	141	36	138	107.4	29	133
EX14- 4-19□□	141	36	188	107.4	29	183
EX14- 5-10□□	141	51	98	107.4	44	93
EX14- 5-14□□	141	51	138	107.4	44	133
EX14- 5-19□□	141	51	188	107.4	44	183
EX14- 7-10□□	141	71	98	107.4	64	93
EX14- 7-14□□	141	71	138	107.4	64	133
EX14- 7-19□□	141	71	188	107.4	64	183
EX14- 9-10□□	141	91	98	107.4	84	93
EX14- 9-14□□	141	91	138	107.4	84	133
EX14- 9-19□□	141	91	188	107.4	84	183

Best-Nr. Product no.	Maße - Dimensions (External)			Maße - Dimensions (Internal)		
	W	H	D	a	b	c
NEW EX19- 4-13□□	186.5	43.5	125	132	35	120
NEW EX19- 4-18□□	186.5	43.5	177	132	35	172
NEW EX19- 4-23□□	186.5	43.5	230	132	35	225
NEW EX19- 4-29□□	186.5	43.5	285	132	35	280
NEW EX19- 6-13□□	186.5	61.5	125	132	53	120
NEW EX19- 6-18□□	186.5	61.5	177	132	53	172
NEW EX19- 6-23□□	186.5	61.5	230	132	53	225
NEW EX19- 6-29□□	186.5	61.5	285	132	53	280
NEW EX19- 8-13□□	186.5	81.5	125	132	73	120
NEW EX19- 8-18□□	186.5	81.5	177	132	73	172
NEW EX19- 8-23□□	186.5	81.5	230	132	73	225
NEW EX19- 8-29□□	186.5	81.5	285	132	73	280
NEW EX19-11-13□□	186.5	106.5	125	132	98	120
NEW EX19-11-18□□	186.5	106.5	177	132	98	172
NEW EX19-11-23□□	186.5	106.5	230	132	98	225
NEW EX19-11-29□□	186.5	106.5	285	132	98	280
NEW EX23- 5-15□□	232	52	153	177	43	147
NEW EX23- 5-21□□	232	52	213	177	43	207
NEW EX23- 5-27□□	232	52	273	177	43	267
NEW EX23- 5-33□□	232	52	333	177	43	327
NEW EX23- 8-15□□	232	77	153	177	68	147
NEW EX23- 8-21□□	232	77	213	177	68	207
NEW EX23- 8-27□□	232	77	273	177	68	267
NEW EX23- 8-33□□	232	77	333	177	68	327
NEW EX23-10-15□□	232	102	153	177	93	147
NEW EX23-10-21□□	232	102	213	177	93	207
NEW EX23-10-27□□	232	102	273	177	93	267
NEW EX23-10-33□□	232	102	333	177	93	327

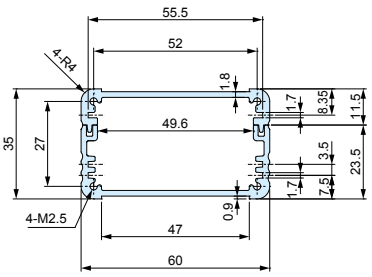
Profilübersicht Ober- und Unterschale
EXP - EXPE - EXPF - EXEF - EX

Cross-section View
EXP - EXPE - EXPF - EXEF - EX top / bottom covers

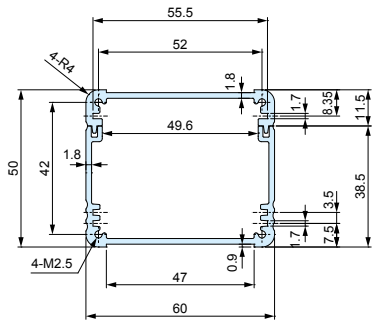
EXP • EXPE • EXPF • EXEF7-3-□
EX6-3-□



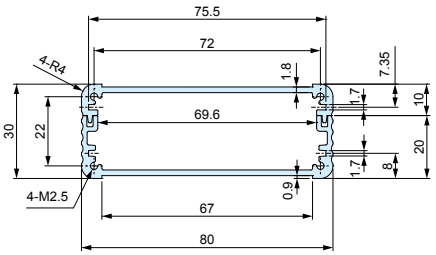
EXP • EXPE • EXPF • EXEF7-4-□
EX6-4-□



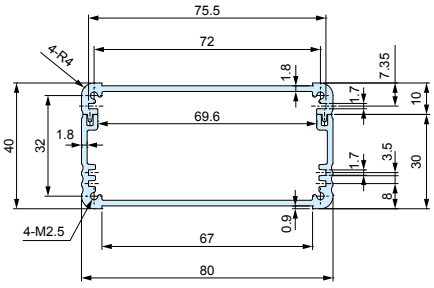
EXP • EXPE • EXPF • EXEF7-6-□
EX6-5-□



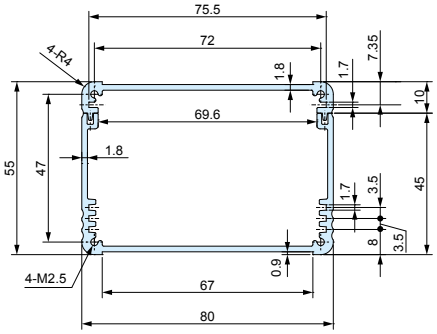
EXP • EXPE • EXPF • EXEF9-4-□
EX8-3-□



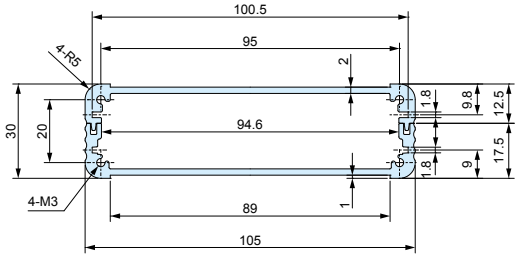
EXP • EXPE • EXPF • EXEF9-5-□
EX8-4-□



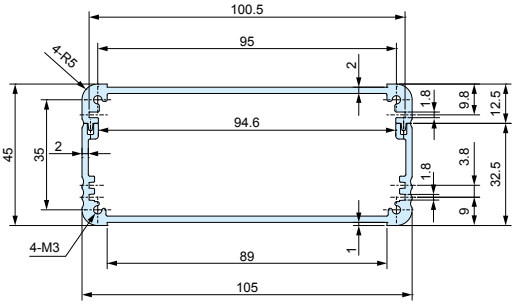
EXP • EXPE • EXPF • EXEF9-6-□
EX8-6-□



EXP • EXPE12-4-□
EXPF • EXEF11-4-□
EX11-3-□



EXP • EXPE12-6-□
EXPF • EXEF11-6-□
EX11-5-□



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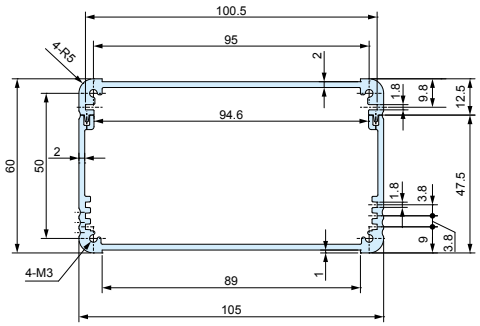
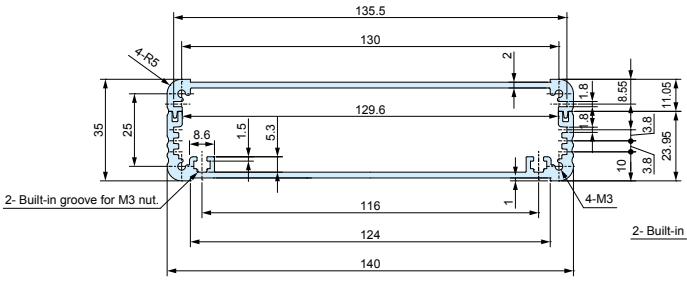
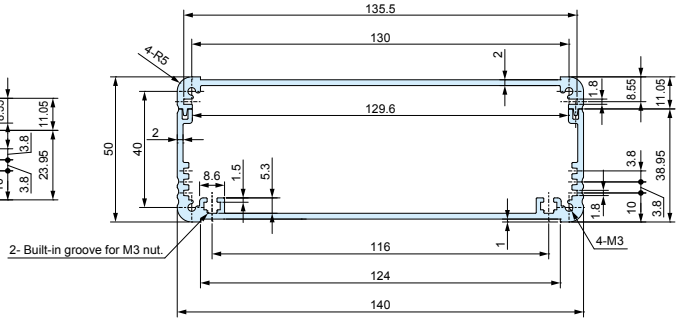
EXPF • EXEF11-7-☐
EX11-6-☐



EXP • EXPE • EXPF • EXEF15-5-☐
EX14-4-☐



EXP • EXPE • EXPF • EXEF15-6-☐
EX14-5-☐



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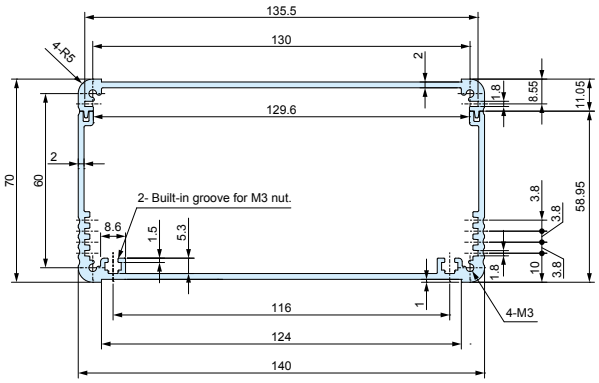
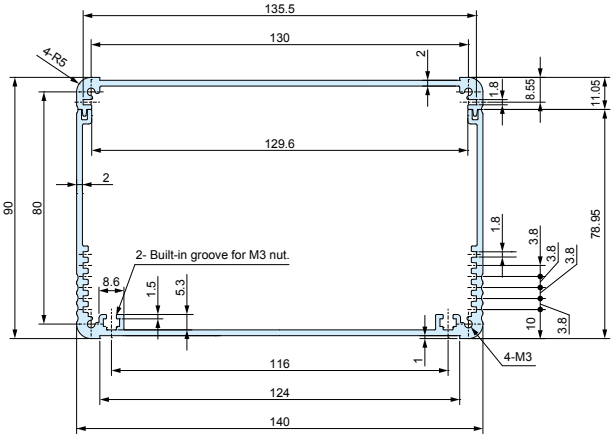
EX14-7-☐



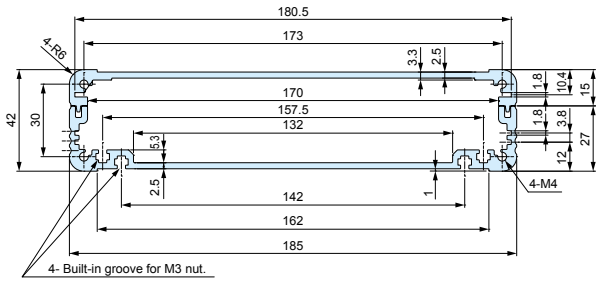
EXP • EXPE • EXPF • EXEF15-10-☐
EX14-9-☐



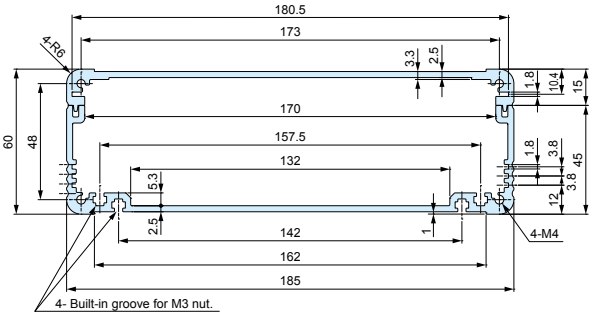
Profilübersicht Ober- und Unterschale
EXP - EXPE - EXPF - EXEF - EX

Cross-section View
EXP - EXPE - EXPF - EXEF - EX top / bottom covers

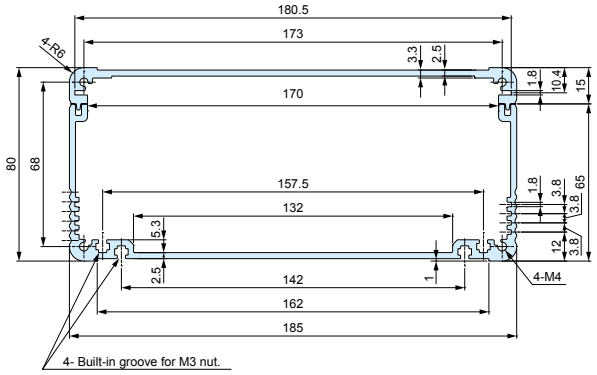
EXP • EXPE • EXPF • EXEF20-6-□
EX19-4-□



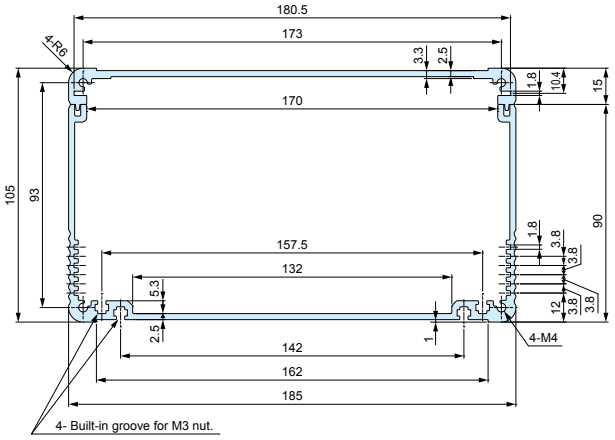
EXP • EXPE20-7-□
EXPF • EXEF20-8-□
EX19-6-□



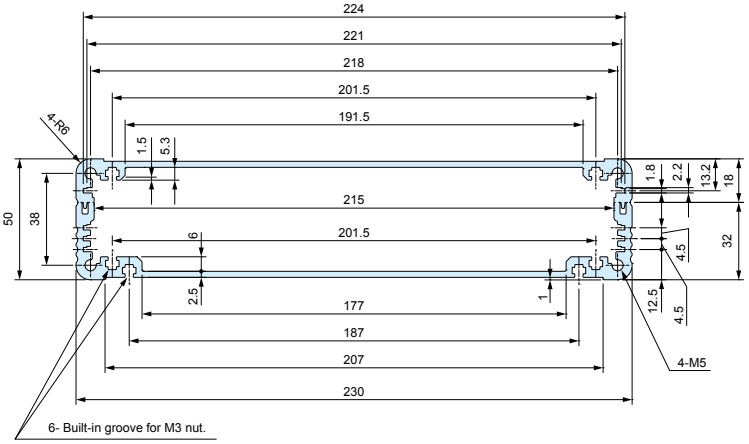
EXP • EXPE20-9-□
EXPF • EXEF20-10-□
EX19-8-□



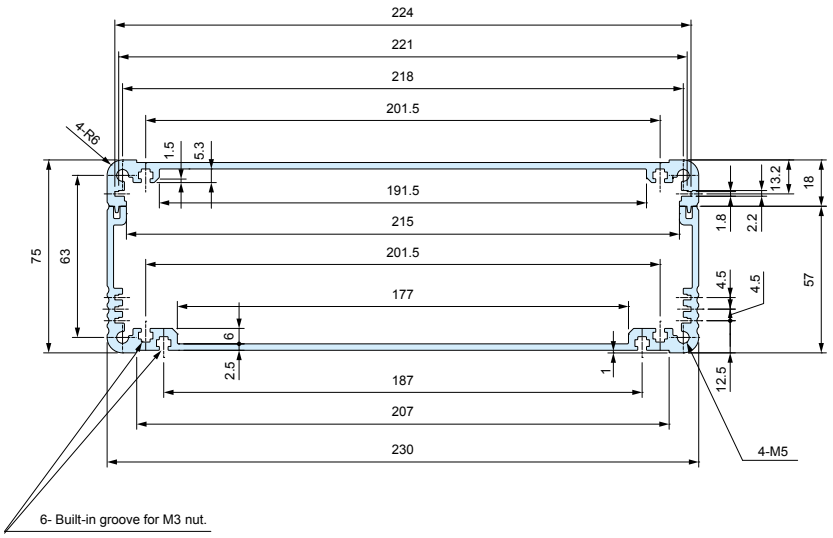
EXP • EXPE • EXPF • EXEF20-12-□
EX19-11-□



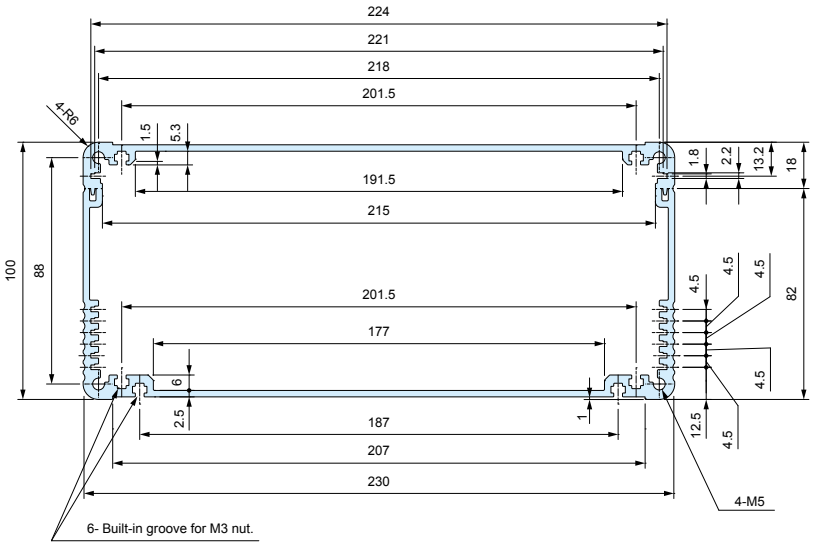
EXP • EXPE24-6-□
EXPF • EXEF24-7-□
EX23-5-□



EXP • EXPE • EXPF • EXEF24-9-□
EX23-8-□



EXP • EXPE24-11-□
EXPF • EXEF24-12-□
EX23-10-□



Serie AW Aluminium-Gehäuse mit Wandbefestigung IP67

Series AW aluminium enclosure with wall mounting flange IP67

EMC Shielding Effects

IP67

Technische Daten
Schutzklasse: IP67 Temperaturbereich: -40°C ~ +105°C Empfohlenes Drehmoment: 1.0N • m (10kgf • cm)

Technical Data
Protection class: IP67 Operating temperature: -40°C ~ +105°C Recommended torque: 1.0N • m (10kgf • cm)

- Wasserdichtes IP-67-Aluminiumgehäuse mit Kühlrippen und Befestigungsflansch.
- Integrierte Nuten dienen als Führung für Leiterplatten oder Montageplatten.
- Speziell konzipiert für raue Umgebungen und große Temperaturbereiche.
- Geeignet für Outdoor-Anwendungen oder als Netzteilgehäuse.

- IP67 and heat dissipation enclosure. Designed with flanged end panels.
- PCB or chassis is mounted by sliding it horizontally into an inner-grooved body frame.
- Designed for a tough environment where waterproof and heat countermeasures are required.
- Suitable for outdoor use such as LED power supply and junction boxes.

N Version Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Deckel mit Flanschbefestigung	2	Aluminium-Druckguss	Metallisch-Grau • Schwarz pulverbeschichtet
2	Tubus	1	Aluminiumprofil	Silber • Schwarz eloxiert
3	Dichtung	2	Silikon	Schwarz
4	Schraube	8	Edelstahl	unbehandelt

Normal N type Components

No.	Part name	Pcs	Material	Color / Finish
1	Flanged end panel	2	Diecast aluminium ADC12	Metallic gray • Black / Powder coated
2	Body frame	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Gasket	2	Silicone	Black
4	Screw	8	Stainless steel	Unfinished

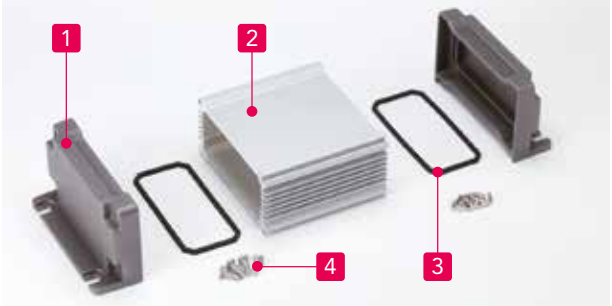
EMV geschützte Ausführung Typ E

Nr.	Part name	Pcs	Material	Color / Finish
1	Deckel mit Flanschbefestigung	2	Aluminium Druckguss	Silber • Schwarz / pulverbeschichtet
2	Tubus	1	Aluminium Profil	Silber • Schwarz eloxiert
3	leitfähige Dichtung	2	leitfähiges Silikon	Schwarz
4	Schraube	8	Edelstahl	unbehandelt

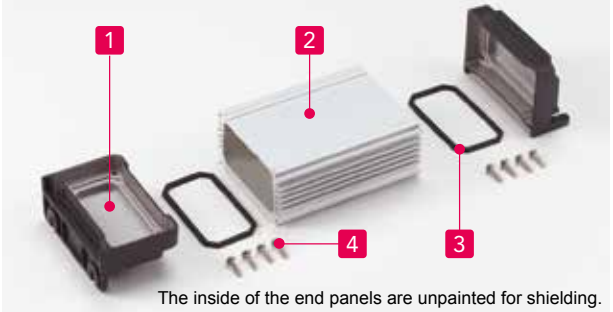
EMC Shielded E type Components

No.	Part name	Pcs	Material	Color / Finish
1	Flanged end panel	2	Diecast aluminium ADC12	Silver • Black / Painted (unfinished inside)
2	Body frame	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Conductive gasket	2	Conductive silicone	Black
4	Screw	8	Stainless steel	Unfinished

Normal - N type



EMC Shielded - E type



The inside of the end panels are unpainted for shielding.

Zubehör (Optional erhältlich) Accessories (optional parts)

Montageplatte - Serie AWC
Mounting plate - AWC series

Innensechskantschraube - Serie HCS
Hexagon socket head screw
HCS series

Kabelverschraubungen
Cable gland

Protective vent - PMF Series

Normal / EMC Shielded • Color Code

Normal - N type

Metallic gray / Silver

N	G	S

Black / Silver

N	B	S

Black / Black

N	B	B

EMC Shielded - E type

Silver / Silver

E	S	S

Black / Silver

E	B	S

Black / Black

E	B	B

※ Thermal resistance test condition
- Ambient air cooling
- Heat-sink fins are set perpendicular to the ground with temperature at 60°C.
- Anodized aluminium extrusion
- Heat source is applied on the opposite side (inner side) of the fins.

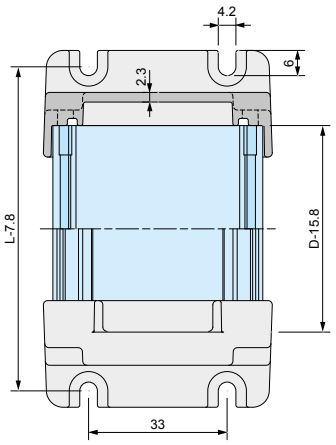
Bestellnummer / Maße
Product no. / Dimensions

■ Bitte ergänzen Sie den Farbcode am Ende der Bestell-Nr.
■ Please suffix color code at the end of the product number.

Best-Nr. Product no.	W	H	D	※Wärmewiderstand (°C/W) ※Thermal resistance (°C/W)	Gewicht (g) Weight (g)
AW 5-4- 7□□□	54.6	38.6	65	11.2	128.5
AW 5-4- 9□□□	54.6	38.6	85	9.18	149
AW 5-4-11□□□	54.6	38.6	110	7.64	175
AW 5-4-14□□□	54.6	38.6	135	6.63	201.5
AW 7-7- 8□□□	65.8	70.8	80	4.41	294.5
AW 7-7-11□□□	65.8	70.8	110	3.5	350
AW 7-7-15□□□	65.8	70.8	150	2.83	424.5
AW 7-7-20□□□	65.8	70.8	200	2.33	517
AW 7-7-25□□□	65.8	70.8	250	2.02	610
AW 8-5- 9□□□	80.8	50.8	90	5.97	289.5
AW 8-5-12□□□	80.8	50.8	115	5.01	330.5
AW 8-5-14□□□	80.8	50.8	140	4.37	372
AW 8-5-18□□□	80.8	50.8	175	3.76	429.5
AW 9-9-10□□□	86.3	92	100	3.1	560.5
AW 9-9-13□□□	86.3	92	125	2.63	633.5
AW 9-9-17□□□	86.3	92	170	2.12	764.5
AW 9-9-22□□□	86.3	92	220	1.79	910.5
AW 9-9-28□□□	86.3	92	275	1.54	1,071
AW11-6-11□□□	106.3	62	110	4.52	526.5
AW11-6-15□□□	106.3	62	150	3.62	625
AW11-6-19□□□	106.3	62	190	3.08	723.5
AW11-6-24□□□	106.3	62	240	2.64	847
AW12-8-11□□□	120	77	105	3.6	614.5
AW12-8-14□□□	120	77	140	2.93	720.5
AW12-8-17□□□	120	77	179.5	2.47	840
AW12-8-22□□□	120	77	215	2.18	947.5
AW16-9-14□□□	156.3	87	135	2.64	945.5
AW16-9-18□□□	156.3	87	175	2.2	1,092.5
AW16-9-23□□□	156.3	87	225	1.86	1,275.5
AW16-9-28□□□	156.3	87	275	1.63	1,459
AW21-9-17□□□	206.3	87	170	2.3	1,303
AW21-9-21□□□	206.3	87	210	1.99	1,473.5
AW21-9-26□□□	206.3	87	260	1.72	1,686.5
AW21-9-31□□□	206.3	87	310	1.54	1,899.5

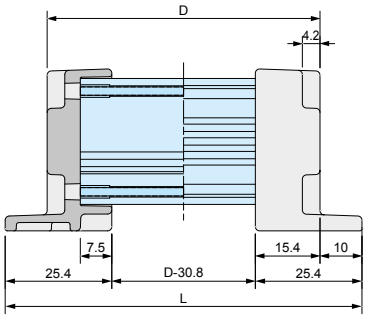
AW Dimensionen — AW dimensions

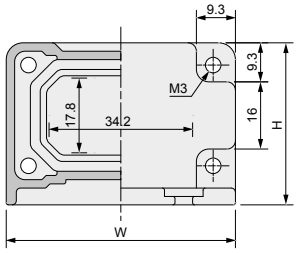
AW5-4-□

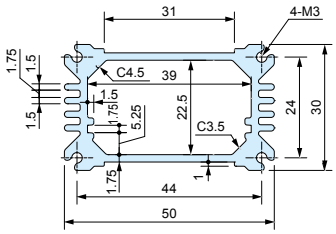


Best-Nr. Product no.	W	H	D (Profil Länge) D (Body length)	L (Gesamt Länge) L (Overall length)
AW5-4- 7	54.6	38.6	65	85
AW5-4- 9	54.6	38.6	85	105
AW5-4-11	54.6	38.6	110	130
AW5-4-14	54.6	38.6	135	155

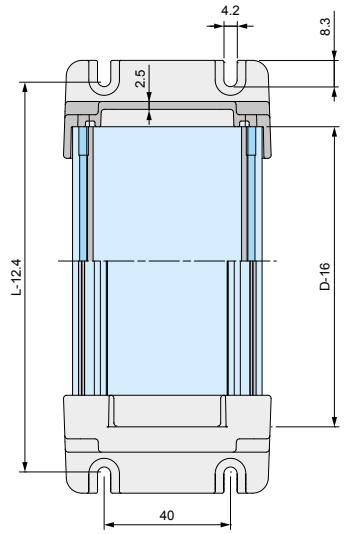
- Profillänge = D - 15.8
- Body frame length = D - 15.8





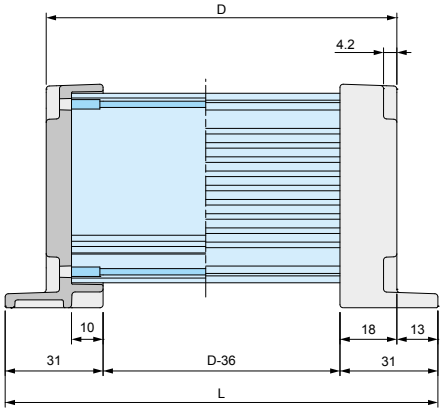


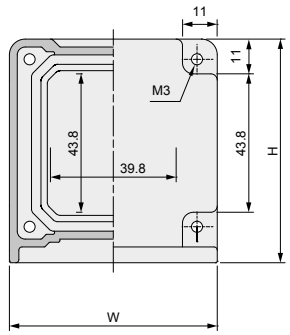
AW7-7-□

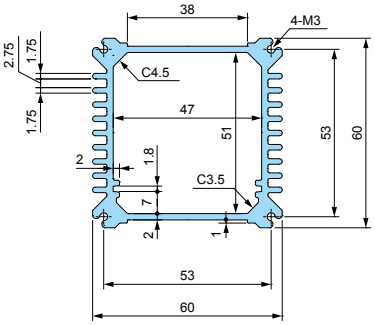


Best-Nr. Product no.	W	H	D (Profil Länge) D (Body length)	L (Gesamt Länge) L (Overall length)
AW7-7- 8	65.8	70.8	80	106
AW7-7-11	65.8	70.8	110	136
AW7-7-15	65.8	70.8	150	176
AW7-7-20	65.8	70.8	200	226
AW7-7-25	65.8	70.8	250	276

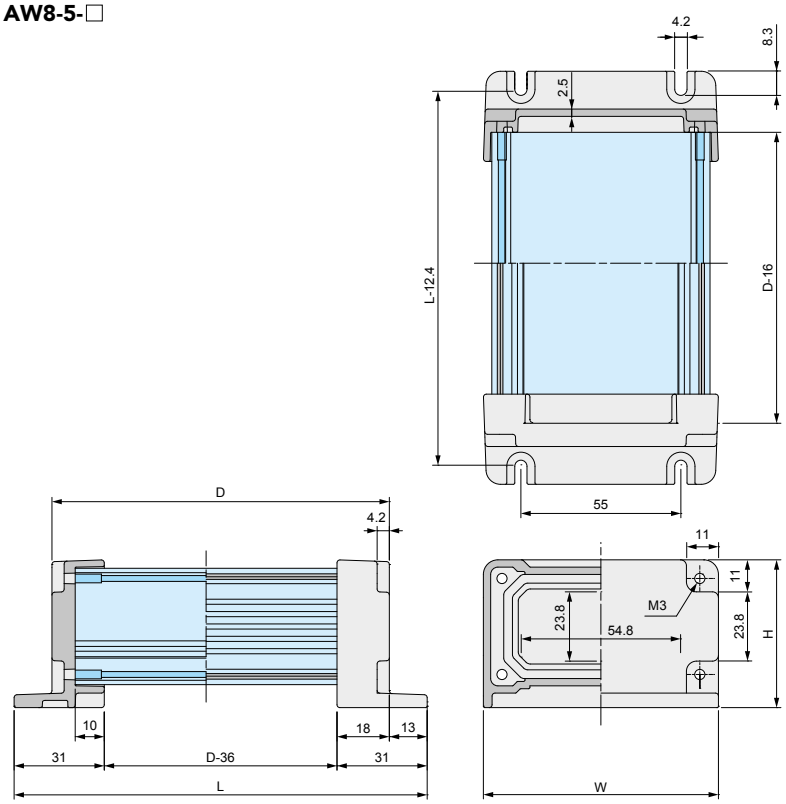
- Profillänge = D - 16
- Body frame length = D - 16

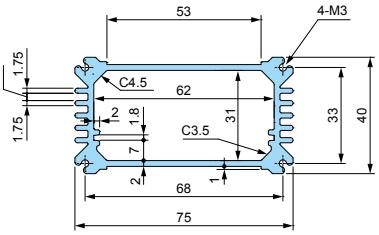






AW8-5-□

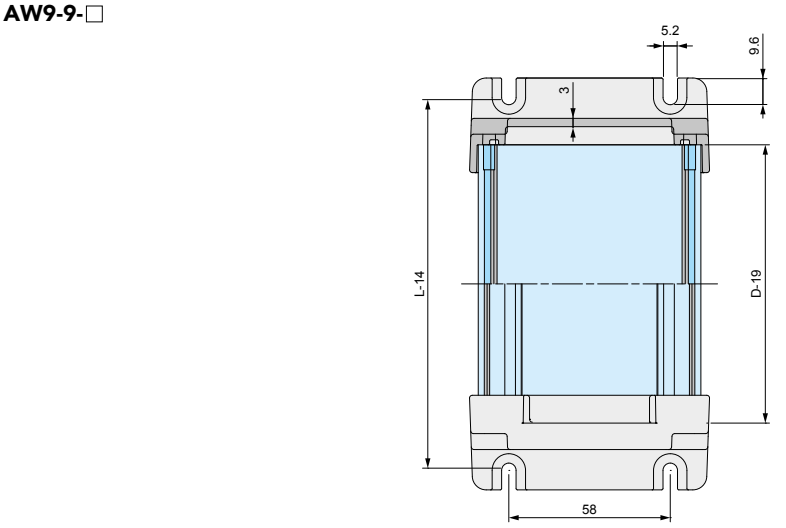


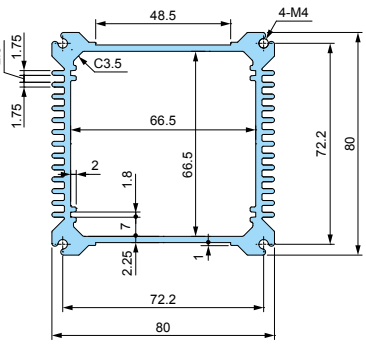


Best-Nr. Product no.	W	H	D (Profil Länge) D (Body length)	L (Gesamt Länge) L (Overall length)
AW8-5- 9	80.8	50.8	90	116
AW8-5-12	80.8	50.8	115	141
AW8-5-14	80.8	50.8	140	166
AW8-5-18	80.8	50.8	175	201

- Profillänge = D - 16
- Body frame length = D - 16

AW9-9-□



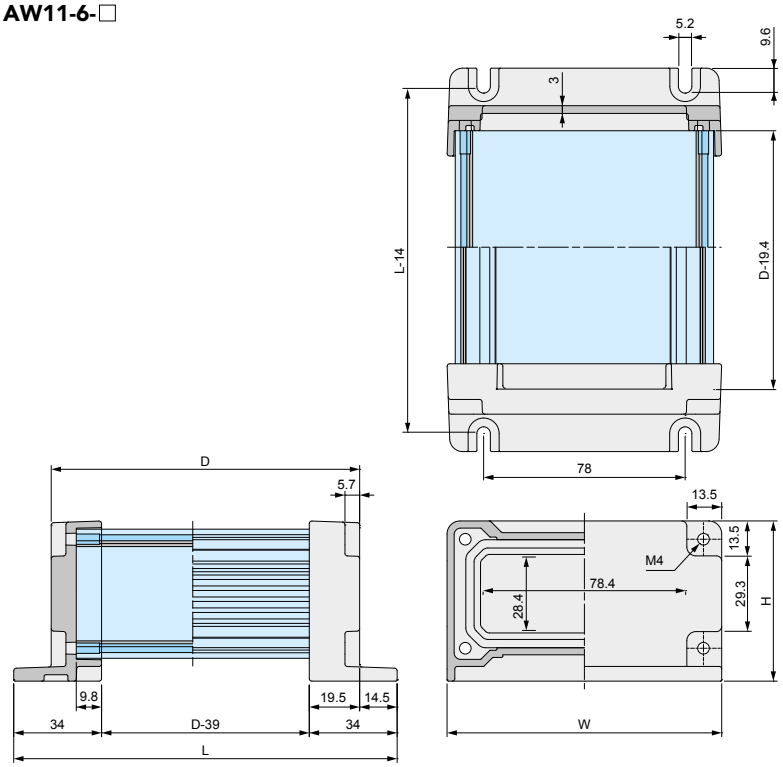


Best-Nr. Product no.	W	H	D (Profil Länge) D (Body length)	L (Gesamt Länge) L (Overall length)
AW9-9-10	86.3	92	100	129
AW9-9-13	86.3	92	125	154
AW9-9-17	86.3	92	170	199
AW9-9-22	86.3	92	220	249
AW9-9-28	86.3	92	275	304

- Profillänge = D - 19
- Body frame length = D - 19

AW Dimensionen AW dimensions

AW11-6-□



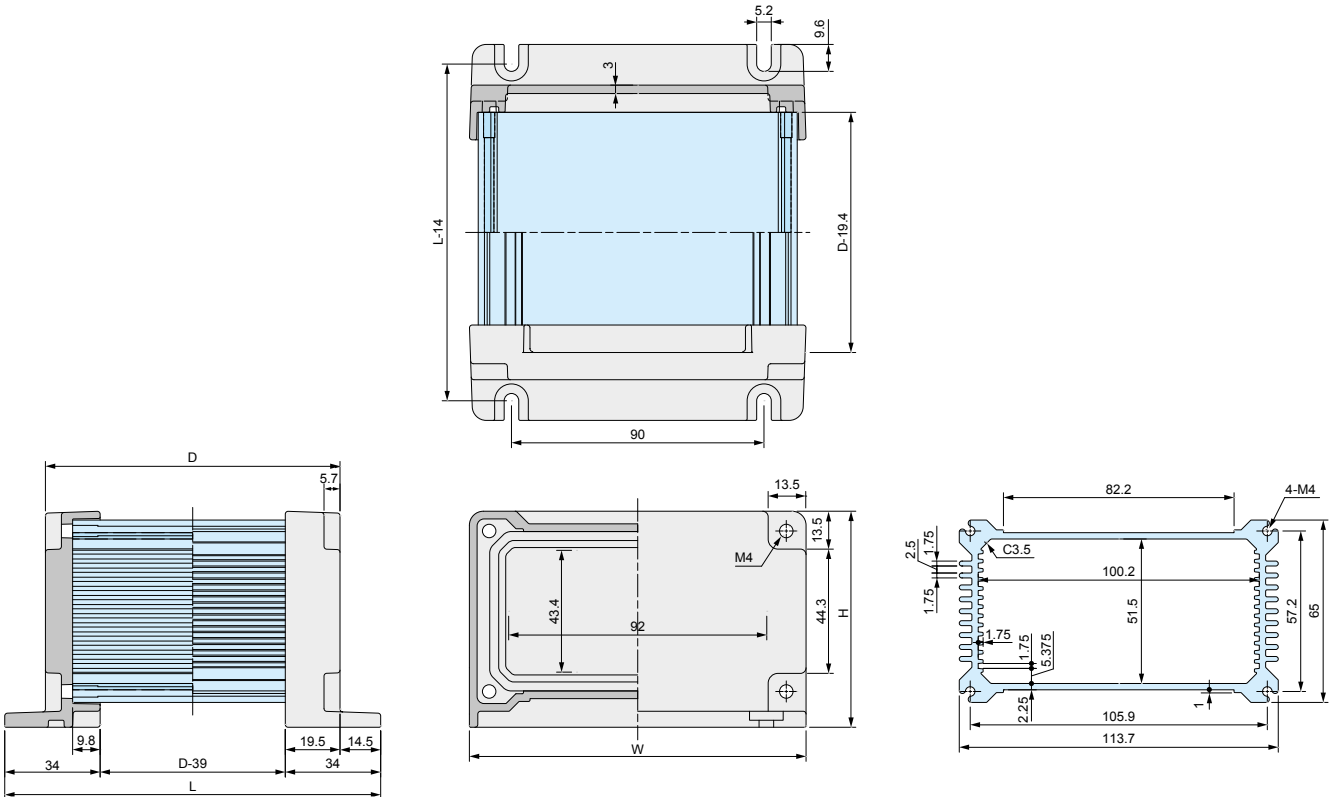
Best-Nr. Product no.	W	H	D (Profil Länge) D (Body length)	L (Gesamt Länge) L (Overall length)
AW11-6-11	106.3	62	110	139
AW11-6-15	106.3	62	150	179
AW11-6-19	106.3	62	190	219
AW11-6-24	106.3	62	240	269

- Profillänge = D - 19.4
- Body frame length = D - 19.4

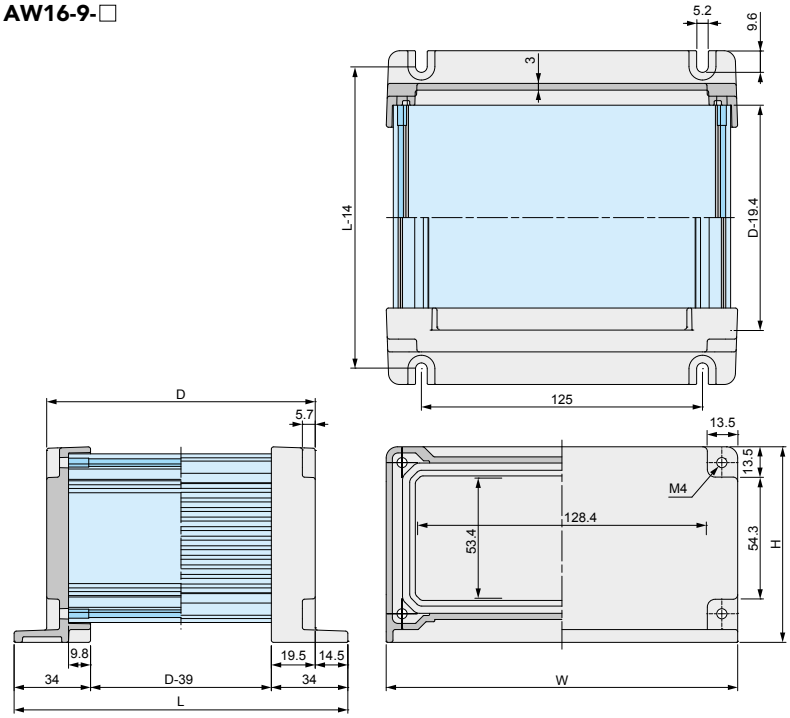
AW12-8-□

Best-Nr. Product no.	W	H	D (Profillänge) D (Body length)	L (Gesamtlänge) L (Overall length)
AW12-8-11	120	77	105	134
AW12-8-14	120	77	140	169
AW12-8-17	120	77	179.5	208.5
AW12-8-22	120	77	215	244

- Profillänge = D - 19.4 - Body frame length = D - 19.4

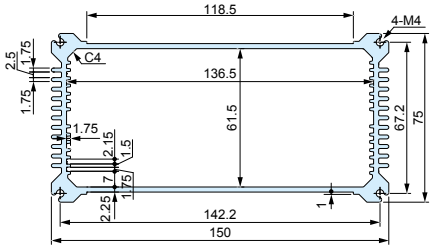


AW16-9-□



Best-Nr. Product no.	W	H	D (Profil Länge) D (Body length)	L (Gesamt Länge) L (Overall length)
AW16-9-14	156.3	87	135	164
AW16-9-18	156.3	87	175	204
AW16-9-23	156.3	87	225	254
AW16-9-28	156.3	87	275	304

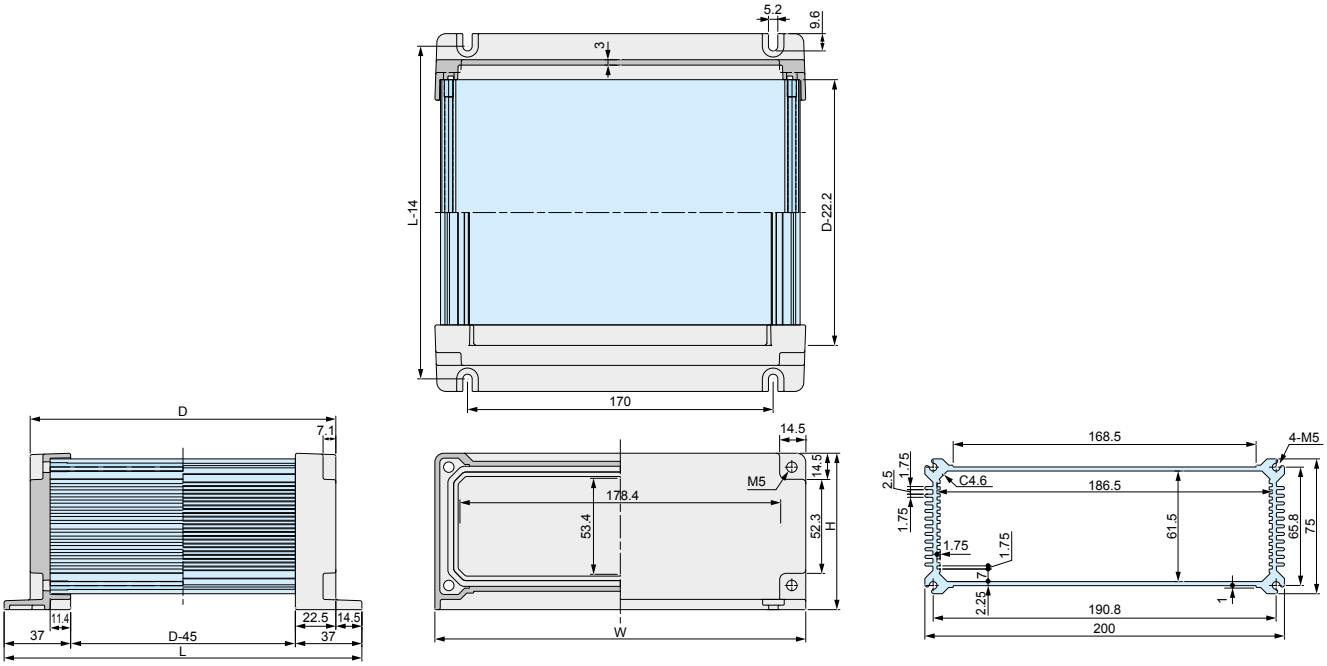
- Profillänge = D - 19.4
- Body frame length = D - 19.4



AW21-9-□

Best-Nr. Product no.	W	H	D (Profillänge) D (Body length)	L (Gesamtlänge) L (Overall length)
AW21-9-17	206.3	87	170	199
AW21-9-21	206.3	87	210	239
AW21-9-26	206.3	87	260	289
AW21-9-31	206.3	87	310	339

- Profillänge = D - 22.2 - Body frame length = D - 22.2



Serie AWN
IP 67 Aluminium-Kühlkörpergehäuse

Series AWN
IP 67 heatsink aluminium enclosure

EMC Shielding Effects

IP67

Technische Daten

Schutzklasse: IP67
Temperaturbereich: -40°C ~ +105°C
Empfohlenes Drehmoment:
1.0N • m (10kgf • cm)

Technical Data

Protection class: IP67
Operating temperature: -40°C ~ +105°C
Recommended torque:
1.0N • m (10kgf • cm)

- IP67 Aluminiumgehäuse mit Kühlrippen verfügbar als normal und EMV geschützte Version.
- Aluminiumprofil und Druckguss-Deckelplatten geeignet für raue Umgebungen und große Temperaturbereiche.
- Integrierte Nuten dienen als Führung für Leiterplatten oder Montageplatten.
- Geeignet für Messgeräte, Industriegehäuse, Kameragehäuse uvm.

- IP67 and heat dissipation enclosure design. Selectable in both Normal or EMC Shielded type.
- The extruded aluminium frame and diecast aluminium panels makes it extremely suitable to be used in harsh environments where waterproofing and heat dissipation is essential.
- PCB or chassis can be mounted by sliding it horizontally into inner-grooved body frame.
- Suitable for measuring instruments, industrial control box, and industrial camera housing, among others.

N Version Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Endplatte	2	Aluminiumdruckguss	Metallic Grau • Schwarz / pulverbeschichtet
2	Profil	1	Aluminiumprofil	Silber • Schwarz / eloxiert
3	Dichtung	2	Silikon	Schwarz
4	Schraube	8	Edelstahl	unbehandelt
5	Gummifüße	4	Polyurethane	Schwarz

Normal N type Components

No.	Part name	Pcs	Material	Color / Finish
1	End panel	2	Diecast aluminium ADC12	Metallic gray • Black / Powder coated
2	Body frame	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Gasket	2	Silicone	Black
4	Screw	8	Stainless steel	Unfinished
5	Rubber feet	4	Polyurethane	Black

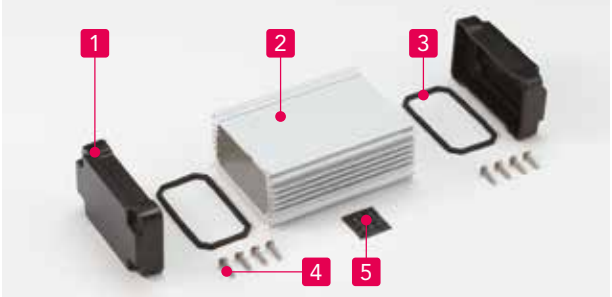
EMV geschützte Ausführung Typ E

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Endplatte	2	Aluminiumdruckguss	Silber • Schwarz / lackiert
2	Profil	1	Aluminiumprofil	Silber • Schwarz / eloxiert
3	leitfähige Dichtung	2	leitfähiges Silikon	Schwarz
4	Schraube	8	Edelstahl	unbehandelt
5	Gummifüße	4	Polyurethane	Schwarz

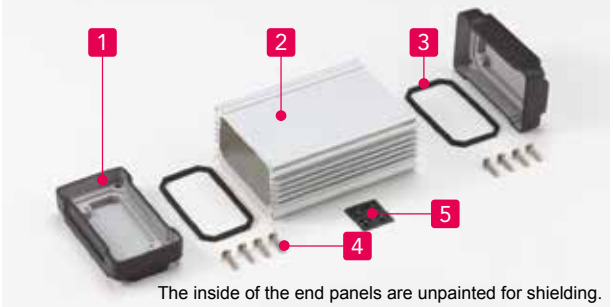
EMC Shielded E type Components

No.	Part name	Pcs	Material	Color / Finish
1	Flanged end panel	2	Diecast aluminium ADC12	Silver • Black / Painted (unfinished inside)
2	Body frame	1	Extruded aluminiumt A6063S-T5	Silver • Black / Anodized
3	Conductive gasket	2	Conductive silicone	Black
4	Screw	8	Stainless steel	Unfinished
5	Rubber	4	Polyurethane	Black

Normal - N type

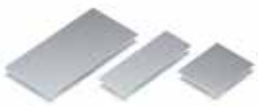


EMC Shielded - E type



The inside of the end panels are unpainted for shielding.

Zubehör (Optional erhältlich) Accessories (optional parts)



Montageplatte Serie AWC
Mounting plate AWC series

Innensechskant Schraube
Serie HCS
Hexagon socket head screw
HCS series

Kabelverschraubungen
Cable gland

Silikonschutz Serie AWSP
Silicone protector
AWSP series

Protective vent
PMF Series

Normal / EMC Shielded • Color Code

Normal - N type

Metallic gray / Silver

N	G	S

Black / Silver

N	B	S

Black / Black

N	B	B

EMC Shielded - E type

Silver / Silver

E	S	S

Black / Silver

E	B	S

Black / Black

E	B	B

※ Thermal resistance test condition
- Ambient air cooling
- Heat-sink fins are set perpendicular to the ground with temperature at 60°C.
- Anodized aluminium extrusion
- Heat source is applied on the opposite side (inner side) of the fins.

Best-Nr. / Maße
Product no. / Dimensions

■ Bitte ergänzen Sie den Farbcode am Ende der Bestell-Nr.
■ Please suffix color code at the end of the product number.

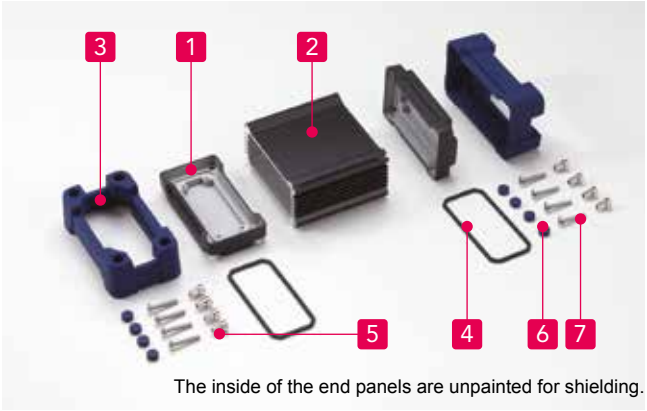
Best-Nr. Product no.	W	H	D	※Wärmewiderstand (°C/W) ※Thermal resistance (°C/W)	Gewicht (g) Weight (g)
AWN 5-4- 7□□□	54.6	34.6	65	11.2	118.5
AWN 5-4- 9□□□	54.6	34.6	85	9.18	139
AWN 5-4-11□□□	54.6	34.6	110	7.64	165
AWN 5-4-14□□□	54.6	34.6	135	6.63	191.5
AWN 7-7- 8□□□	65.8	65.8	80	4.41	272.5
AWN 7-7-11□□□	65.8	65.8	110	3.5	328
AWN 7-7-15□□□	65.8	65.8	150	2.83	402.5
AWN 7-7-20□□□	65.8	65.8	200	2.33	495
AWN 7-7-25□□□	65.8	65.8	250	2.02	588
AWN 8-5- 9□□□	80.8	45.8	90	5.97	259.5
AWN 8-5-12□□□	80.8	45.8	115	5.01	300.5
AWN 8-5-14□□□	80.8	45.8	140	4.37	342
AWN 8-5-18□□□	80.8	45.8	175	3.76	399.5
AWN 9-9-10□□□	86.3	86.3	100	3.1	521.5
AWN 9-9-13□□□	86.3	86.3	125	2.63	594.5
AWN 9-9-17□□□	86.3	86.3	170	2.12	725.5
AWN 9-9-22□□□	86.3	86.3	220	1.79	871.5
AWN 9-9-28□□□	86.3	86.3	275	1.54	1,032
AWN11-6-11□□□	106.3	56.3	110	4.52	479.5
AWN11-6-15□□□	106.3	56.3	150	3.62	578
AWN11-6-19□□□	106.3	56.3	190	3.08	676.5
AWN11-6-24□□□	106.3	56.3	240	2.64	800
AWN12-8-11□□□	120	71.3	105	3.6	590.5
AWN12-8-14□□□	120	71.3	140	2.93	696.5
AWN12-8-17□□□	120	71.3	179.5	2.47	816
AWN12-8-22□□□	120	71.3	215	2.18	923.5
AWN16-9-14□□□	156.3	81.3	135	2.64	871.5
AWN16-9-18□□□	156.3	81.3	175	2.2	1,018.5
AWN16-9-23□□□	156.3	81.3	225	1.86	1,201.5
AWN16-9-28□□□	156.3	81.3	275	1.63	1,385
AWN21-9-17□□□	206.3	81.3	170	2.3	1,261
AWN21-9-21□□□	206.3	81.3	210	1.99	1,431.5
AWN21-9-26□□□	206.3	81.3	260	1.72	1,644.5
AWN21-9-31□□□	206.3	81.3	310	1.54	1,857.5

Serie AWP mit Silikon-Protektoren - Schutzart IP67

Series AWP with silicon protectors - protection grade IP67

EMC Shielding Effects

IP67



The inside of the end panels are unpainted for shielding.

Technische Daten

Schutzklasse: IP67
Temperaturbereich: -40°C ~ +105°C
Empfohlenes Drehmoment:
1.0N • m (10kgf • cm)

Technical Data

Protection class: IP67
Operating temperature: -40°C ~ +105°C
Recommended torque:
1.0N • m (10kgf • cm)

- Schlagfestes Gehäuse mit Silikonschutz-Protektoren.
- Speziell konzipiert zur Kühlung, EMV-Schutz und Schutzklasse IP67.
- Integrierte Nuten dienen als Führung für Leiterplatten oder Montageplatten.
- Verfügbar in 30 Größen und 8 Farbvarianten, insgesamt 240 Auswahlmöglichkeiten.
- Geeignet für Messgeräte, Industriegehäuse, Kameragehäuse uvm.

- Strong impact resistant enclosure with tough silicone boot protectors.
- Specifically designed with heat dissipation effect, EMC shielding and IP67 rating.
- PCB or chassis can be horizontally mounted by sliding into an inner-grooved body frame.
- Available in 30 sizes and 8 different color combinations. Selectable from a total of 240 different combinations.
- Suitable for measuring intruments, industrial control box, industrial camera housing, etc.

Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Endplatte	2	Aluminiumdruckguss	Silber • Schwarz / lackiert
2	Profil	1	Aluminiumprofil	Silber • Schwarz / eloxiert
3	Protektor	2	Silikon	Schwarz • Grau • Navy • Gelb
4	leitfähige Dichtung	2	leitfähiges Silikon	Schwarz
5	Abstandshalter	8	Messing	vernickelt
6	Blindstopfen	8	Silikon	Schwarz • Grau • Navy • Gelb
7	Schraube	8	Edelstahl	unbehandelt

Components

No.	Part name	Pcs	Material	Color / Finish
1	End panel	2	Diecast aluminium ADC12	Silver • Black / Painted (unfinished inside)
2	Body frame	1	Extruded aluminium A6063S-T5	Siver • Black / Anodized
3	Protector	2	Silicone	Black • Gray • Navy • Yellow
4	Conductive gasket	2	Conductive silicone	Black
5	Spacer	8	Brass	Nickel plated
6	Blind cap	8	Silicone	Black • Gray • Navy • Yellow
7	Screw	8	Stainless steel	Unfinished

Serie AWP mit Silikon-Protektoren - Schutzart IP67

Series AWP with silicon protectors - protection grade IP67

Farbvariante - Color Type

Code	SB Silber / Schwarz SB Silver / Black	SG Silber / Grau SG Silver / Gray	SN Silber / Navy SN Silver / Navy	SY Silber / Gelb SY Silver / Yellow
Color - Farbe				
Code	**BB Schwarz / Schwarz BB Black / Black**	**BG Schwarz / Grau BG Black / Gray**	**BN Schwarz / Navy BN Black / Navy**	**BY Schwarz / Gelb BY Black / Yellow**
Color - Farbe				

Produkt-Nr. / Product no. : AWP7-7-8 B N

Farbcode SB, SG, SN, SY, BB, BG, BN or BY.
Color code SB, SG, SN, SY, BB, BG, BN or BY.

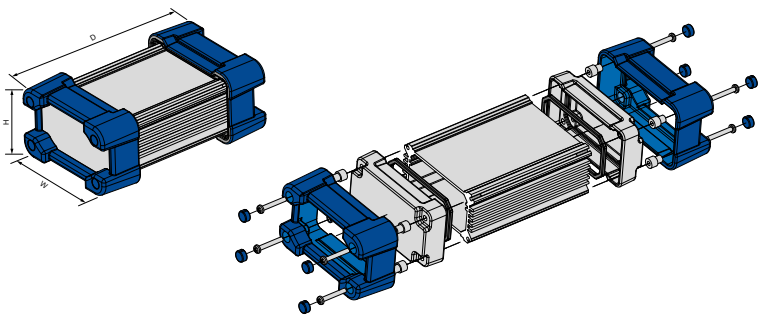
※ Thermal resistance test condition

- Ambient air cooling
- Heat-sink fins are set perpendicular to the ground with temperature at 60°C.
- Anodized aluminium extrusion
- Heat source is applied on the opposite side (inner side) of the fins.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	H	D	※Wärmewiderstand (°C/W) ※Thermal resistance rate (°C/W)	Gewicht (g) Weight (g)
AWP 7-7- 8□□	72.4(65.8)	73.6(65.8)	104 (80)	4.41	363.5
AWP 7-7-11□□	72.4(65.8)	73.6(65.8)	134(110)	3.5	419
AWP 7-7-15□□	72.4(65.8)	73.6(65.8)	174(150)	2.83	493.5
AWP 7-7-20□□	72.4(65.8)	73.6(65.8)	224(200)	2.33	586
AWP 7-7-25□□	72.4(65.8)	73.6(65.8)	274(250)	2.02	679
AWP 8-5- 9□□	87.4(80.8)	53.6(45.8)	114 (90)	5.97	353.5
AWP 8-5-12□□	87.4(80.8)	53.6(45.8)	139(115)	5.01	394.5
AWP 8-5-14□□	87.4(80.8)	53.6(45.8)	164(140)	4.37	436
AWP 8-5-18□□	87.4(80.8)	53.6(45.8)	199(175)	3.76	493.5
AWP 9-9-10□□	93.9(86.3)	95.1(86.3)	130(100)	3.1	693
AWP 9-9-13□□	93.9(86.3)	95.1(86.3)	155(125)	2.63	766
AWP 9-9-17□□	93.9(86.3)	95.1(86.3)	200(170)	2.12	897
AWP 9-9-22□□	93.9(86.3)	95.1(86.3)	250(220)	1.79	1,043
AWP 9-9-28□□	93.9(86.3)	95.1(86.3)	305(275)	1.54	1,203.5
AWP11-6-11□□	113.9(106.3)	65.1(56.3)	140(110)	4.52	652.5
AWP11-6-15□□	113.9(106.3)	65.1(56.3)	180(150)	3.62	751.5
AWP11-6-19□□	113.9(106.3)	65.1(56.3)	220(190)	3.08	850
AWP11-6-24□□	113.9(106.3)	65.1(56.3)	270(240)	2.64	973
AWP12-8-11□□	127.6(120)	80.1(71.3)	135(105)	3.6	778.5
AWP12-8-14□□	127.6(120)	80.1(71.3)	170(140)	2.93	885
AWP12-8-17□□	127.6(120)	80.1(71.3)	209.5(179.5)	2.47	1,004.5
AWP12-8-22□□	127.6(120)	80.1(71.3)	245(215)	2.18	1,112
AWP16-9-14□□	163.9(156.3)	90.1(81.3)	165(135)	2.64	1,094
AWP16-9-18□□	163.9(156.3)	90.1(81.3)	205(175)	2.2	1,240.5
AWP16-9-23□□	163.9(156.3)	90.1(81.3)	255(225)	1.86	1,424
AWP16-9-28□□	163.9(156.3)	90.1(81.3)	305(275)	1.63	1,607.5
AWP21-9-17□□	213.9(206.3)	90.1(81.3)	202(170)	2.3	1,571.5
AWP21-9-21□□	213.9(206.3)	90.1(81.3)	242(210)	1.99	1,742
AWP21-9-26□□	213.9(206.3)	90.1(81.3)	292(260)	1.72	1,955.5
AWP21-9-31□□	213.9(206.3)	90.1(81.3)	342(310)	1.54	2,168.5

■ ( ) value = enclosure dimension.

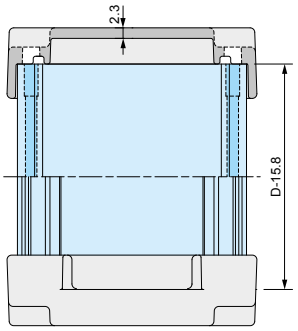


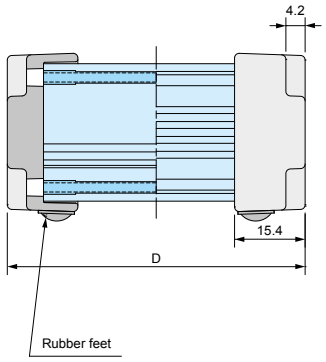
Serie AWN / AWP Maße Series AWN / AWP dimensions

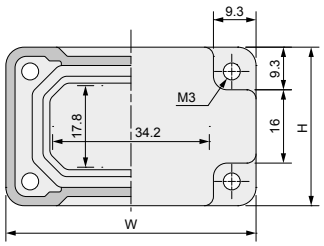
AWN5-4-□

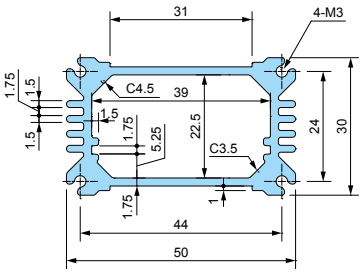
Best-Nr. - Product no.	W	H	D
AWN5-4- 7	54.6	34.6	65
AWN5-4- 9	54.6	34.6	85
AWN5-4-11	54.6	34.6	110
AWN5-4-14	54.6	34.6	135

- Profillänge = D - 15.8
- Body frame length = D - 15.8





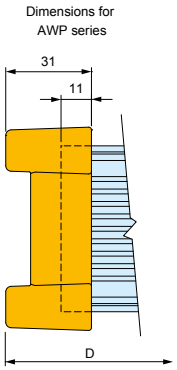


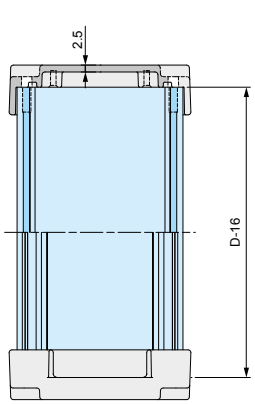


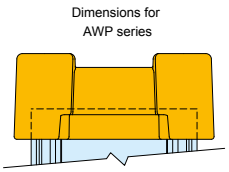
AWN / AWP7-7-□

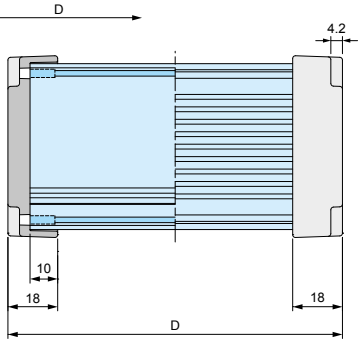
Best-Nr. - Product no.	W	H	D
AWN / AWP7-7- 8	65.8	65.8	80 (104)
AWN / AWP7-7-11	65.8	65.8	110 (134)
AWN / AWP7-7-15	65.8	65.8	150 (174)
AWN / AWP7-7-20	65.8	65.8	200 (224)
AWN / AWP7-7-25	65.8	65.8	250 (274)

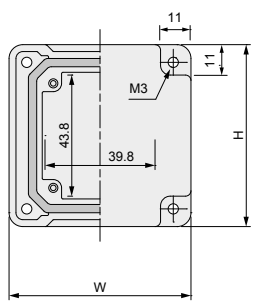
- ( ) Wert = Gehäuselänge mit Silikon-Protektor.
- Profillänge = D - 16
- ( ) value = enclosure dimensions with silicone cover.
- Body frame length = D - 16

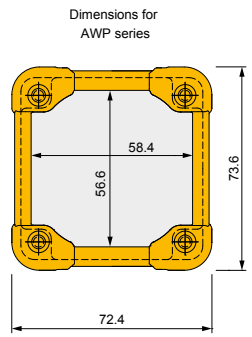


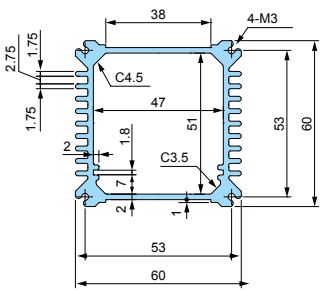










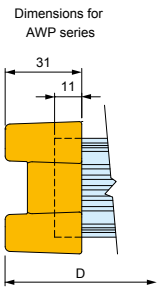


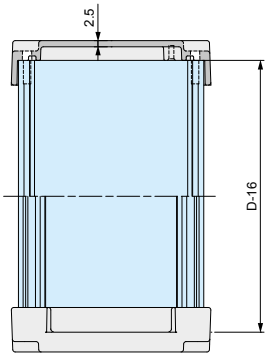
Serie AWN / AWP Maße — Series AWN / AWP dimensions

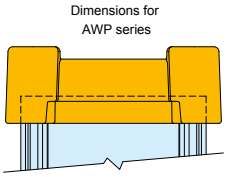
AWN / AWP8-5-□

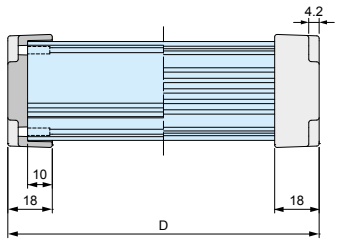
Best-Nr. - Product no.	W	H	D
AWN / AWP 8-5- 9	80.8	45.8	90 (114)
AWN / AWP 8-5-12	80.8	45.8	115 (139)
AWN / AWP 8-5-14	80.8	45.8	140 (164)
AWN / AWP 8-5-18	80.8	45.8	175 (199)

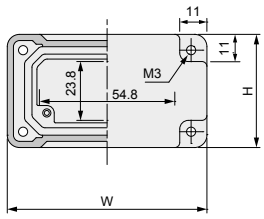
- ( ) Wert = Gehäuselänge mit Silikon-Protektor.
- Profillänge = D - 16
- ( ) value = enclosure length with silicone cover.
- Body frame length = D - 16

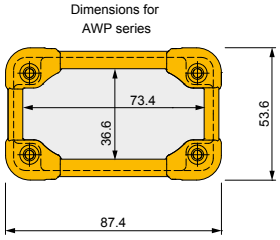


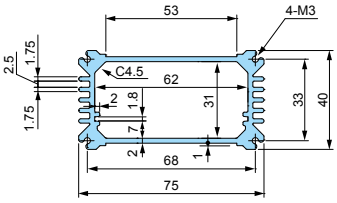








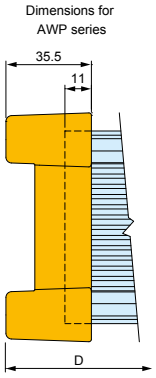


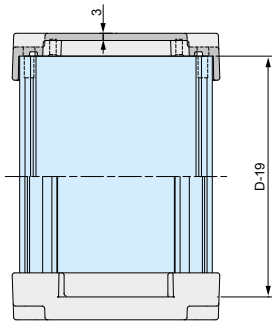


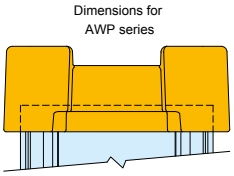
AWN / AWP9-9-□

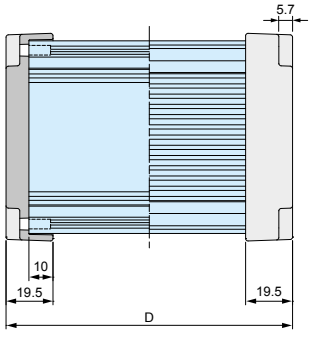
Best-Nr. - Product no.	W	H	D
AWN / AWP 9-9-10	86.3	86.3	100 (130)
AWN / AWP 9-9-13	86.3	86.3	125 (155)
AWN / AWP 9-9-17	86.3	86.3	170 (200)
AWN / AWP 9-9-22	86.3	86.3	220 (250)
AWN / AWP 9-9-28	86.3	86.3	275 (305)

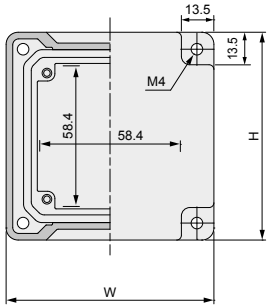
- ( ) Wert = Gehäuselänge mit Silikon-Protektor.
- Profillänge = D - 19
- ( ) value = enclosure length with silicone cover.
- Body frame length = D - 19

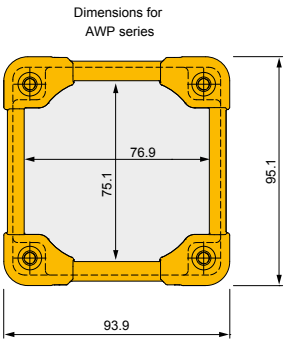


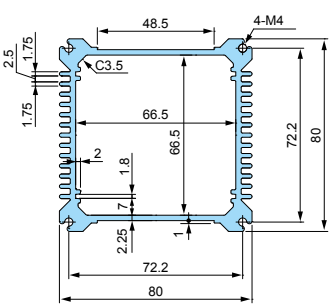










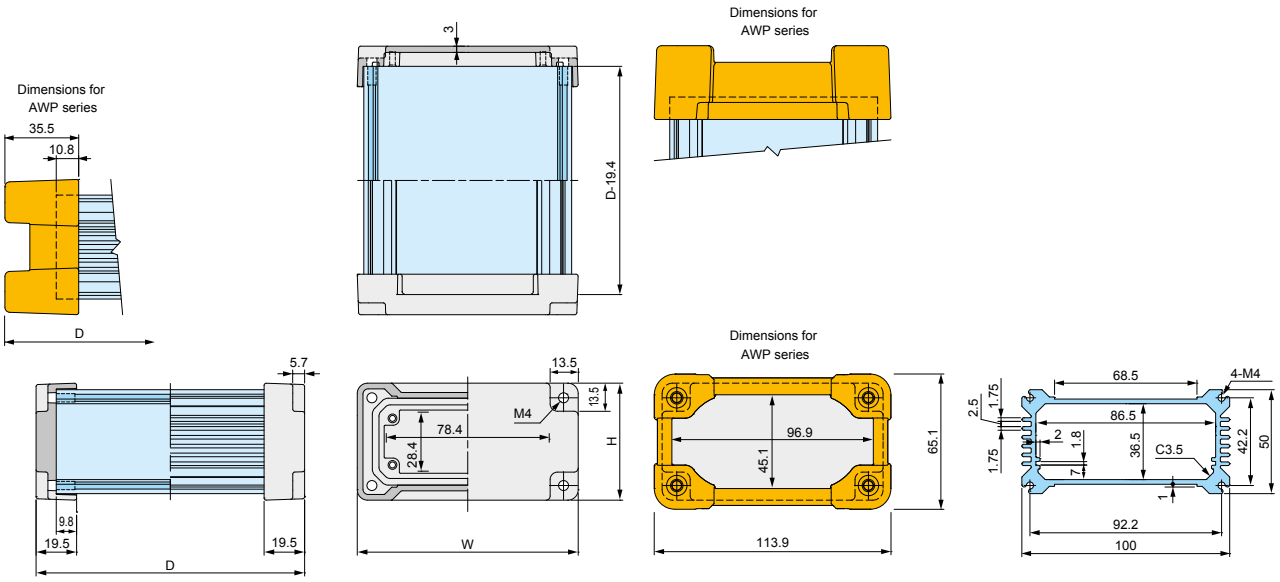


Serie AWN / AWP Maße Series AWN / AWP dimensions

AWN / AWP11-6-□

Best-Nr. - Product no.	W	H	D
AWN / AWP11-6-11	106.3	56.3	110 (140)
AWN / AWP11-6-15	106.3	56.3	150 (180)
AWN / AWP11-6-19	106.3	56.3	190 (220)
AWN / AWP11-6-24	106.3	56.3	240 (270)

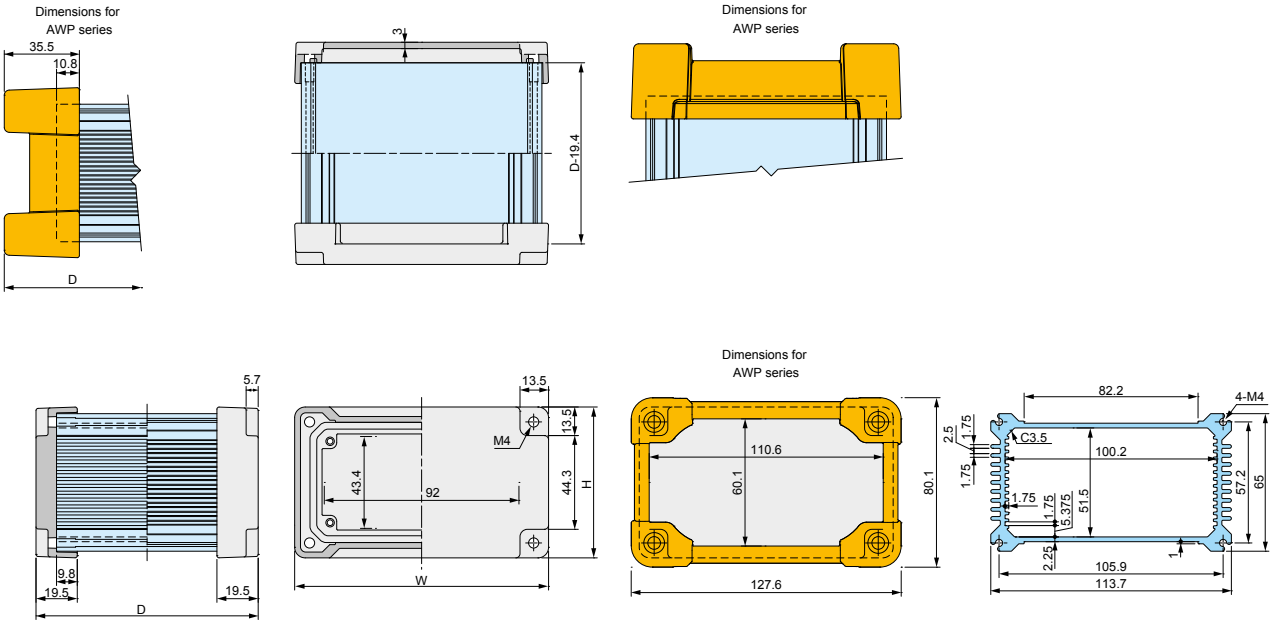
- ( ) Wert = Gehäuselänge mit Silikon-Protektor.
- Profillänge = D - 19.4
- ( ) value = enclosure length with silicone cover.
- Body frame length = D - 19.4



AWN / AWP12-8-□

Best-Nr. - Product no.	W	H	D
AWN / AWP12-8-11	120	71.3	105 (135)
AWN / AWP12-8-14	120	71.3	140 (170)
AWN / AWP12-8-17	120	71.3	179.5 (209.5)
AWN / AWP12-8-22	120	71.3	215 (245)

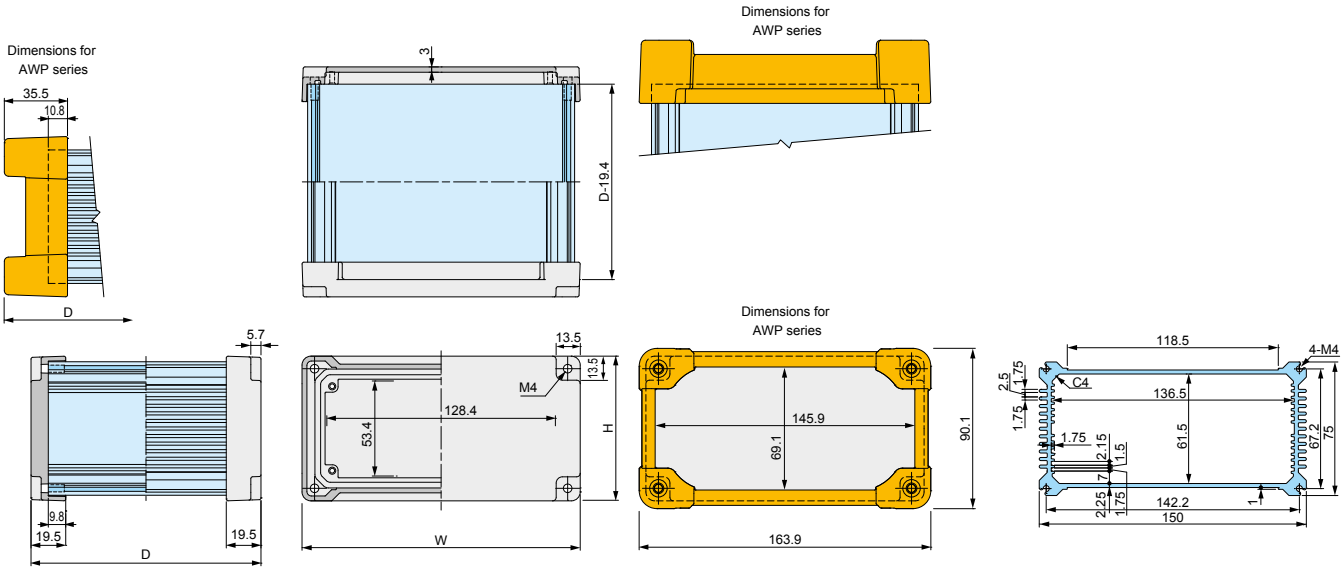
- ( ) Wert = Gehäuselänge mit Silikon-Protektor.
- Profillänge = D - 16
- ( ) value = enclosure length with silicone cover.
- Body frame length = D - 19.4



AWN / AWP16-9-□

Best-Nr. - Product no.	W	H	D
AWN / AWP16-9-14	156.3	81.3	135 (165)
AWN / AWP16-9-18	156.3	81.3	175 (205)
AWN / AWP16-9-23	156.3	81.3	225 (255)
AWN / AWP16-9-28	156.3	81.3	275 (305)

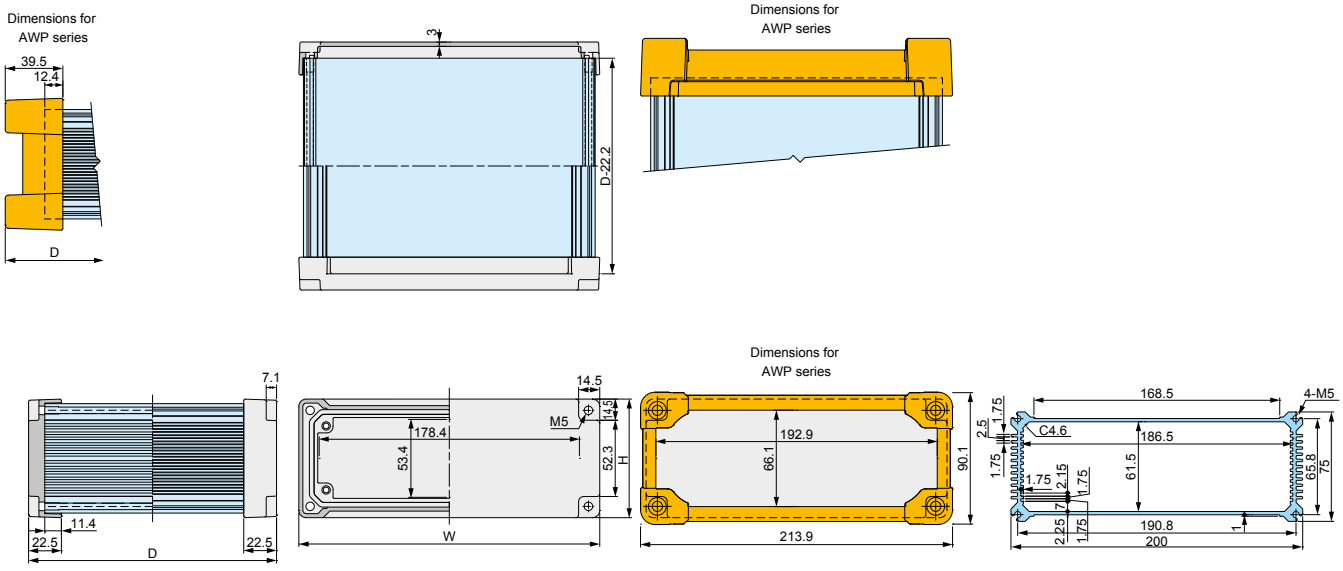
- ( ) Wert = Gehäuselänge mit Silikon-Protektor.
- Profillänge = D - 19.4
- ( ) value = enclosure length with silicone cover.
- Body frame length = D - 19.4



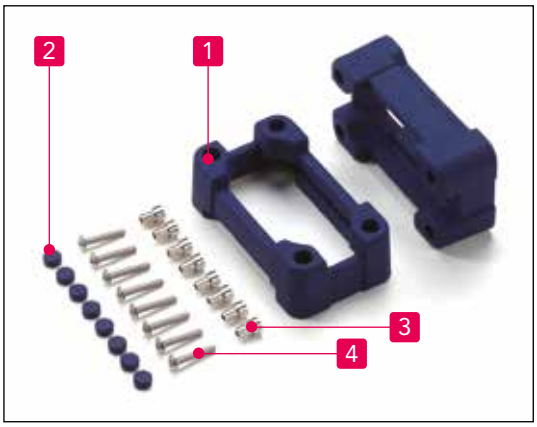
AWN / AWP21-9-□

Best-Nr. - Product no.	W	H	D
AWN / AWP21-9-17	206.3	81.3	170 (202)
AWN / AWP21-9-21	206.3	81.3	210 (242)
AWN / AWP21-9-26	206.3	81.3	260 (292)
AWN / AWP21-9-31	206.3	81.3	310 (342)

- ( ) Wert = Gehäuselänge mit Silikon-Protektor.
- Profillänge = D - 22.2
- ( ) value = enclosure length with silicone cover.
- Body frame length = D - 22.2



Serie AWSP Silikonschutz Series AWSP Silicone Protector



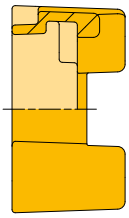
Farbvariante - Color Type

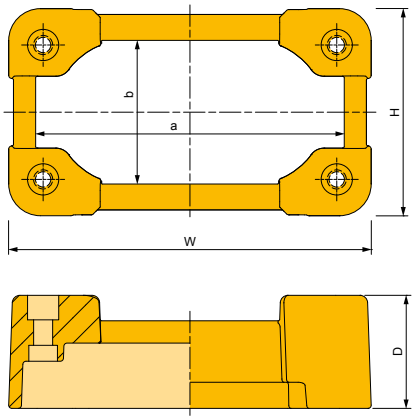
Code	B Schwarz / B Black	G Grau / G Gray	N Navy / N Navy	Y Gelb / Y Yellow
Farbe - Color				

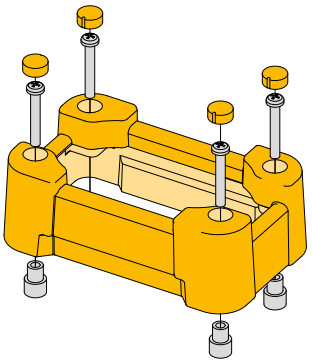
- Silikonschutz für Serie AWN.
- Schützt Schalter und/oder Steckverbindungen in den Deckelplatten bei einem Sturz.

- Silicone protector for AWN series.
- Protect switches and/or connectors on end panels from impact when dropped, etc.

AWSP Maße AWSP dimensions







Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Protektor	2	Silikon	Schwarz • Grau • Navy • Gelb
2	Blindstopfen	8	Silikon	Schwarz • Grau • Navy • Gelb
3	Abstandshalter	8	Messing	vernickelt
4	Schraube	8	Edelstahl	unbehandelt

Components

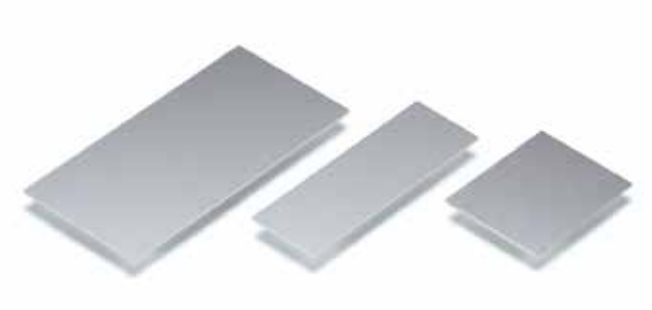
No.	Part name	Pcs	Material	Color / Finish
1	Protector	2	Silicone	Black • Gray • Navy • Yellow
2	Blind cap	8	Silicone	Black • Gray • Navy • Yellow
3	Spacer	8	Brass	Nickel plated
4	Screw	8	Stainless steel	Unfinished

Best-Nr. / Maße
Product no. / Dimensions

- Bitte ergänzen Sie den Farbcode am Ende der Bestell-Nr.
- Please suffix color code at the end of the product number.

Best-Nr. / Product no.	W	H	D	a	b	Schraubengr. / Screw size	Passendes Gehäuse / Suitable enclosure	Gewicht (g) / Weight (g)
AWSP 7-7☐	72.4	73.6	31	58.4	56.6	M3	AWN 7-7-☐	99
AWSP 8-5☐	87.4	53.6	31	73.4	36.6	M3	AWN 8-5-☐	100.5
AWSP 9-9☐	93.9	95.1	35.5	76.9	75.1	M4	AWN 9-9-☐	184.5
AWSP11-6☐	113.9	65.1	35.5	96.9	45.1	M4	AWN11-6-☐	186
AWSP12-8☐	127.6	80.1	35.5	110.6	60.1	M4	AWN12-8-☐	201
AWSP16-9☐	163.9	90.1	35.5	145.9	69.1	M4	AWN16-9-☐	235
AWSP21-9☐	213.9	90.1	39.5	192.9	66.1	M5	AWN21-9-☐	333

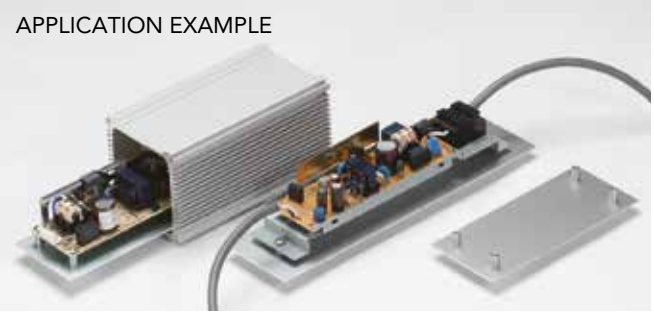
Serie AWC
Montageplatte aus Aluminium



- Material: Aluminium A1050P t=1.5 / silber eloxiert.
- Montageplatte für Serien AW, AWN, und AWP.
- Geeignet für Montage von Leiterplatten, Netzteilen uvm.

Series AWC
Aluminium Mounting Plate

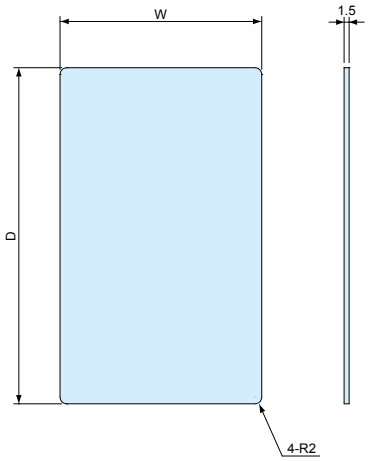
APPLICATION EXAMPLE



- Material: Aluminium A1050P t=1.5 / silver anodized
- Mounting plate for AW, AWN, and AWP series enclosures.
- Utilize for mounting PCB, power supply, terminal blocks, etc.

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. - Product no.	W	D	Passendes Gehäuse - Suitable enclosure
AWC 5- 7	38.9	49.2	AW • AWN 5-4-7
AWC 5- 9	38.9	69.2	AW • AWN 5-4-9
AWC 5-11	38.9	94.2	AW • AWN 5-4-11
AWC 5-14	38.9	119.2	AW • AWN 5-4-14
AWC 7- 8	47	64	AW • AWN • AWP 7-7-8
AWC 7-11	47	94	AW • AWN • AWP 7-7-11
AWC 7-15	47	134	AW • AWN • AWP 7-7-15
AWC 7-20	47	184	AW • AWN • AWP 7-7-20
AWC 7-25	47	234	AW • AWN • AWP 7-7-25
AWC 8- 9	61.8	74	AW • AWN • AWP 8-5-9
AWC 8-12	61.8	99	AW • AWN • AWP 8-5-12
AWC 8-14	61.8	124	AW • AWN • AWP 8-5-14
AWC 8-18	61.8	159	AW • AWN • AWP 8-5-18
AWC 9-10	66.5	81	AW • AWN • AWP 9-9-10
AWC 9-13	66.5	106	AW • AWN • AWP 9-9-13
AWC 9-17	66.5	151	AW • AWN • AWP 9-9-17
AWC 9-22	66.5	201	AW • AWN • AWP 9-9-22
AWC 9-28	66.5	256	AW • AWN • AWP 9-9-28
AWC11-11	86.5	90.6	AW • AWN • AWP11-6-11
AWC11-15	86.5	130.6	AW • AWN • AWP11-6-15
AWC11-19	86.5	170.6	AW • AWN • AWP11-6-19
AWC11-24	86.5	220.6	AW • AWN • AWP11-6-24
AWC12-11	100.2	85.6	AW • AWN • AWP12-8-11
AWC12-14	100.2	120.6	AW • AWN • AWP12-8-14
AWC12-17	100.2	160.1	AW • AWN • AWP12-8-17
AWC12-22	100.2	195.6	AW • AWN • AWP12-8-22
AWC16-14	136.3	115.6	AW • AWN • AWP16-9-14
AWC16-18	136.3	155.6	AW • AWN • AWP16-9-18
AWC16-23	136.3	205.6	AW • AWN • AWP16-9-23
AWC16-28	136.3	255.6	AW • AWN • AWP16-9-28
AWC21-17	186.1	147.8	AW • AWN • AWP21-9-17
AWC21-21	186.1	187.8	AW • AWN • AWP21-9-21
AWC21-26	186.1	237.8	AW • AWN • AWP21-9-26
AWC21-31	186.1	287.8	AW • AWN • AWP21-9-31

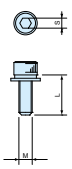


Serie HCS
Innensechskantschraube

- Innensechskantschraube zur Befestigung der Deckelplatten.
- Manipulationssicher und schlichtes Design.

Series HCS
Hexagon Socket Head Screw

- Hexagon socket head screws for fastening the end panels of AW and AWN enclosures.
- Utilize for tamper-resistance functionality or for an elegant sleek look.



Best-Nr. / Maße - Product no. / Dimensions

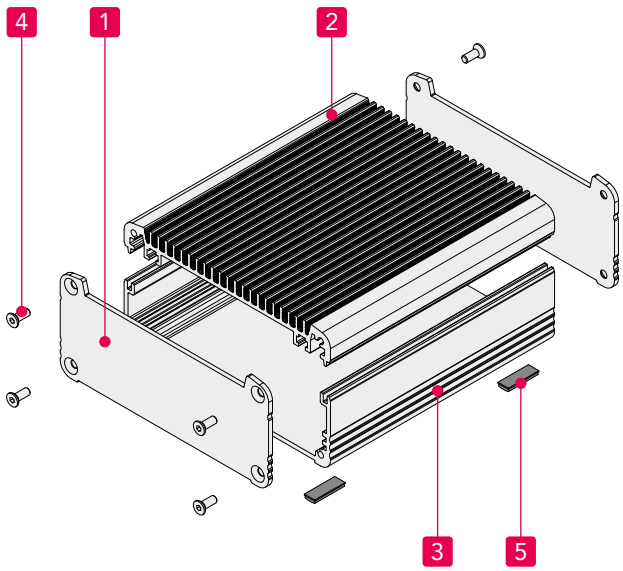
Best-Nr. Product no.	M	L	S	Material	VPE Pack of
HCS3-12S	3	12	2.5	Edelstahl	8
HCS3-12S	3	12	2.5	Stainless steel	8
HCS4-12S	4	12	3	Edelstahl	8
HCS4-12S	4	12	3	Stainless steel	8
HCS5-12S	5	12	4	Edelstahl	8
HCS5-12S	5	12	4	Stainless steel	8

Heat Resistant

Serie EXH
Kühlkörper Aluminium Gehäuse

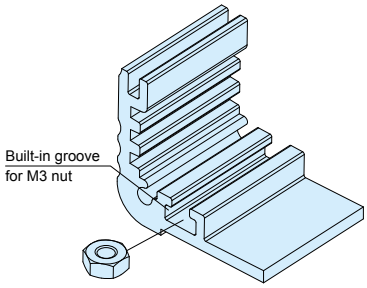
NEW SIZE

EXH Series
Heat-sink aluminium enclosure



- Aluminium Gehäuse mit hoch effizientem Kühlkörperdeckel.
- Geeignet als lüfterloser PC, Verstärkergehäuse oder Netzteilgehäuse.
- Verfügbar in 58 verschiedenen Größen und 4 Farbkombinationen.
- Integrierte Führungsnuten im Kühlkörperdeckel und Bodenprofil zur Aufnahme von M3 – Schiebemuttern.

- Aluminium enclosure equipped with a highly efficient heat-sink top cover.
- Suitable to be used as a fanless PC, power amplifier, power supply etc. where heat dissipation is required.
- Selectable in 58 different sizes and 4 different color combinations.
- Grooves are built into the heat-sink top cover and bottom frame for M3 nut insertion.



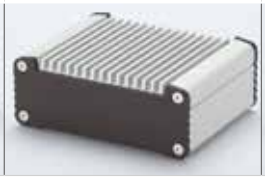
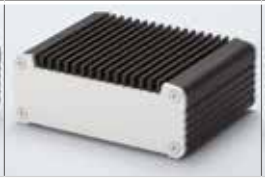
Komponenten

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatten	2	Aluminium A1050P	silber • schwarz / eloxiert
2	Kühlkörperdeckel	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
3	Bodenprofil	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
4	Schraube (Hexagonal)	8	Edelstahl	unbehandelt
5	Gummifüße	4	Polyurethan	schwarz

Components

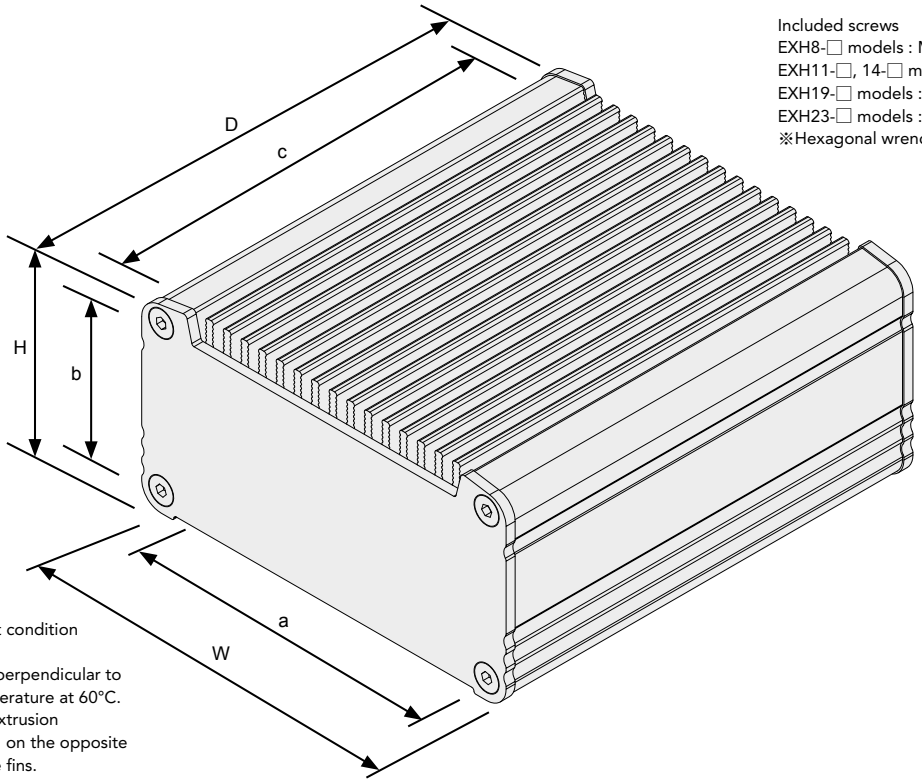
No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1050P	Silver • Black / Anodized
2	Heat-sink top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Bottom frame	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
4	Screw (Hexagonal)	8	Stainless steel	Unfinished
5	Rubber feet	4	Polyurethane	Black

Farbvarianten - Color Types

Farbcode Color code	S S silber / silber S S Silver / Silver	S B silber / schwarz S B Silver / Black	B S schwarz / silber B S Black / Silver	B B schwarz / schwarz B B Black / Black
Farbe Color				

EXH Maße

EXH dimensions



Included screws
EXH8-□ models : M2.5-8 x 8 pcs
EXH11-□, 14-□ models : M3-8 x 8 pcs
EXH19-□ models : M4-10 x 8 pcs
EXH23-□ models : M5-10 x 8 pcs
※Hexagonal wrench included.

※Thermal resistance test condition
- Ambient air cooling
- Heat-sink fins are set perpendicular to the ground with temperature at 60°C.
- Anodized aluminum extrusion
- Heat source is applied on the opposite side (inner side) of the fins.

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

Best.-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	Maße - External dimensions			Maße - Internal dimensions			※Thermal resistance rate (°C/W)
	W	H	D	a	b	c	
EXH 8-3- 6□□	80.6	30.7	60	69.6	20.3	56	7.32
EXH 8-3- 9□□	80.6	30.7	90	69.6	20.3	86	5.65
EXH 8-3-12□□	80.6	30.7	120	69.6	20.3	116	4.72
EXH 8-4- 6□□	80.6	40.7	60	69.6	30.3	56	7.32
EXH 8-4- 9□□	80.6	40.7	90	69.6	30.3	86	5.65
EXH 8-4-12□□	80.6	40.7	120	69.6	30.3	116	4.72
EXH 8-6- 6□□	80.6	55.7	60	69.6	45.3	56	7.32
EXH 8-6- 9□□	80.6	55.7	90	69.6	45.3	86	5.65
EXH 8-6-12□□	80.6	55.7	120	69.6	45.3	116	4.72
EXH11-3- 8□□	106	31.1	78	94.6	19.3	74	4.82
EXH11-3-12□□	106	31.1	118	94.6	19.3	114	3.72
EXH11-3-16□□	106	31.1	164	94.6	19.3	160	3.03
EXH11-5- 8□□	106	46.1	78	94.6	34.3	74	4.82
EXH11-5-12□□	106	46.1	118	94.6	34.3	114	3.72
EXH11-5-16□□	106	46.1	164	94.6	34.3	160	3.03
EXH11-6- 8□□	106	61.1	78	94.6	49.3	74	4.82
EXH11-6-12□□	106	61.1	118	94.6	49.3	114	3.72
EXH11-6-16□□	106	61.1	164	94.6	49.3	160	3.03
EXH14-4-10□□	141	36.1	97	129.6	24.3	93	3.4
EXH14-4-14□□	141	36.1	137	129.6	24.3	133	2.75
EXH14-4-19□□	141	36.1	187	129.6	24.3	183	2.27
EXH14-5-10□□	141	51.1	97	129.6	39.3	93	3.4
EXH14-5-14□□	141	51.1	137	129.6	39.3	133	2.75
EXH14-5-19□□	141	51.1	187	129.6	39.3	183	2.27
EXH14-7-10□□	141	71.1	97	129.6	59.3	93	3.4
EXH14-7-14□□	141	71.1	137	129.6	59.3	133	2.75
EXH14-7-19□□	141	71.1	187	129.6	59.3	183	2.27
EXH14-9-10□□	141	91.1	97	129.6	79.3	93	3.4
EXH14-9-14□□	141	91.1	137	129.6	79.3	133	2.75
EXH14-9-19□□	141	91.1	187	129.6	79.3	183	2.27

Best-Nr. Product no.	Maße - External dimensions			Maße - Internal dimensions			※Thermal resistance rate (°C/W)
	W	H	D	a	b	c	
NEW EXH19- 4-13□□	186.5	43.5	125	170	26.85	120	1.92
NEW EXH19- 4-18□□	186.5	43.5	177	170	26.85	172	1.56
NEW EXH19- 4-23□□	186.5	43.5	230	170	26.85	225	1.32
NEW EXH19- 4-29□□	186.5	43.5	285	170	26.85	280	1.15
NEW EXH19- 6-13□□	186.5	61.5	125	170	44.85	120	1.92
NEW EXH19- 6-18□□	186.5	61.5	177	170	44.85	172	1.56
NEW EXH19- 6-23□□	186.5	61.5	230	170	44.85	225	1.32
NEW EXH19- 6-29□□	186.5	61.5	285	170	44.85	280	1.15
NEW EXH19- 8-13□□	186.5	81.5	125	170	64.85	120	1.92
NEW EXH19- 8-18□□	186.5	81.5	177	170	64.85	172	1.56
NEW EXH19- 8-23□□	186.5	81.5	230	170	64.85	225	1.32
NEW EXH19- 8-29□□	186.5	81.5	285	170	64.85	280	1.15
NEW EXH19-11-13□□	186.5	106.5	125	170	89.85	120	1.92
NEW EXH19-11-18□□	186.5	106.5	177	170	89.85	172	1.56
NEW EXH19-11-23□□	186.5	106.5	230	170	89.85	225	1.32
NEW EXH19-11-29□□	186.5	106.5	285	170	89.85	280	1.15
NEW EXH23- 5-15□□	232	52	153	215	34.85	147	1.47
NEW EXH23- 5-21□□	232	52	213	215	34.85	207	1.2
NEW EXH23- 5-27□□	232	52	273	215	34.85	267	1.03
NEW EXH23- 5-33□□	232	52	333	215	34.85	327	0.91
NEW EXH23- 8-15□□	232	77	153	215	59.85	147	1.47
NEW EXH23- 8-21□□	232	77	213	215	59.85	207	1.2
NEW EXH23- 8-27□□	232	77	273	215	59.85	267	1.03
NEW EXH23- 8-33□□	232	77	333	215	59.85	327	0.91
NEW EXH23-10-15□□	232	102	153	215	84.85	147	1.47
NEW EXH23-10-21□□	232	102	213	215	84.85	207	1.2
NEW EXH23-10-27□□	232	102	273	215	84.85	267	1.03
NEW EXH23-10-33□□	232	102	333	215	84.85	327	0.91

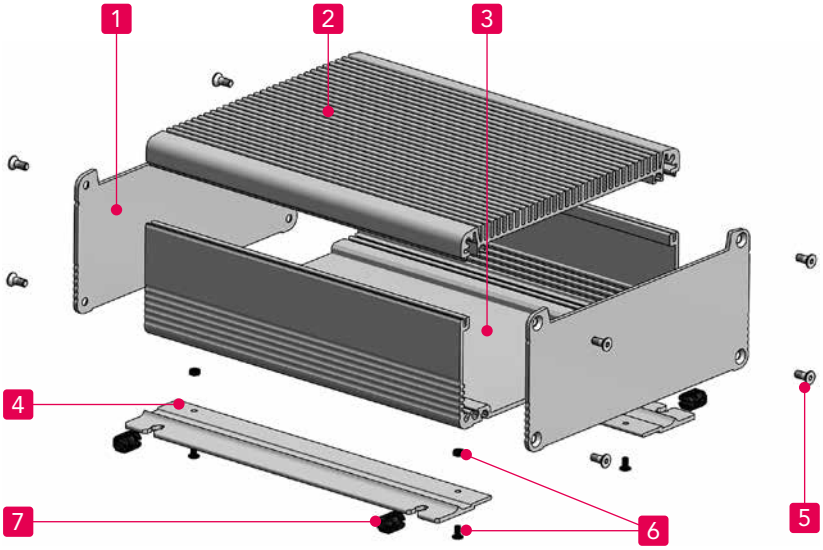
■ Sonderlängen verfügbar. - ■ Custom length available.

Serie EXHF
Aluminiumgehäuse mit Montageflansch

NEW

EXHF Series
Flanged Heat-Sink Aluminium Enclosure

Heat Resistant



- Ausgestattet mit Montageflansch für einfache Wandmontage.
- Hocheffizienter Aluminium-Kühlkörperdeckel.
- Geeignet für Anwendungen von lüfterlosen PC, Verstärkergehäuse uvm. für eine passive Kühlung.
- Verfügbar in 28 verschiedenen Größen und 4 verschiedenen Farbvarianten.

- Equipped with flanged bracket for easy wall mounting.
- Enclosure equipped with a highly efficient heat-sink top cover.
- Suitable to be used as a fanless PC, amplifier, power supply etc. where heat dissipation is required.
- Available in 28 different sizes and 4 different color combinations.

Komponenten

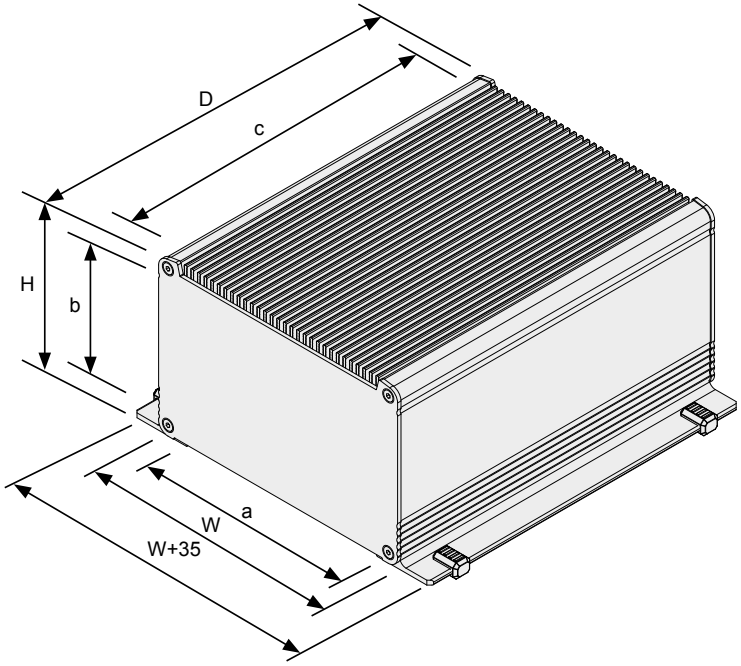
Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatte	2	Aluminium A1050P	silber • schwarz / eloxiert
2	Kühlkörperdeckel	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
3	Bodenprofil	1	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
4	Montageflansch	2	Aluminiumprofil A6063S-T5	silber • schwarz / eloxiert
5	Frontplattenschraube (Hexagonal)	8	Edelstahl	unbehandelt
6	Schraube für Montagewinkel	4	Stahl	schwarz chromatiert
7	Gummifuß	4	Silikon	schwarz

Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1050P	Silver • Black / Anodized
2	Heat-sink top cover	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
3	Bottom frame	1	Extruded aluminium A6063S-T5	Silver • Black / Anodized
4	Flange bracket	2	Extruded aluminium A6063S-T5	Silver • Black / Anodized
5	Panel screw (Hexagonal)	8	Stainless steel	Unfinished
6	Flange screw	4	Steel	Trivalent chromate
7	Rubber feet	4	Silicone	Black

Farbcode - Color Type

Code	S S silber / silber S S silver / silver	S B silber / schwarz S B silver / black	B S schwarz / Silber B S black / silver	B B schwarz / schwarz B B black / black
Farbe Color				



Included screws
EXHF19-□ models : M4-10 x 8 pcs
EXHF23-□ models : M5-10 x 8 pcs
※Hexagonal wrench included.

※Thermal resistance test condition
- Ambient air cooling
- Heat-sink fins are set perpendicular to the ground with temperature at 60°C.
- Anodized aluminum extrusion
- Heat source is applied on the opposite side (inner side) of the fins.

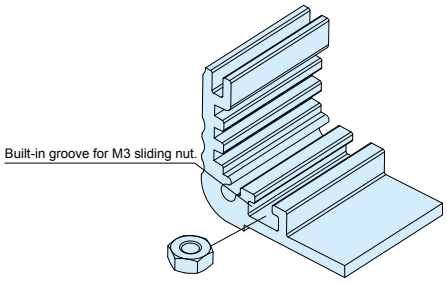
Best.-Nr. / Maße - Product no. / Dimensions

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

Best-Nr. Product no.	Maße - External dimensions			Maße - Internal dimensions			※Thermal resistance rate (°C/W)
	W	H	D	a	b	c	
NEW EXHF19- 4-13□□	186.5	45.25	125	170	26.85	120	1.92
NEW EXHF19- 4-18□□	186.5	45.25	177	170	26.85	172	1.56
NEW EXHF19- 4-23□□	186.5	45.25	230	170	26.85	225	1.32
NEW EXHF19- 4-29□□	186.5	45.25	285	170	26.85	280	1.15
NEW EXHF19- 6-13□□	186.5	63.25	125	170	44.85	120	1.92
NEW EXHF19- 6-18□□	186.5	63.25	177	170	44.85	172	1.56
NEW EXHF19- 6-23□□	186.5	63.25	230	170	44.85	225	1.32
NEW EXHF19- 6-29□□	186.5	63.25	285	170	44.85	280	1.15
NEW EXHF19- 8-13□□	186.5	83.25	125	170	64.85	120	1.92
NEW EXHF19- 8-18□□	186.5	83.25	177	170	64.85	172	1.56
NEW EXHF19- 8-23□□	186.5	83.25	230	170	64.85	225	1.32
NEW EXHF19- 8-29□□	186.5	83.25	285	170	64.85	280	1.15
NEW EXHF19-11-13□□	186.5	108.25	125	170	89.85	120	1.92
NEW EXHF19-11-18□□	186.5	108.25	177	170	89.85	172	1.56
NEW EXHF19-11-23□□	186.5	108.25	230	170	89.85	225	1.32
NEW EXHF19-11-29□□	186.5	108.25	285	170	89.85	280	1.15
NEW EXHF23- 5-15□□	232	53.5	153	215	34.85	147	1.47
NEW EXHF23- 5-21□□	232	53.5	213	215	34.85	207	1.2
NEW EXHF23- 5-27□□	232	53.5	273	215	34.85	267	1.03
NEW EXHF23- 5-33□□	232	53.5	333	215	34.85	327	0.91
NEW EXHF23- 8-15□□	232	78.5	153	215	59.85	147	1.47
NEW EXHF23- 8-21□□	232	78.5	213	215	59.85	207	1.2
NEW EXHF23- 8-27□□	232	78.5	273	215	59.85	267	1.03
NEW EXHF23- 8-33□□	232	78.5	333	215	59.85	327	0.91
NEW EXHF23-10-15□□	232	103.5	153	215	84.85	147	1.47
NEW EXHF23-10-21□□	232	103.5	213	215	84.85	207	1.2
NEW EXHF23-10-27□□	232	103.5	273	215	84.85	267	1.03
NEW EXHF23-10-33□□	232	103.5	333	215	84.85	327	0.91

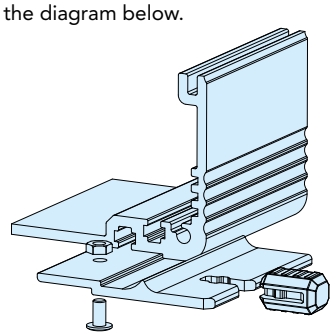
■ Einschiebenut für M3 Schiebemutter in Deckel- und Bodenprofil (ab 140 mm Breite).

■ Grooves for M3 sliding nut are found on the heat-sink top cover and bottom frame (140mm or wider).



■ Montagewinkel bitte wie in der Abbildung montieren.

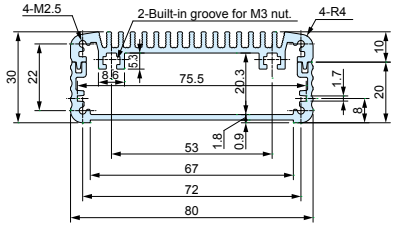
■ Flange bracket is installed as per the diagram below.



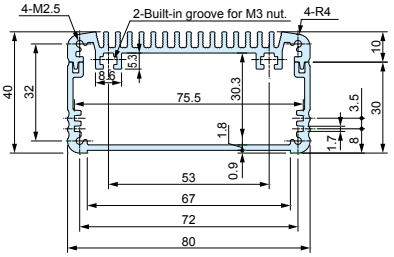
Serie EXH - EXHF
Kühlkörper Ober-/ Unterschale

EXH - EXHF Series
Heat-sink top cover / bottom frame

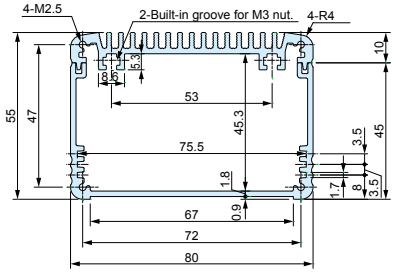
EXH8-3-□



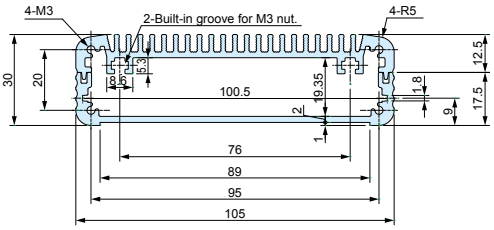
EXH8-4-□



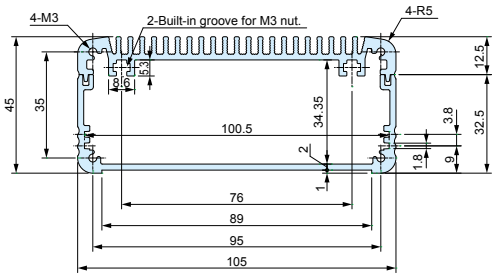
EXH8-6-□



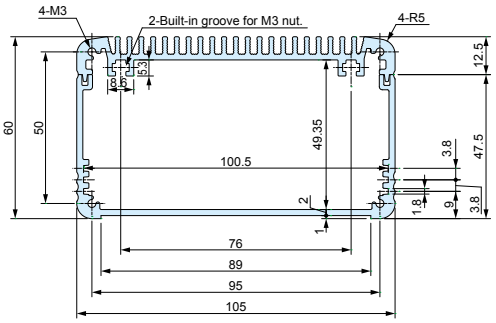
EXH11-3-□



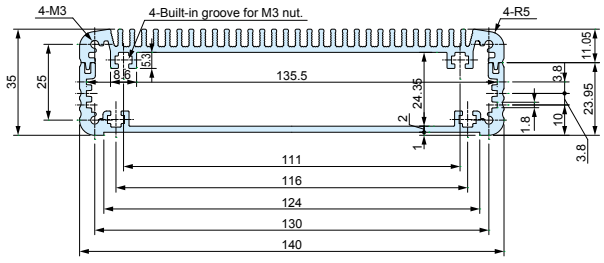
EXH11-5-□



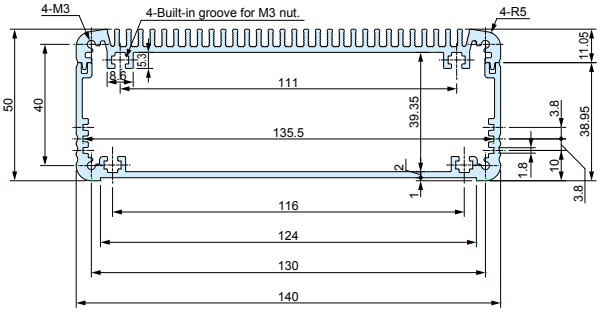
EXH11-6-□



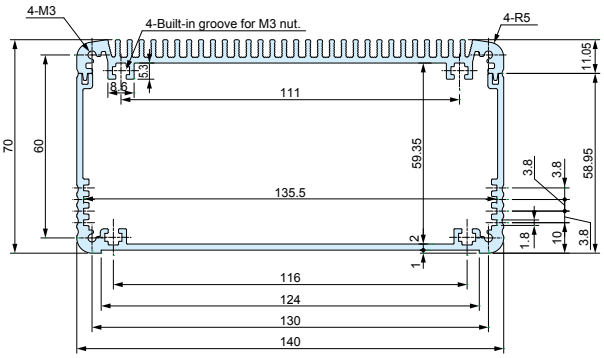
EXH14-4-□



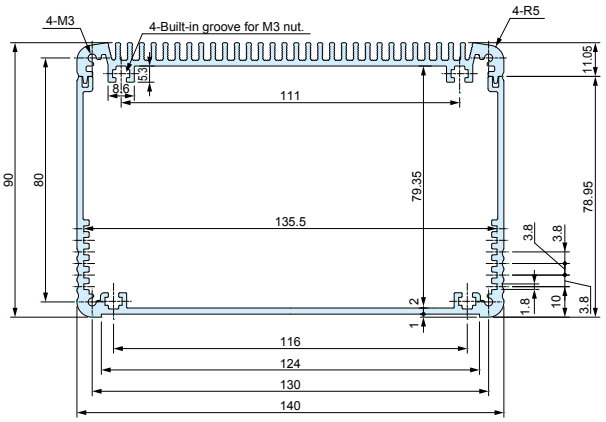
EXH14-5-□



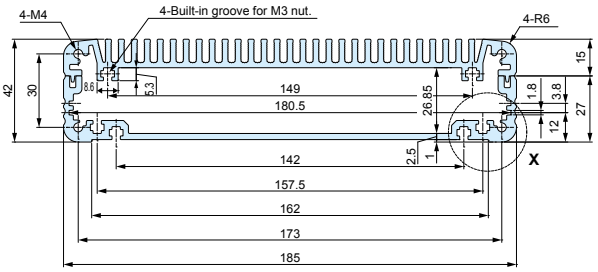
EXH14-7-□



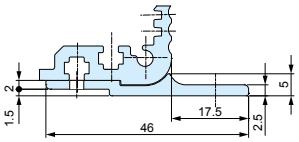
EXH14-9-□



EXH • EXHF19-4-□

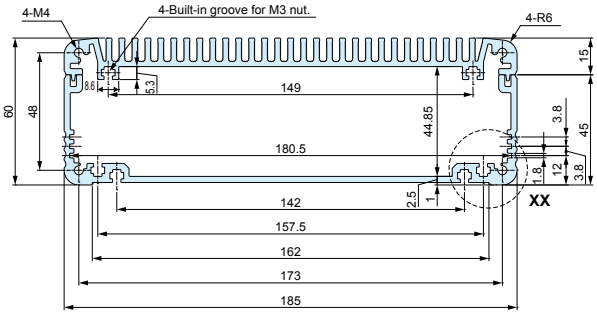


Flange bracket dimensions for EXHF series.

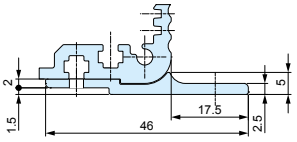


detail **X**
(enlarged)

EXH • EXHF19-6-□

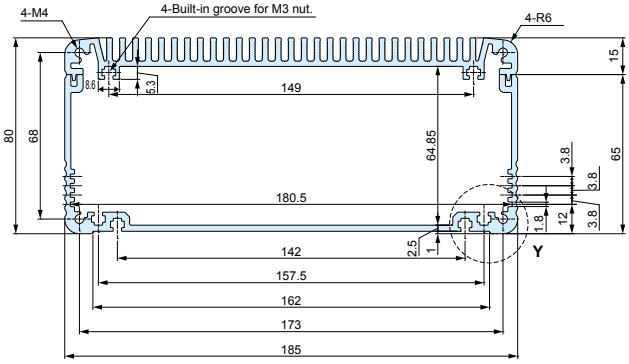


Flange bracket dimensions for EXHF series.

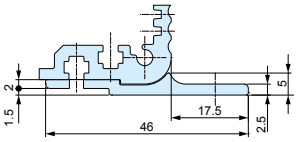


detail **XX**
(enlarged)

EXH • EXHF19-8-□

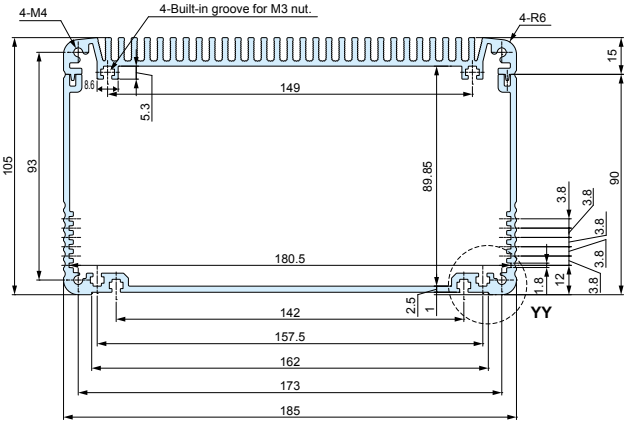


Flange bracket dimensions for EXHF series.

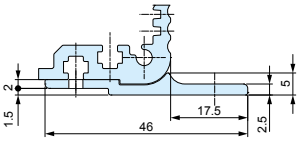


detail **Y**
(enlarged)

EXH • EXHF19-11-□



Flange bracket dimensions for EXHF series.

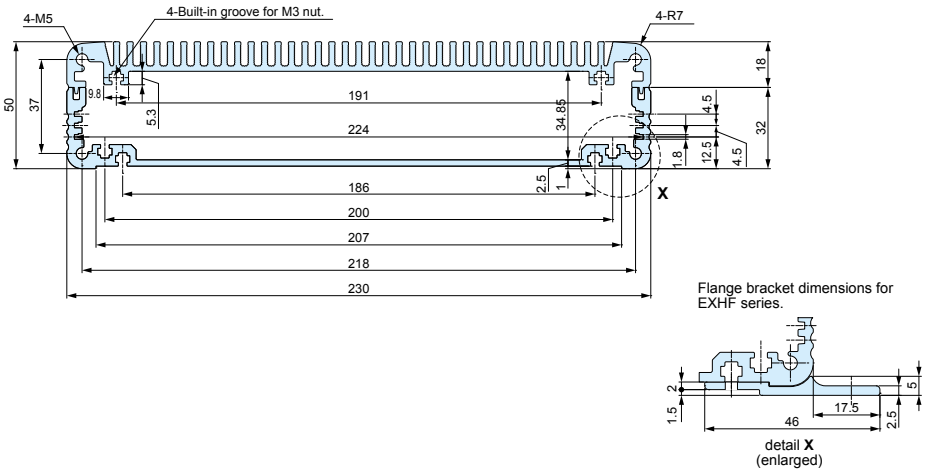


detail **YY**
(enlarged)

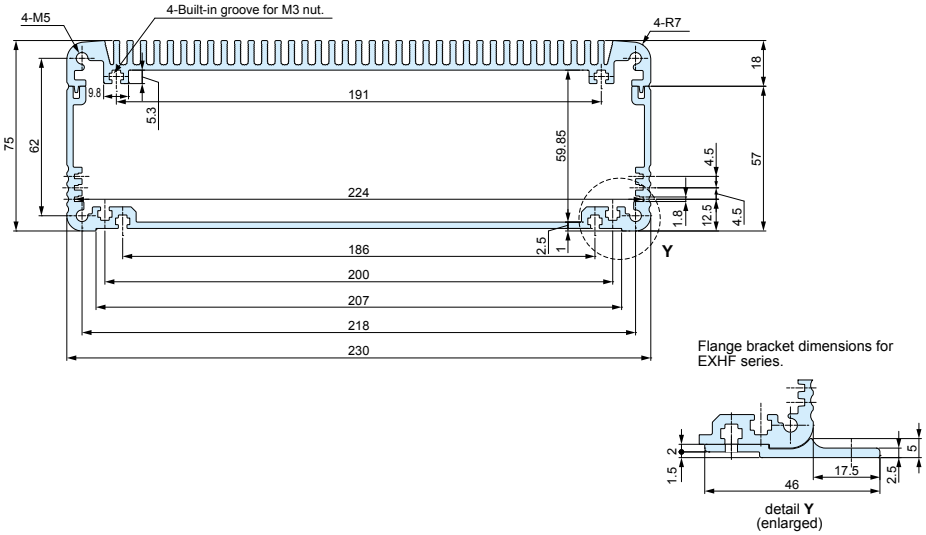
Serie EXH - EXHF
Kühlkörper Ober-/ Unterschale

EXH - EXHF Series
Heat-sink top cover / bottom frame

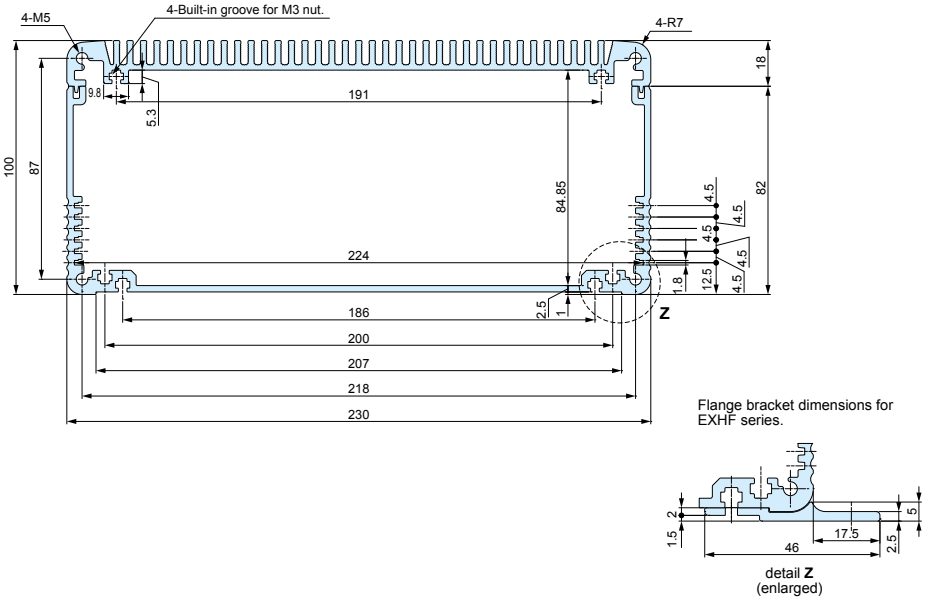
EXH • EXHF23-5-□



EXH • EXHF23-8-□



EXH • EXHF23-10-□

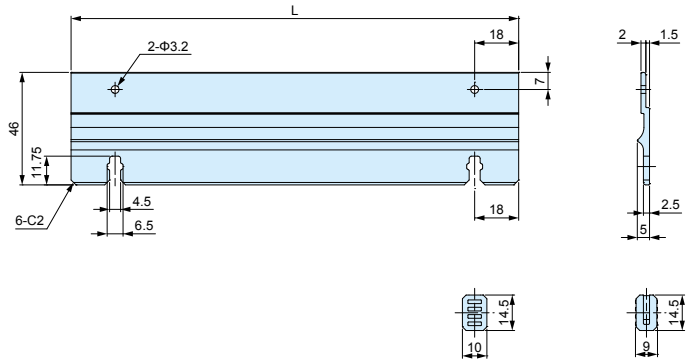


Wand-Montagewinkel
für EX - EXH

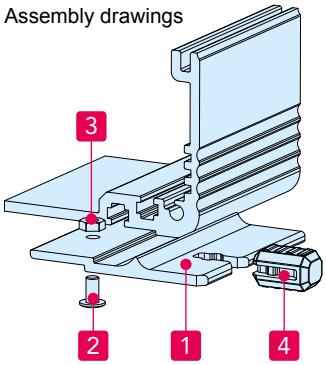
Wall Mountain Bracket
for EX - EXH

- Wandmontagewinkel für Serien EX • EXH.
- Einfache Montage durch Einsetzen der Mutter in das EX • EXH Bodenprofil.
- Gummieinsätze können bei der Wandmontage in die Ausbrüche des Montageflansches eingesetzt werden.

- Wall mounting bracket for EX • EXH series.
  Applicable only for width 185 and 225mm bottom covers.
- Easy installation by inserting the nuts into built-in grooves on EX • EXH bottom cover.
- Rubber feet are included to mask the mounting cutouts when not used for wall mounting.



Assembly drawings



Komponenten - Components

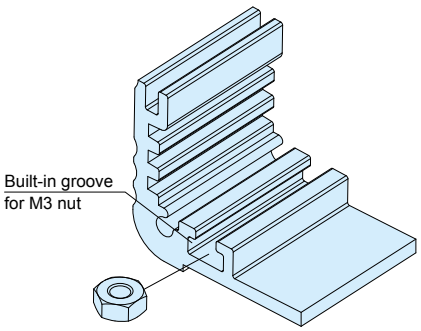
No.	Bezeichnung - Part name	Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Montagewinkel - Bracket	2	Aluminiumprofil - Extruded aluminium A6063S-T5	silber • schwarz / eloxiert - Silver • Black / Anodized
2	Schraube - Screw	4	Stahl - Steel M3-6	schwarz chromatiert - Black trivalent chromate
3	Mutter - Nut	4	Stahl - Steel	schwarz chromatiert - Black trivalent chromate
4	Gummifuß - Rubber feet	4	Silikon - Silicone	schwarz - Black

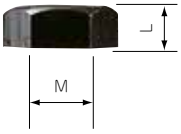
Best-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.		L	geeignetes Gehäuse Suitable enclosure
○ silber - Silver	● schwarz - Black		
NEW EF19-13S	NEW EF19-13B	119.5	EX • EXH19-○-13□□
NEW EF19-18S	NEW EF19-18B	171.5	EX • EXH19-○-18□□
NEW EF19-23S	NEW EF19-23B	224.5	EX • EXH19-○-23□□
NEW EF19-29S	NEW EF19-29B	279.5	EX • EXH19-○-29□□
NEW EF23-15S	NEW EF23-15B	146.5	EX • EXH23-○-15□□
NEW EF23-21S	NEW EF23-21B	206.5	EX • EXH23-○-21□□
NEW EF23-27S	NEW EF23-27B	266.5	EX • EXH23-○-27□□
NEW EF23-33S	NEW EF23-33B	326.5	EX • EXH23-○-33□□

MT-3N Zubehör (optional erhältlich)
Schiebemutter für EXH

MT-3N Accessories (optional parts)
Sliding nut for EXH





Bestellnummer / Maße
Product no. / Dimensions

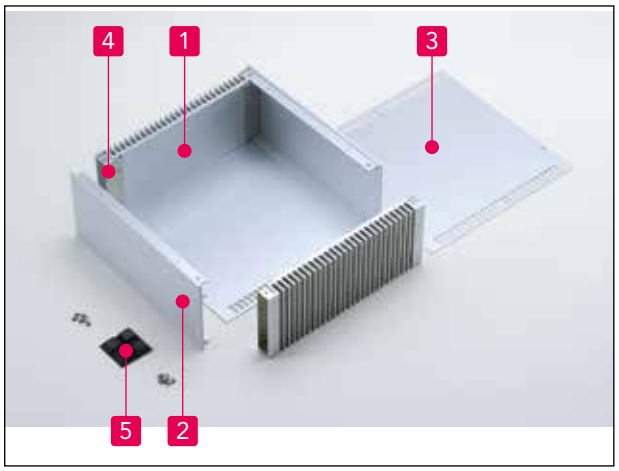
Best-Nr. Product no.	M	L	Material	Oberfläche Finish	Verpackungseinheit Pack of
MT-3N	3	2.4	Stahl	Schwarz chromatiert	50
MT-3N	3	2.4	Steel	Black trivalent chromate	50

- Schiebemutter kann für alle EXH Kühlkörperdeckel und EXH14 Bodenprofile eingesetzt werden.
- Sliding nut can be used on all EXH heat-sink top covers and EXH14 bottom frames.

Heat Resistant

Serie HY Kühlkörpergehäuse

Series HY heat sink enclosure



Eigenschaften

- Elegantes Kühlkörpergehäuse mit edler Oberfläche.
- Gute Kühleigenschaften durch Kühlkörperseiten.
- Verfügbar in 56 Größen und 2 unterschiedlichen Farben.
- Robuste Konstruktionen durch Aluminiumprofile.
- Einfach zu montieren.
- Kühlkörper ermöglichen eine gute Wärmeabfuhr.

Features

- Stylish and elegantly designed with a hairline finish.
- Excellent cooling performance with the heat-sink side plates.
- Now available in 56 sizes, and 2 different colors.
- Tough and robust enclosure from using aluminium extrusion parts.
- Simple and easy to assemble construction.
- Flat back heat-sink plates for more effective heat spreading.

Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Kühlkörperseitenwand	2	Aluminiumprofil A6063S-T5	Silber • Schwarz / eloxiert
2	Frontplatte	2	Aluminiumprofil A6063S-T5	Silber • Schwarz / gebürstet und eloxiert
3	Deck- • Bodenblech	2	Aluminium A1050P t=2.0	Silber • Schwarz / gebürstet und eloxiert
4	Eckverbinder	4	Stahl SPCC t=1.6	Schwarz verchromt
5	Gummifüße	4	Polyurethan	Schwarz
-	Schrauben	1 Satz	Stahl M3	Vernickelt · Schwarz verchromt

Components

No.	Part name	Pcs	Material	Color / Finish
1	Heat-sink side plate	2	Extruded aluminium A6063S-T5	Silver • Black / Anodized
2	Panel	2	Extruded aluminium A6063S-T5	Silver • Black / Hairline brushed & Anodized
3	Top • Bottom cover	2	Aluminium A1050P t=2.0	Silver • Black / Hairline brushed & Anodized
4	Corner support	4	Steel SPCC t=1.6	Trivalent chromate
5	Rubber feet	4	Polyurethane	Black
-	Screw	1 set	Steel M3	Nickel plated · Black trivalent chromate

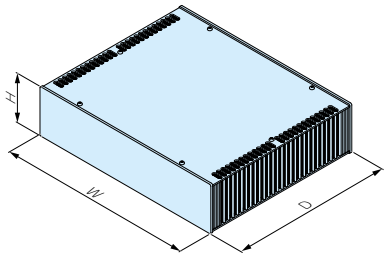
Zubehör (optional erhältlich) - Accessories (optional parts)

Montageplatte
Mounting plate
HYC series

Montagewinkel
L-bracket
HYCL series

Aluminiumfüße
Aluminium isolation feet
AFS • AFM series

Torxschraube für Deck-/ und Bodenblech
TORX screw - for top / bottom cover
MR3-5Z series

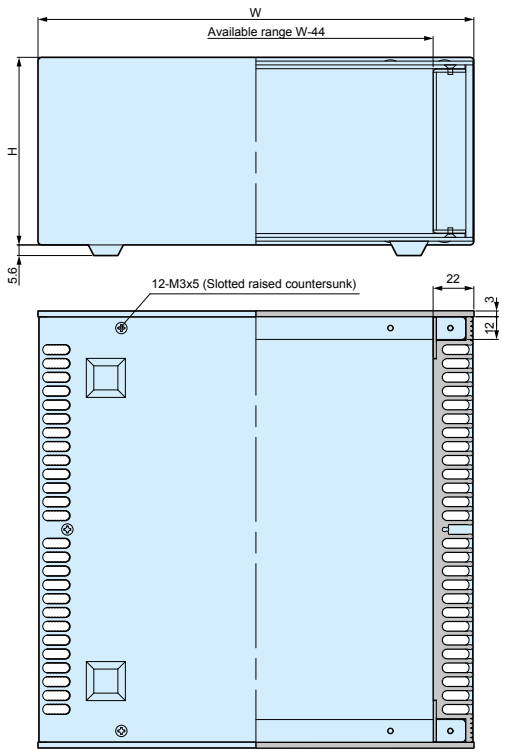


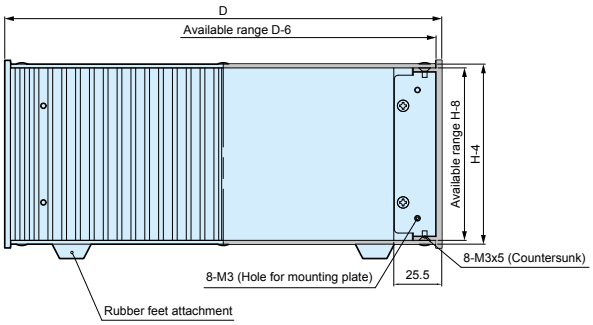
Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. - Product no.				W	H	D	Gewicht (kg) Weight (kg)
○ Silber - Silver		● Schwarz - Black					
NEW	HY 44-23-23SS	NEW	HY 44-23-23BB	230	44	231	1.1
NEW	HY 44-23-33SS	NEW	HY 44-23-33BB	230	44	330	1.6
NEW	HY 44-28-23SS	NEW	HY 44-28-23BB	280	44	231	1.4
NEW	HY 44-28-33SS	NEW	HY 44-28-33BB	280	44	330	1.9
NEW	HY 44-33-23SS	NEW	HY 44-33-23BB	330	44	231	1.5
NEW	HY 44-33-33SS	NEW	HY 44-33-33BB	330	44	330	2.2
NEW	HY 44-43-23SS	NEW	HY 44-43-23BB	430	44	231	1.9
NEW	HY 44-43-33SS	NEW	HY 44-43-33BB	430	44	330	2.6
	HY 70-23-23SS		HY 70-23-23BB	230	70	231	1.6
NEW	HY 70-23-33SS	NEW	HY 70-23-33BB	230	70	330	2.2
	HY 70-28-23SS		HY 70-28-23BB	280	70	231	1.8
NEW	HY 70-28-33SS	NEW	HY 70-28-33BB	280	70	330	2.5
	HY 70-33-23SS		HY 70-33-23BB	330	70	231	2.0
NEW	HY 70-33-33SS	NEW	HY 70-33-33BB	330	70	330	2.8
	HY 70-43-23SS		HY 70-43-23BB	430	70	231	2.3
NEW	HY 70-43-33SS	NEW	HY 70-43-33BB	430	70	330	3.2
	HY 88-23-23SS		HY 88-23-23BB	230	88	231	1.9
NEW	HY 88-23-33SS	NEW	HY 88-23-33BB	230	88	330	2.6
	HY 88-28-23SS		HY 88-28-23BB	280	88	231	2.1
NEW	HY 88-28-33SS	NEW	HY 88-28-33BB	280	88	330	2.8
	HY 88-33-23SS		HY 88-33-23BB	330	88	231	2.3
NEW	HY 88-33-33SS	NEW	HY 88-33-33BB	330	88	330	3.1
	HY 88-43-23SS		HY 88-43-23BB	430	88	231	2.7
NEW	HY 88-43-33SS	NEW	HY 88-43-33BB	430	88	330	3.6
	HY 99-23-23SS		HY 99-23-23BB	230	99	231	2.1
NEW	HY 99-23-33SS	NEW	HY 99-23-33BB	230	99	330	2.7
	HY 99-28-23SS		HY 99-28-23BB	280	99	231	2.3
NEW	HY 99-28-33SS	NEW	HY 99-28-33BB	280	99	330	3.1
	HY 99-33-23SS		HY 99-33-23BB	330	99	231	2.5
NEW	HY 99-33-33SS	NEW	HY 99-33-33BB	330	99	330	3.4
	HY 99-43-23SS		HY 99-43-23BB	430	99	231	2.9
NEW	HY 99-43-33SS	NEW	HY 99-43-33BB	430	99	330	3.9
	HY133-23-23SS		HY133-23-23BB	230	132.5	231	2.6
NEW	HY133-23-33SS	NEW	HY133-23-33BB	230	132.5	330	3.4
	HY133-28-23SS		HY133-28-23BB	280	132.5	231	2.8
NEW	HY133-28-33SS	NEW	HY133-28-33BB	280	132.5	330	3.8
	HY133-33-23SS		HY133-33-23BB	330	132.5	231	3.0
NEW	HY133-33-33SS	NEW	HY133-33-33BB	330	132.5	330	4.1
	HY133-43-23SS		HY133-43-23BB	430	132.5	231	3.5
NEW	HY133-43-33SS	NEW	HY133-43-33BB	430	132.5	330	4.7
	HY149-23-23SS		HY149-23-23BB	230	149	231	2.8
NEW	HY149-23-33SS	NEW	HY149-23-33BB	230	149	330	3.8
	HY149-28-23SS		HY149-28-23BB	280	149	231	3.1
NEW	HY149-28-33SS	NEW	HY149-28-33BB	280	149	330	4.2
	HY149-33-23SS		HY149-33-23BB	330	149	231	3.3
NEW	HY149-33-33SS	NEW	HY149-33-33BB	330	149	330	4.5
	HY149-43-23SS		HY149-43-23BB	430	149	231	3.8
NEW	HY149-43-33SS	NEW	HY149-43-33BB	430	149	330	5.1
NEW	HY177-23-23SS	NEW	HY177-23-23BB	230	177	231	3.4
NEW	HY177-23-33SS	NEW	HY177-23-33BB	230	177	330	4.5
NEW	HY177-28-23SS	NEW	HY177-28-23BB	280	177	231	3.6
NEW	HY177-28-33SS	NEW	HY177-28-33BB	280	177	330	4.8
NEW	HY177-33-23SS	NEW	HY177-33-23BB	330	177	231	3.9
NEW	HY177-33-33SS	NEW	HY177-33-33BB	330	177	330	5.2
NEW	HY177-43-23SS	NEW	HY177-43-23BB	430	177	231	4.5
NEW	HY177-43-33SS	NEW	HY177-43-33BB	430	177	330	5.8

HY Maße

HY dimensions





Verwendete Schrauben

BB Farbcode
M3-6 Senkkopfschraube, schwarz chrommatiert (16 Stück)
M3-5 Schlitzsenkkopfschraube, schwarz chromatiert (12 Stück)

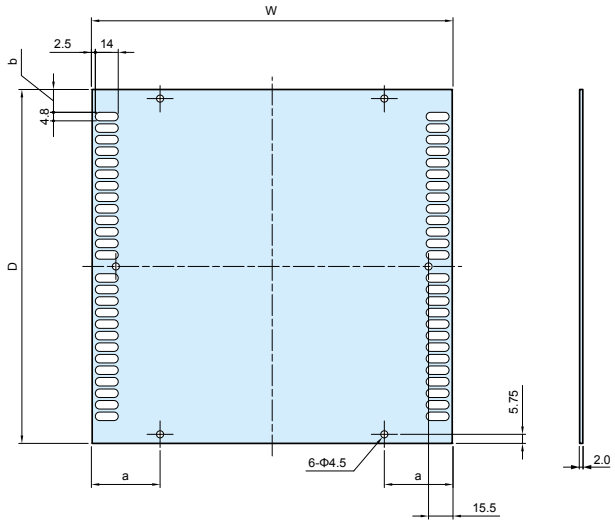
SS Farbcode
M3-6 Senkkopfschraube, vernickelt (16 Stück)
M3-5 Schlitzsenkkopfschraube, vernickelt (12 Stück)

Included screws

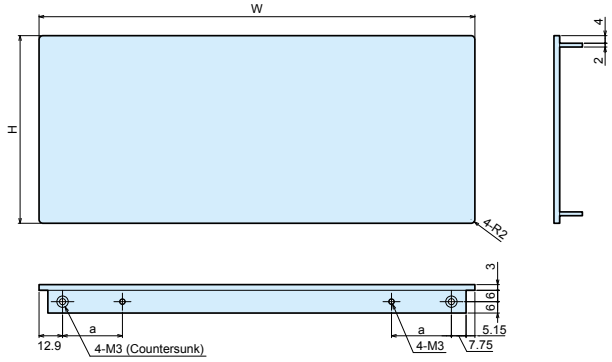
BB Color type
M3-6 countersunk screw, black trivalent chromate x 16 pcs
M3-5 slotted raised countersunk screw, black trivalent chromate x 12 pcs

SS Color type
M3-6 countersunk screw, nickel plated x 16 pcs
M3-5 slotted raised countersunk screw, nickel plated x 12 pcs

Einzelteilzeichnung - Component Parts Drawings
HY • HYR • HYRH Deck-Bodenblech - top / bottom cover



HY Front-Rückplatte und HYR• HYRH Rückplatte
HY front / rear panels & HYR • HYRH rear panel



Farbcode

Code	Material	Farbe / Oberfläche
SS	Aluminium	Silber / gebürstet und eloxiert
BB	Aluminium	Schwarz / gebürstet und eloxiert

Color Type

Code	Material	Color / Finish
SS	Aluminium	Silver / Hairline brushed & Anodized
BB	Aluminium	Black / Hairline brushed & Anodized

Maße - Dimensions

Gehäuse W x D Enclosure W x D	W	D	a	b
230 × 231	229	224.5	45.7	14.95
230 × 330	229	323.5	45.7	15.1
280 × 231	279	224.5	55.8	14.95
280 × 330	279	323.5	55.8	15.1
330 × 231	329	224.5	65.8	14.95
330 × 330	329	323.5	65.8	15.1
430 × 231	429	224.5	85.8	14.95
430 × 330	429	323.5	85.8	15.1

Farbcode

Code	Material	Farbe / Oberfläche
SS	Aluminiumprofil	Silber / gebürstet und eloxiert
BB	Aluminiumprofil	Schwarz / gebürstet und eloxiert

Color Type

Code	Material	Color / Finish
SS	Extruded aluminium	Silver / Hairline brushed & Anodized
BB	Extruded aluminium	Black / Hairline brushed & Anodized

Maße - Dimensions

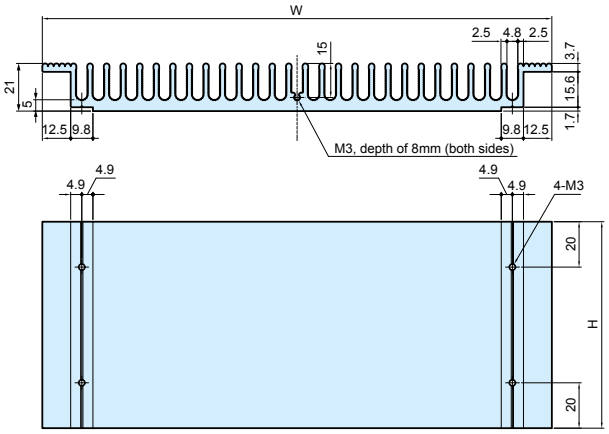
Gehäuse W Enclosure W	W W	a a	H(44) H(44)	H(70) H(70)	H(88) H(88)	H(99) H(99)	H(132.5) H(132.5)	H(149) H(149)	H(177) H(177)
230	230	33.3	44	70	88	99	132.5	149	177
280	280	43.4	44	70	88	99	132.5	149	177
330	330	53.4	44	70	88	99	132.5	149	177
430	430	73.4	44	70	88	99	132.5	149	177

HY Maße

HY dimensions

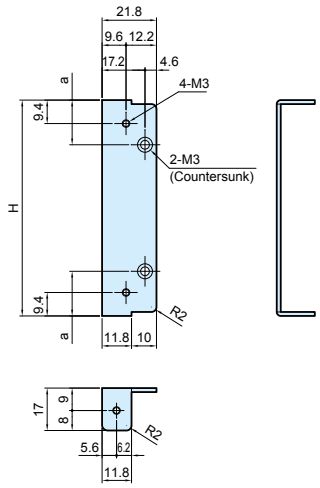
HY • HYR • HYRH Kühlkörper-Seitenwand

HY • HYR • HYRH heat-sink side plate



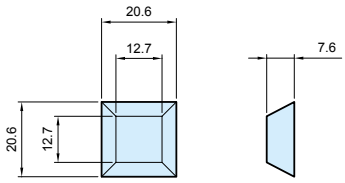
HY • HYR • HYRH Eckverbinder

HY • HYR • HYRH corner support



HY • HYR • HYRH Gummifüße

HY • HYR • HYRH rubber feet



Farbcode - Color Type

Code	Material	Farbe / Oberfläche - Color / Finish
SS	Extruded aluminium	Silber / eloxiert - Silver / Anodized
BB	Extruded aluminium	Schwarz / eloxiert - Black / Anodized

Maße - Dimensions

Gehäuse D x H Enclosure D x H	W	H	Wärmewiderstand (°C/W) Thermal resistance (°C/W)
231 × 44	224.6	36	2.41
330 × 44	323.6	36	1.89
231 × 70	224.6	62	1.49
330 × 70	323.6	62	1.36
231 × 88	224.6	80	1.49
330 × 88	323.6	80	1.17
231 × 99	224.6	91	1.38
330 × 99	323.6	91	1.08
231 × 132.5	224.6	124.5	1.14
330 × 132.5	323.6	124.5	0.89
231 × 149	224.6	141	1.06
330 × 149	323.6	141	0.83
231 × 177	224.6	169	0.95
330 × 177	323.6	169	0.74

- Wärmewiderstandsberechnung basiert auf senkrechten Kühlrippen mit einer Temperatur von 60°C.
- Thermal resistance calculation is based on the fins being perpendicular to the ground with temperature at 60°C.

Einzelteilinformation - Part Information

Bezeichnung Part name	Material	Oberfläche Finish
Eckverbinder	Stahl t=1.6	Chromatiert
Corner support	Steel t=1.6	Trivalent chromate

Maße - Dimensions

Gehäuse H Enclosure H	H	a
44	31.8	10.9
70	57.8	17.9
88	75.8	17.9
99	86.8	17.9
132.5	120.3	17.9
149	136.8	17.9
177	164.8	17.9

Einzelteilinformation - Part Information

Bezeichnung Part name	Material	Farbe Color
Gummifüße	Polyurethan	Schwarz
Rubber feet	Polyurethane	Black

Serie MR Schlitz-Senkkopf Torxschraube

Series MR slotted raised countersunk torx screw

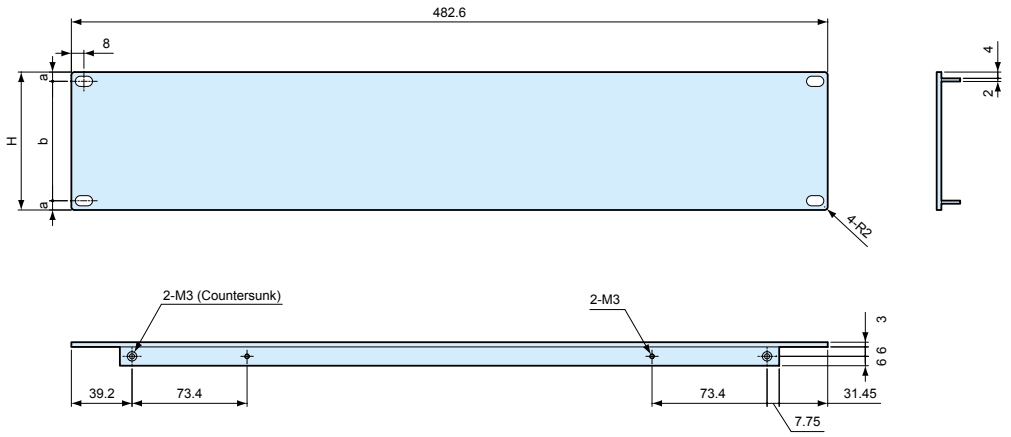
- Für Deck- und Bodenblech.
- Empfohlen für ansprechendes Design und gegen Manipulation.
- Benötigt einen speziellen Schraubendreher.

- For use with top/bottom cover.
- Recommended for aesthetic purposes or for tampering resistance.
- Requires the use of a specialized screwdriver.

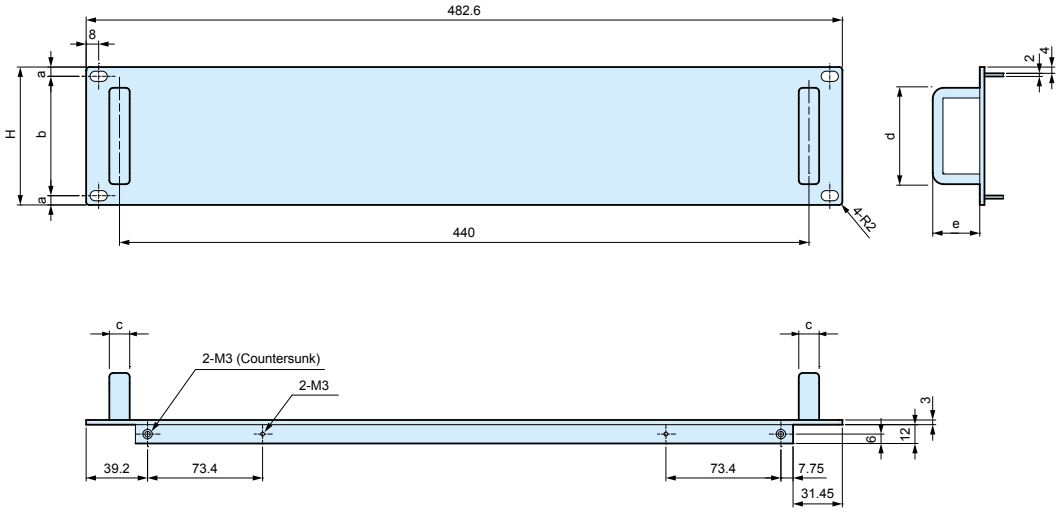
Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. / Product no.	M	L	TORX	Material	Farbe / Oberfläche - Color / Finish	VPE - Pack of
MR3-5ZS	3	5	T10	Stahl - Steel	vernickelt - Nickel plated	20
MR3-5ZB	3	5	T10	Stahl - Steel	Schwarz chromatiert - Black chromate	20

HYR Frontplatte HYR front panel



HYRH Frontplatte HYRH front panel



Farbcode

Code	Material	Farbe / Oberfläche
SS	Aluminiumprofil	Silber / gebürstet und eloxiert
BB	Aluminiumprofil	Schwarz / gebürstet und eloxiert

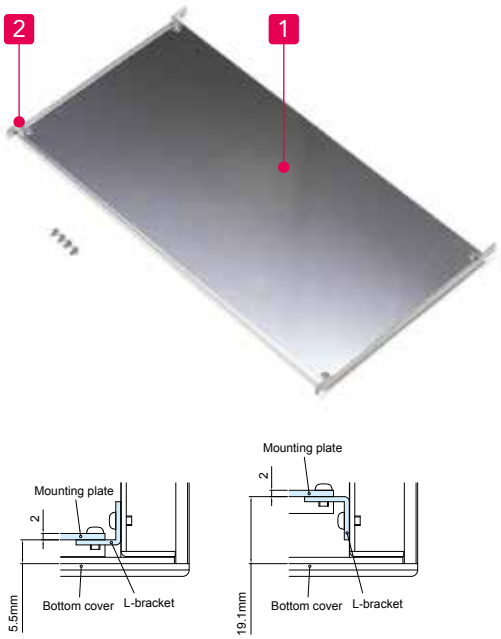
Color Type

Code	Material	Color / Finish
SS	Extruded aluminium	Silver / Hairline brushed & Anodized
BB	Extruded aluminium	Black / Hairline brushed & Anodized

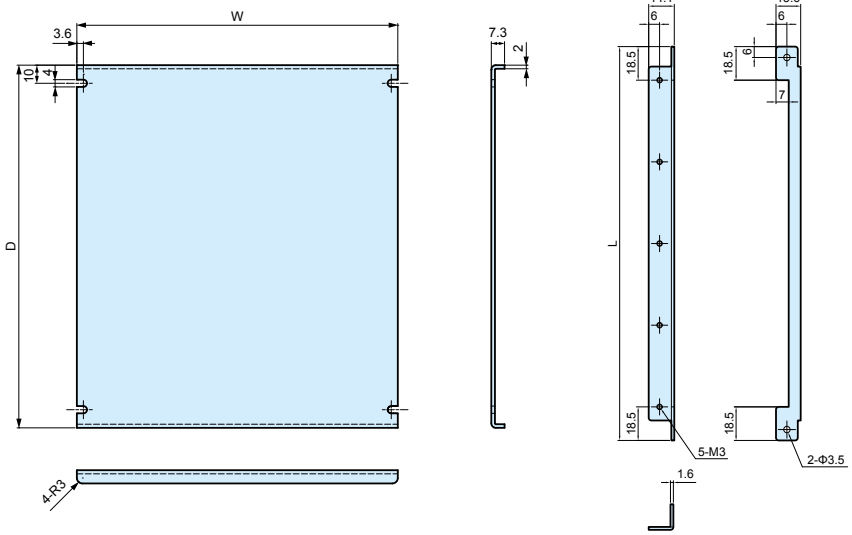
Best.-Nr. - Product no.	H	a	b	c	d	e
HYR/HYRH 44-43-23☐	44	6.1	31.8	12	41	40
HYR/HYRH 44-43-33☐	44	6.1	31.8	12	41	40
HYR/HYRH 88-43-23☐	88	5.9	76.2	13	61.5	30
HYR/HYRH 88-43-33☐	88	5.9	76.2	13	61.5	30
HYR/HYRH133-43-23☐	132.5	37.7	57.1	13	106.5	30
HYR/HYRH133-43-33☐	132.5	37.7	57.1	13	106.5	30
HYR/HYRH177-43-23☐	177	37.7	101.6	13	126.5	30
HYR/HYRH177-43-33☐	177	37.7	101.6	13	126.5	30

Series HYC Montageplatte für HY - HYR - HYRH

Series HYC mounting plate for HY - HYR - HYRH



- Montageplatte und Montagewinkel.
- Mounting plate and L-bracket set.



Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Montageplatte	1	Aluminium A1050P t=2.0	Unbehandelt
2	Montagewinkel	2	Stahl SPCC t=1.6	Chromatiert
-	Schrauben	1 Satz	Stahl M3	Chromatiert

Components

No.	Part name	Pcs	Material	Color / Finish
1	Mounting plate	1	Aluminium A1050P t=2.0	Unfinished
2	L-bracket	2	Steel SPCC t=1.6	Tivalent chromate
-	Screw	1 set	Steel M3	Tivalent chromate

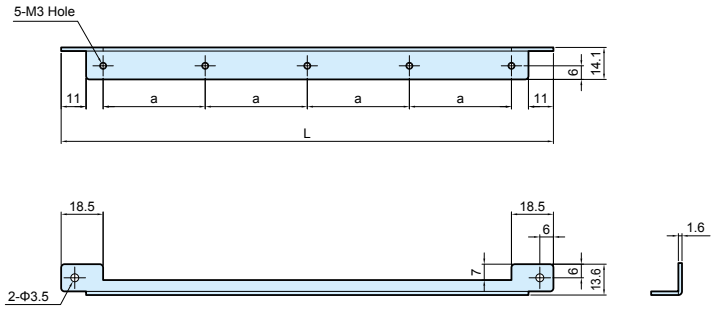
Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr. Product no.	W	D	L	Gehäuse D x W Enclosure D x W	Gewicht (g) Weight (g)
HYC23-23	177	200	217	231 × 230	300
HYC23-28	227	200	217	231 × 280	350
HYC23-33	277	200	217	231 × 330	410
HYC23-43	377	200	217	231 × 430	520
NEW HYC33-23	177	299	316	330 × 230	450
NEW HYC33-28	227	299	316	330 × 280	550
NEW HYC33-33	277	299	316	330 × 330	710
NEW HYC33-43	377	299	316	330 × 430	800

Einpressverbinder Service möglich.
Clinching stud customization service available.

Series HYCL Montagewinkel für HY - HYR - HYRH

Series HYCL L-bracket for HY - HYR - HYRH



- Montageplatte mit Schraubensatz.
- Einsetzbar mit originaler Montageplatte oder Leiterplatte.
- Simple L-bracket and screw set.
- Use with your original mounting plate or PCB.

Einzelteile

Nr.	Bezeichnung	Material	Farbe / Oberfläche
1	Montagewinkel	Stahl t=1.6	Chromatiert
2	Schrauben	Stahl M3	Chromatiert

Components

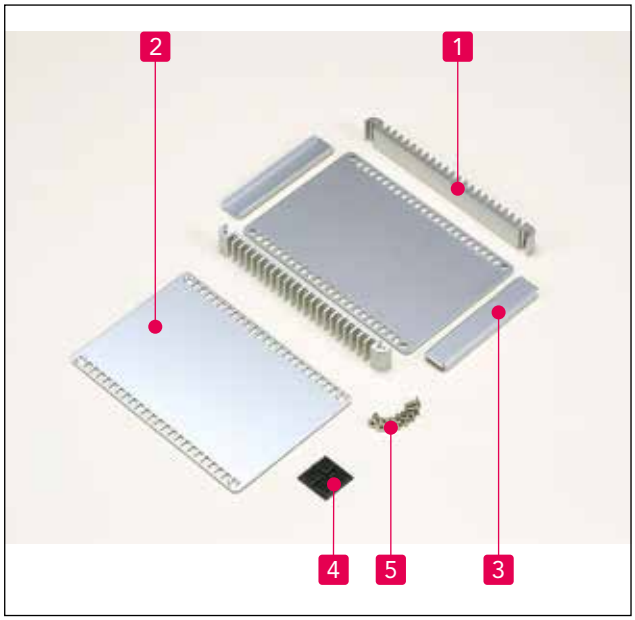
No.	Part name	Material	Color / Finish
1	L-bracket	Steel t=1.6	Tivalent chromate
2	Screw	Steel M3	Tivalent chromate

Best.-Nr. / Maße - Product no. / Dimensions

Best.-Nr - Product no.	L	a	b	VPE - Pack of
HYCL-23	217	45	5	2
NEW HYCL-33	316	46.5	7	2

Serie HIT
Kühlkörpergehäuse

Series HIT heat-sink aluminium case

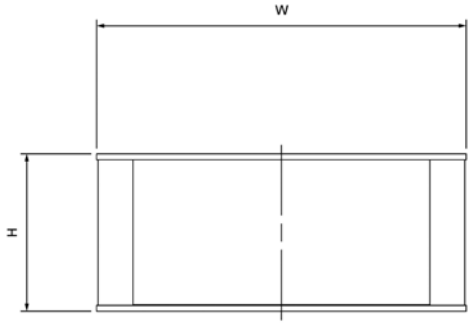


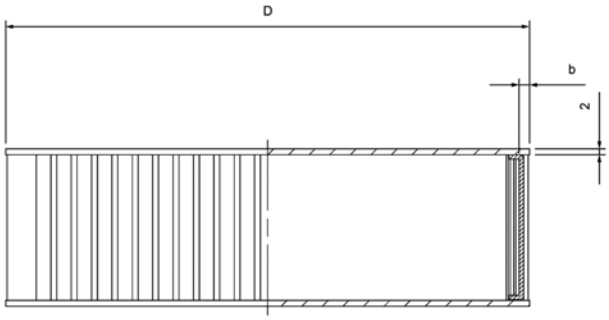
Eigenschaften
- Kühlkörper - Seitenwand aus Strangpressprofil.
- Verfügbar in 12 Größen.

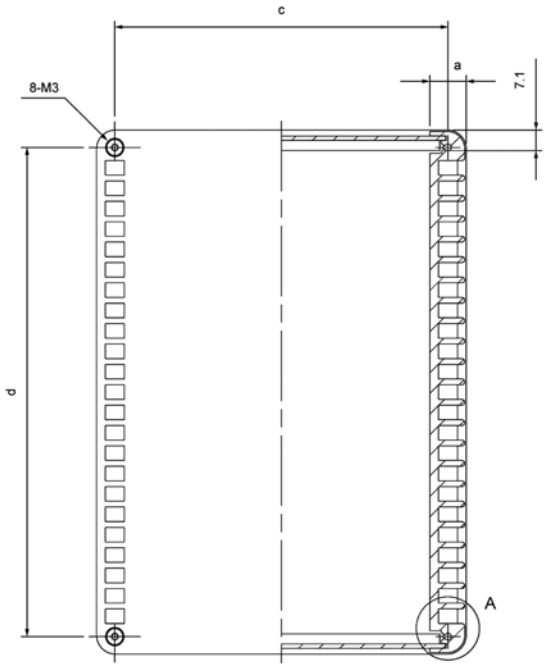
Features
- equipped with heat-sink side plates.
- available in 12 sizes.

Ref.-Nr. Ref. no.	Bezeichnung Part name	Stück Pcs	Material	Farbe / Oberfläche Color / Finish
1	Kühlkörper-Seitenplatte heat-sink side plate	2	Aluminium-Strangpressprofil aluminium extrusion	silber / schwarz eloxiert silver / black anodized
2	Deckel / Boden top and bottom cover	2	Aluminium t = 2.0 mm aluminium t = 2.0 mm	silber / schwarz eloxiert silver / black anodized
3	Front-, Rückplatte front and rear panel	2	Aluminium t = 1.5 mm aluminium t =1.5 mm	silber / schwarz eloxiert silver / black anodized
4	Gummifüße rubber feet	4	Polyurethan polyurethane	schwarz black
5	Schrauben screw	1Satz 1set	Edelstahl / Stahl M3 stainless steel / Steel M3	kein Finish / schwarz verchromt no finish / black trivalent chromate

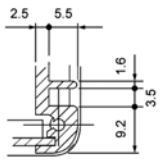
Serie HIT Maße — Series HIT dimensions





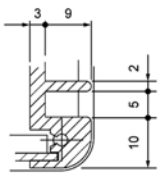


HIT□-□-13



A cross-section

HIT□-□-18



A cross-section

Farben (bitte bei Bestellung ergänzen)
Colors (please suffix to part no. when ordering)

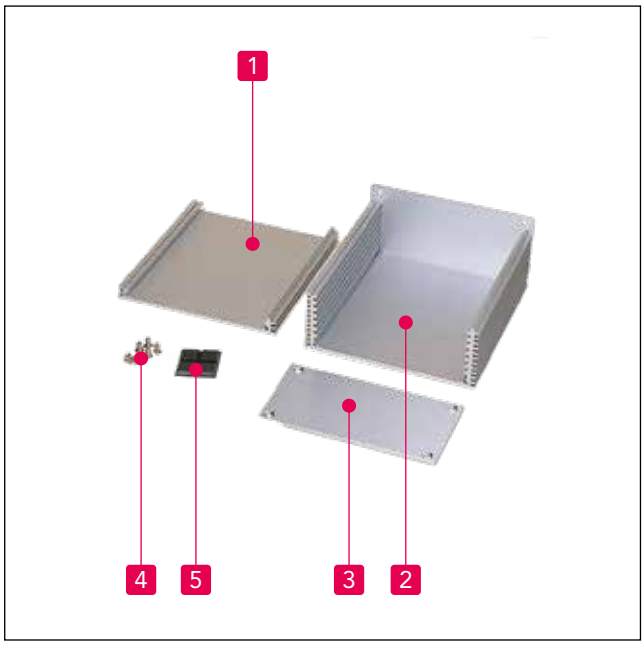
Farbcode Color code	Deckel /Grund-platte Top / bottom cover	Vorder- und Rückseite Front / rear panel	Seitenplatte Side plate
SS	silber silver	silber silver	silber silver
BB	schwarz black	schwarz black	schwarz black

□□ Siehe Farbtabelle - □□ See color chart

Best.-Nr. Part no.	W	H	D	a	b	c	d	Gewicht (g) Weight
HIT9213□□	89	20	130	8	3,6	81	118,6	183
HIT9413□□	89	40	130	8	3,6	81	118,6	255
HIT13313□□	130	30	130	8	3,6	122	118,6	289
HIT13513□□	130	50	130	8	3,6	122	118,6	370
HIT18413□□	180	40	130	8	3,6	172	118,6	414
HIT18613□□	180	60	130	8	3,6	172	118,6	503
HIT13318□□	128	30	180	12	3,6	115,5	168	411
HIT13518□□	128	50	180	12	3,6	115,5	168	535
HIT17418□□	174	40	180	12	3,6	161,5	168	578
HIT17618□□	174	60	180	12	3,6	161,5	168	719
HIT23518□□	228	50	180	12	3,6	215,5	168	772
HIT23718□□	228	70	180	12	3,6	215,5	168	928

Serie HEN
Kühlkörpergehäuse

Series HEN heat-sink aluminium case



Eigenschaften

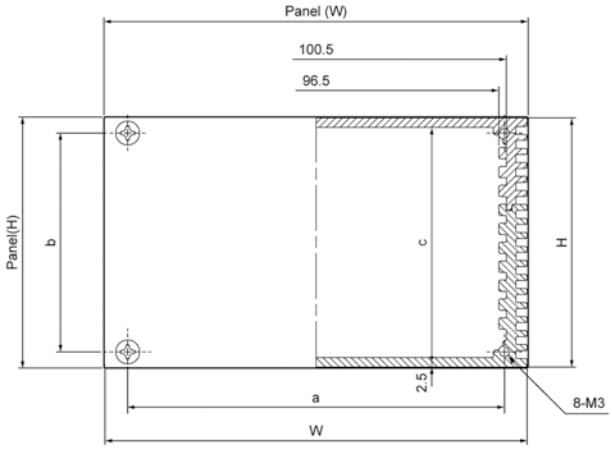
- Kühlkörper-Gehäuse mit kurzen Rippen.
- Verfügbar in 18 Größen.
- Robustes Gehäuse aus Aluminium-Profil beliebig kombinierbar.
- 100 mm Europakartenformat.
- Sonderlängen möglich.
- schwarz oder natur eloxierte Oberflächen.

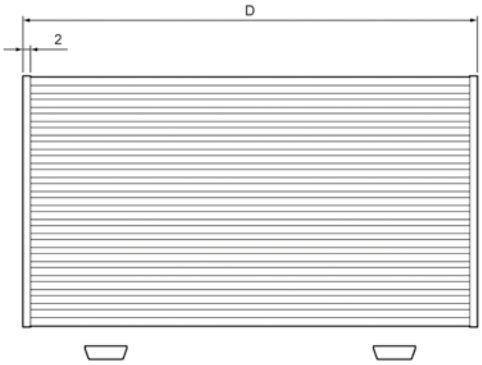
Features

- heat sink case with small fins for heat release.
- available in 18 heights.
- asturdy cases made of aluminium extrusions.
- fits 100 mm Eurocard size PCBs.
- special lengths available.
- natural or black anodized surfaces.

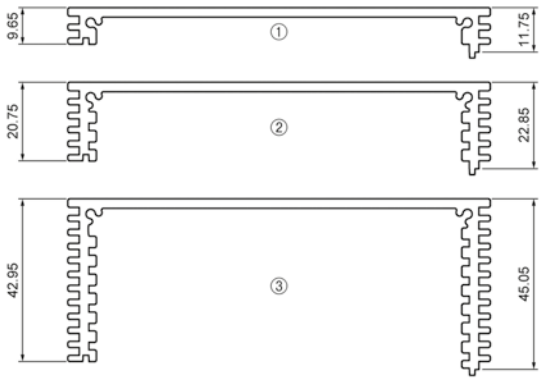
Ref.-Nr. Ref. no.	Bezeichnung Part name	Stück Pcs	Material	Farbe / Oberfläche Color / Finish
1	Deckel top cover	1	Aluminium-Strangpressprofil Aluminium extrusion	silber / schwarz eloxiert silver / black anodized / hairline finish
2	Boden bottom cover	1	Aluminium-Strangpressprofil Aluminium extrusion	silber / schwarz eloxiert silver / black anodized / hairline finish
3	Frontplatte front panel	2	Aluminium t = 2.0 mm Aluminium t = 2.0 mm	silber / schwarz eloxiert silver / black anodized / hairline finish
4	Schraube screw	8	Stahl M3 steel M3	vernickelt / schwarz verchromt nickel plated / black trivalent chromate
5	Gummifuß rubber feet	4	Polyurethan polyurethane	schwarz black

Serie HEN Maße — Series HEN dimensions





HEN Profile - HEN profiles



HENL-1

HENL-2

HENL-4

■ Farben (bei Bestellung ergänzen)
■ Colors (suffix to part no. when ordering)

Farbcode Color code	Platte Panel	Profil 1	Profil 2
SS	silber silver	silber silver	silber silver
BB	schwarz black	schwarz black	schwarz black

☐☐ Siehe Farbtabelle
☐☐ See color chart

Best.-Nr. Part no.	W	H	D	Ges. Breite Panel W	Ges. Höhe Panel H	a	b	c	Blende Cover	Gewicht(g) Weight (g)
HEN110206☐☐	111,2	21,4	60	112	21,9	99,2	13,4	16,4	①×2	143
HEN110212☐☐	111,2	21,4	120	112	21,9	99,2	13,4	16,4		258
HEN110220☐☐	111,2	21,4	200	112	21,9	99,2	13,4	16,4		411
HEN110306☐☐	111,2	32,5	60	112	33,0	99,2	24,5	27,5	①×1 ②×1	179
HEN110312☐☐	111,2	32,5	120	112	33,0	99,2	24,5	27,5		311
HEN110320☐☐	111,2	32,5	200	112	33,0	99,2	24,5	27,5		488
HEN110406☐☐	111,2	43,6	60	112	44,1	99,2	35,6	38,6	②×2	215
HEN110412☐☐	111,2	43,6	120	112	44,1	99,2	35,6	38,6		365
HEN110420☐☐	111,2	43,6	200	112	44,1	99,2	35,6	38,6		565
HEN110506☐☐	111,2	54,7	60	112	55,2	99,2	46,7	49,7	①×1 ③×1	250
HEN110512☐☐	111,2	54,7	120	112	55,2	99,2	46,7	49,7		417
HEN110520☐☐	111,2	54,7	200	112	55,2	99,2	46,7	49,7		640
HEN110606☐☐	111,2	65,8	60	112	66,3	99,2	57,8	60,8	②×1 ③×1	286
HEN110612☐☐	111,2	65,8	120	112	66,3	99,2	57,8	60,8		471
HEN110620☐☐	111,2	65,8	200	112	66,3	99,2	57,8	60,8		717
HEN110806☐☐	111,2	88,0	60	112	88,5	99,2	80,8	83,0	③×2	358
HEN110812☐☐	111,2	88,0	120	112	88,5	99,2	80,8	83,0		577
HEN110820☐☐	111,2	88,0	200	112	88,5	99,2	80,8	83,0		869

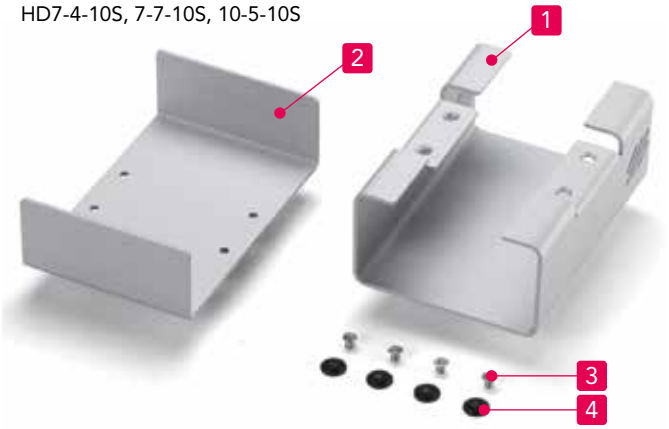
Conductive

Serie HD High-End Design Aluminiumgehäuse

NEW

HD Series High-End design aluminium case

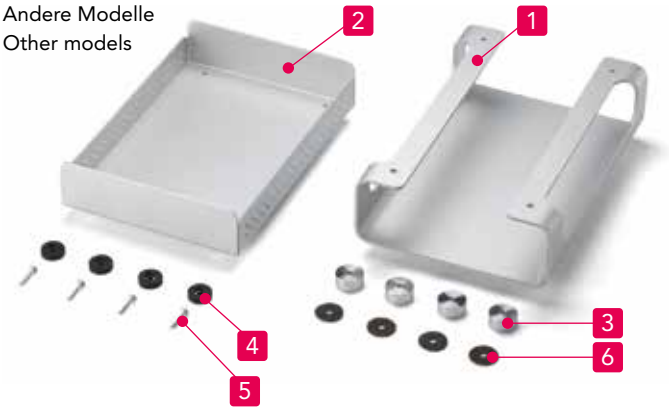
HD7-4-10S, 7-7-10S, 10-5-10S



- Speziell entwickeltes Aluminiumgehäuse für Embedded-Systeme.
- Polierte und elegante Metalloberfläche.
- Geeignet für Embedded-Systeme. Messgeräte, Zubehör, Audioverstärker uvm.

- Distinctively designed aluminium case.
- Polished, elegant and sleek metallic silver finish.
- Suitable for embedded system, measurement equipment, data transmitter, audio amplifier, and so on.

Andere Modelle
Other models



Einzelteile - Components

HD7-4-10S, 7-7-10S, 10-5-10S

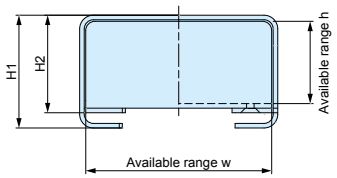
No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Gehäusehaube - Cover	1	Aluminium	Metallic Silber lackiert - Metallic Silver / Painted
2	Grundplatte - Base	1	Aluminium	Metallic Silber lackiert - Metallic Silver / Painted
3	Schraube - Screw (M3-4 Flat-head)	4	Stahl - Steel	Chromatiert - Trivalent chromate
4	Gummifüße - Rubber feet	4	Gummi - Rubber	Schwarz - Black

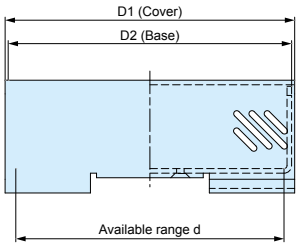
Andere Größen - Other models

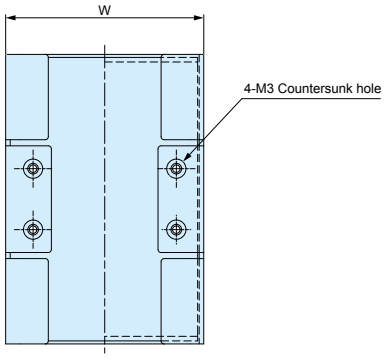
No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Gehäusehaube - Cover	1	Aluminium	Metallic Silber lackiert - Metallic Silver / Painted
2	Grundplatte - Base	1	Aluminium	Metallic Silber lackiert - Metallic Silver / Painted
3	Gehäusefüße - Feet	4	Aluminium	Silber / eloxiert - Silver / Anodized
4	Gummifüße - Rubber feet	4	Gummi - Rubber	Schwarz - Black
5	Schraube - Screw (M3-16 or 20 Flat-head)	4	Stahl - Steel	Chromatiert - Trivalent chromate
6	Distanzscheibe - Cushion	4	Polyethylene	Schwarz - Black

HD Maße — HD Dimensions

HD7-4-10S • 7-7-10S • 10-5-10S (leitfähige Modelle)
HD7-4-10S • 7-7-10S • 10-5-10S (Conductive models)



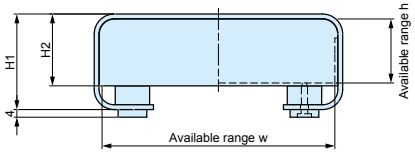


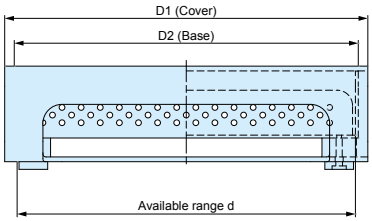


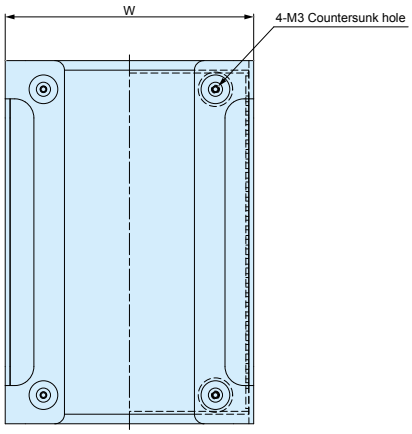
Mitgelieferte Schrauben
HD7-4-10S • 7-7-10S • 10-5-10S : M3-4 x 4 Stück

Included screws
HD7-4-10S • 7-7-10S • 10-5-10S : M3-4 x 4 pcs

Andere Modelle - Other models







Mitgelieferte Schrauben
Andere Modelle : M3-16 x 4 Stück

Included screws
Other models : M3-16 x 4 pcs

Best-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	H1	H2	D1	D2	w	h	d	Kompatibles PCB-Format Compatible Board Size	Gewicht (g) Weight (g)
NEW HD 7- 4-10S	65	37	32	95	93	61	27	90	Raspberry Pi (56 x 85)	94.1
NEW HD 7- 7-10S	65	65	60	95	93	61	55.5	90		129
NEW HD10- 5-10S	95	48	40	95	93	91	35.5	90	—	138.5
NEW HD11- 5-18S	111	50	37.6	175	165	102.4	33.5	162	Euro Board (100 x 160)	386.3
NEW HD11- 7-18S	111	70	57.6	175	165	102.4	53.5	162		447.7
NEW HD15- 7-16S	151	65	52.6	162	152	142.4	48.5	149	Mini STX (140 x 147)	500.8
NEW HD16- 6-12S	157	60	47.6	118	108	148.4	43.5	105	3.5 Inch Board (146 x 102)	382.1
NEW HD16- 5-21S	160	50	37.6	210	200	151.4	33.5	197	—	573.9
NEW HD19- 8-21S	192	75	62.1	210	200	182.4	57.5	197	Mini ITX (170 x 170)	838.1
NEW HD21-14-25S	210	135	122.1	250	240	199.4	117	236	—	1587.8
NEW HD26- 8-20S	260	80	67.1	200	190	249.4	62	186	—	1162.8
NEW HD32-10-23S	320	100	87.1	230	220	309.4	82	216	—	1678

Serie RPI Raspberry Pi Aluminiumgehäuse

NEW

RPI Series Raspberry Pi aluminium case

Conductive

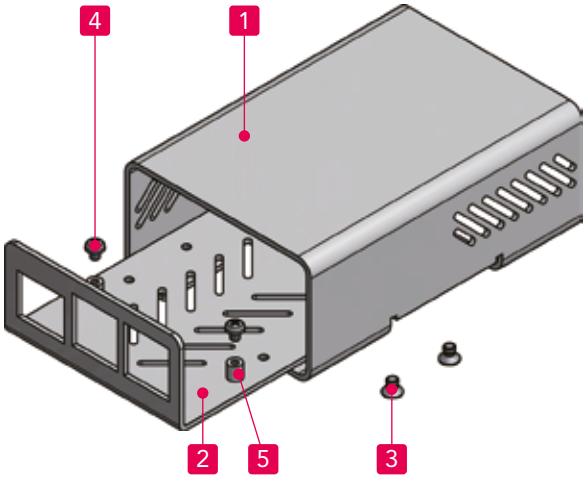
Inklusive Schrauben - Included screws
M3-4 Flat-head x 4 pcs (for case)
M2.5-3 Pan-head x 4 pcs (for board)

Zwei Raspberry Pi boards können in RPI-2 Version verbaut werden.

Two Raspberry Pi boards can be installed in RPI-2 model.

RPI-1F ist kompatibel mit VESA Halterung (75 x 75mm / 100 x 100mm) und kann auf der Rückseite von Monitoren befestigt werden.

RPI-1F is compatible with VESA formula screw pitch (75 x 75mm / 100 x 100mm) and can be installed on the back side of PC displays, etc.



- Speziell geeignet für Raspberry Pi.
  Kompatibel mit Raspberry Pi 2B, 3B and 3B+ Platinen.
- Komplett aus Aluminium, poliert und silber metallic lackiert.
- 3 Typen verfügbar: Normal, 2 x übereinander, und verschraubbar.
- Der innere Bereich ist leitfähig.
- Raspberry Pi Platine ist nicht im Lieferumfang enthalten.

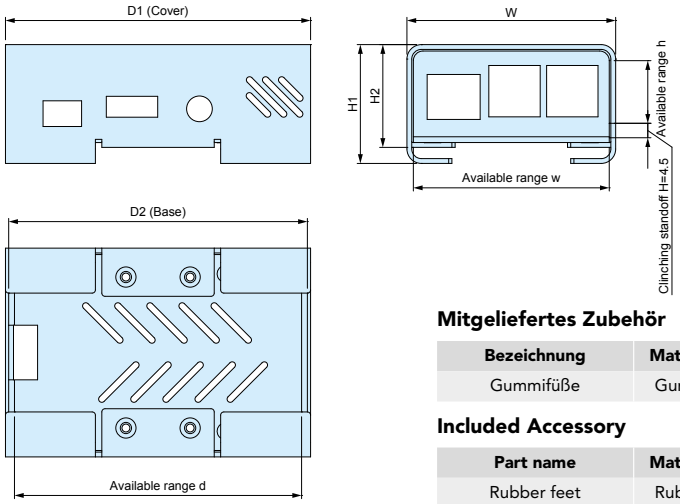
- Exclusively for use with Raspberry Pi.
  Compatible with Raspberry Pi 2B, 3B and 3B+ boards.
- All aluminium, polished and elegant metallic silver finish.
- 3 types are available: normal, double-layered, and flanged.
- The internal part is made to be conductive.
- Raspberry Pi Board is not included.

Einzelteile - Components

No.	Bezeichnung - Part name	Stück - Pcs	Material	Farbe / Oberfläche - Color / Finish
1	Gehäusehaube - Cover	1	Aluminium A1100P t=1.5	metallic silber / lackiert - Metallic silver / Painted
2	Grundplatte - Base	1	Aluminium A1100P t=1.5	metallic silber / lackiert - Metallic silver / Painted
3	Schraube - Screw (M3-4 Flat-head)	4	Stahl - Steel	chromatiert - Trivalent chromate
4	Schraube - Screw for Board (M2.5-3)	4	Messing - Brass	vernickelt - Nickel plated
5	Einpressverbinder - Clinching standoff	4	Stahl - Steel	chromatiert - Trivalent chromate

RPI Maße RPI Dimensions

RPI-1



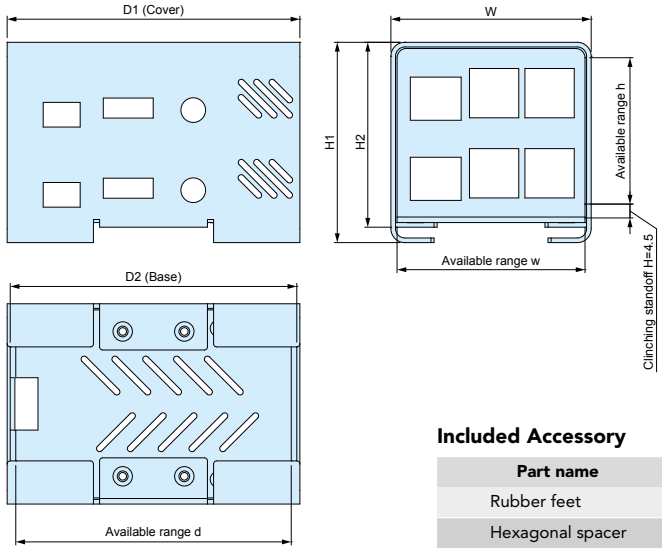
Mitgeliefertes Zubehör

Bezeichnung	Material	Farbe / Oberfläche
Gummifüße	Gummi	schwarz

Included Accessory

Part name	Material	Color / Finish
Rubber feet	Rubber	Black

RPI-2



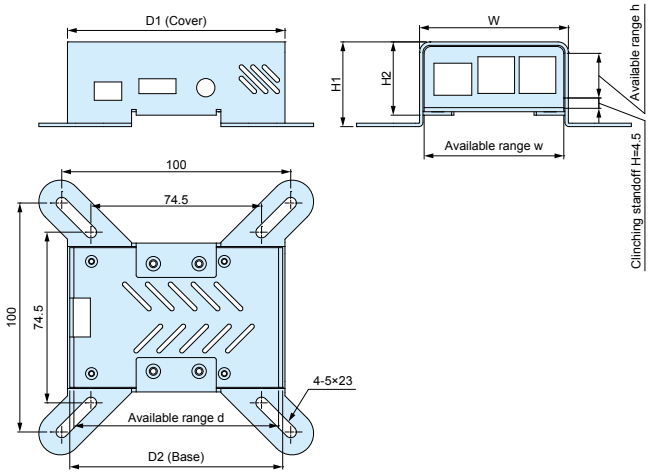
Mitgeliefertes Zubehör

Bezeichnung	Material	Farbe / Oberfläche
Gummifüße	Gummi	schwarz
Hexagonales Distanzstück	Brass	vernickelt

Included Accessory

Part name	Material	Color / Finish
Rubber feet	Rubber	Black
Hexagonal spacer	Brass	Nickel plated

RPI-1F



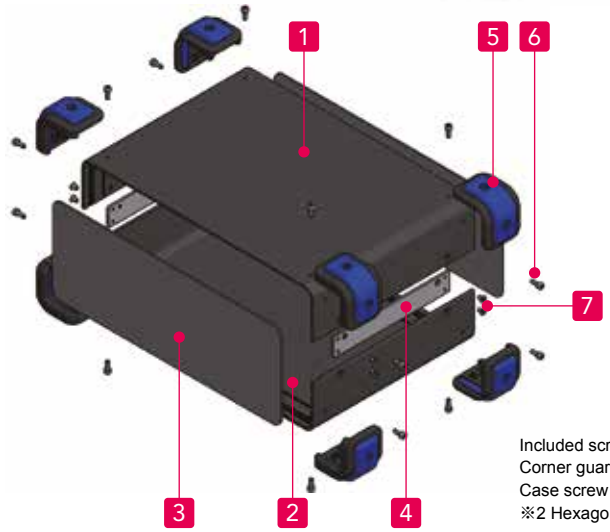
Einzelteile - Components

Best-Nr. - Product no.		W	H1	H2	D1	D2	w	h	d	Gewicht - Weight (g)
NEW	RPI-1	65	37	32	95	93	61	19.5	90	90.5
NEW	RPI-2	65	65	60	95	93	61	47.5	90	136
NEW	RPI-1F	65	37	32	95	93	61	19.5	90	91.5

Serie UCG - Universal Aluminium Gehäuse mit Schutzecken

NEW

Serie UCG - Universal Aluminium Case with Corner Guard



- Aluminiumgehäuse ausgestattet mit stoßfesten- und antirutsch-Schutzecken.
- Verfügbar in 8 Größen und 5 verschiedenen Schutzecken Farbvarianten.
- Sondergrößen realisierbar.

- Aluminium case equipped with shockproof and anti-slip corner guards.
- Available in 8 sizes and 5 different corner guard color variations.
- Custom sizes available.

Included screws
Corner guard screw - M3-8 Hexagonal : Steel : Trivalent chromate x 16 pcs
Case screw - M3 Hexagonal countersunk : Steel : Trivalent chromate x 12 pcs
※2 Hexagonal wrenches included. (The larger for corner guard screw, the smaller for case screw)

Komponenten

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Oberschale	1	Aluminiumprofil A6063s-T5	schwarz / lackiert
2	Unterschale	1	Aluminiumprofil A6063s-T5	schwarz / lackiert
3	Frontplatte	2	Aluminium A1100P t=1.5	schwarz / lackiert
4	Verbindungsplatte	2	Stahl SPCC t=2.0	chromatiert
5	Schutzecke	8	PP + Silikon	schwarz • smaragd grün • grau • navy • rot
6	Schutzeckenschraube	16	Stahl	chromatiert
7	Gehäuseschraube	12	Stahl	chromatiert

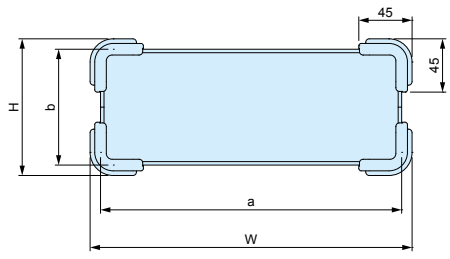
Components

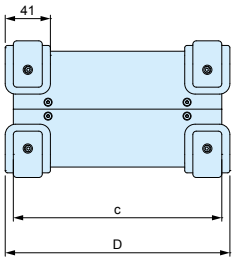
No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	Extruded aluminium A6063s-T5	black / painted
2	Bottom cover	1	Extruded aluminium A6063s-T5	black / painted
3	Panel	2	Aluminium A1100P t=1.5	black / painted
4	Joint plate	2	Steel SPCC t=2.0	trivalent chromate
5	Corner guard	8	PP + Silicone	black • emerald • gray • navy • red
6	Corner guard screw	16	Steel	trivalent chromate
7	Case screw	12	Steel	trivalent chromate

Farbcode - Color Type

Code	BB schwarz / schwarz BB black / black	BE schwarz / smaragd BE black / emerald	BG schwarz / grau BG black / gray	BN schwarz / navy BN black / navy	BR schwarz / rot BR black / red
Farbe Color					

UCG Zubehör (optional erhältlich) (optional parts) UCG Accessories





Montageplatte Serie UCC
Mounting plate UCC series

Kunststoffgriff Serie FM200
Elastomer handle FM200 series

■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

Best-Nr. / Maße - Product no. / Dimensions

Best.-Nr. Product no.	W	H	D	a	b	c	Montageplatte Mounting Plate	Gewicht (kg) Weight (kg)
NEW UCG15- 9-20□□	168	108	214	150	90	200	YES	1.14
NEW UCG18-10-24□□	198	118	254	180	100	240	YES	1.44
NEW UCG18-18-28□□	198	198	294	180	180	280	n/a	2.23
NEW UCG20- 9-14□□	218	108	154	200	90	140	YES	1.13
NEW UCG22-12-16□□	238	138	174	220	120	160	n/a	1.28
NEW UCG26-10-18□□	278	118	194	260	100	180	YES	1.96
NEW UCG32-12-22□□	338	138	234	320	120	220	YES	2.13
NEW UCG38-15-26□□	398	168	274	380	150	260	n/a	3.19

■ Montageplatte kann kundenspezifisch bearbeitet werden. - ■ Mounting plate can be custom ordered.

UG-1 Schutzecke
für UC - UCG

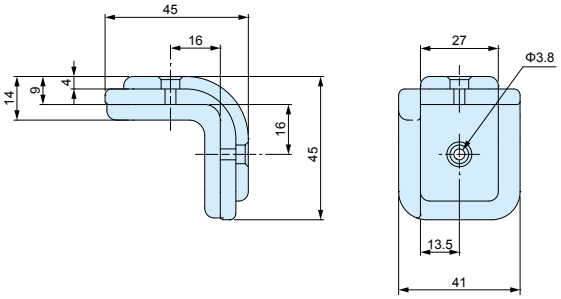
NEW

UG-1 Corner Guard
for UC - UCG

Anwendungsbeispiel Application example

- Schutzecken für Serien UC • UCG.
- M3 Gewindelöcher ermöglichen einfache Montage.
- Verfügbar in 5 verschiedenen Farbvarianten.

- Corner guard parts for UC • UCG series.
- M3 thread holes are required in order to fix on UC series.
- Available in 5 different color variations.



Komponenten

Nr.	Bezeichnung	Material
1	Schutzeckenbasis	PP
2	Schutzecken	Silikon
3	Schraube (M3-8 Hexagonal)	Stahl

Components

No.	Part name	Material
1	Corner guard base	PP
2	Corner guard	Silicone
3	Screw (M3-8 Hexagonal)	Steel

Best-Nr. / Details - Product no. / Details

Best.-Nr. - Product no.					Gewicht Weight (g)	VPE Pack of
● schwarz - black	● smaragd - emerald	● grau - gray	● navy	● rot - red		
NEW UG-1B	NEW UG-1E	NEW UG-1G	NEW UG-1N	NEW UG-1R	210.5	8

Included screw : M3-8 Hexagonal : Steel : Trivalent chromate x 16 pcs + 2 Hexagonal wrench

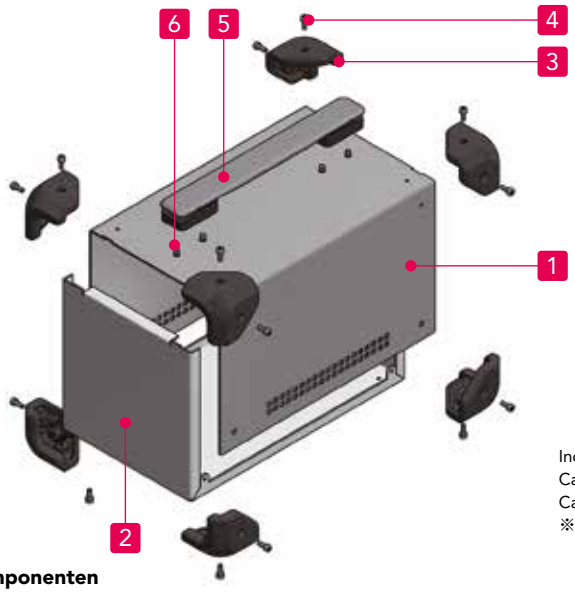
Conductive

Serie MCG - Aluminium Gehäuse mit Schutzecken

Serie MCG - Aluminium Case with Corner Guard

- Aluminiumgehäuse mit stoßfesten Schutzecken für rutschfesten Stand der Gehäuse.
- Geeignet für lüfterlose PC Verstärker Speichermedien uvm. Tragegriff hält ein maximales Gewicht von 30 kg.
- Schutzecken sind verfügbar in 4 Farbvarianten.
- Sondergrößen realisierbar.

- Aluminium case equipped with shockproof and anti-slip elastomer corner guards.
- Suitable to be used as a fanless PC, power supply, power storage device etc.
  Carrying handle can withstand a maximum load up to 30.0 kg.
- Corner guards are available in 4 different color variations.
- Custom sizes available.



- Aluminiumgehäuse mit Schutzecken und Schraubbefestigung.
- Aluminium case and corner guard with screw fastening.

Included screws
Case / Corner guard - M4-8 Hexagonal : Steel : Black trivalent chromate x 16 or 18 pcs
Carrying handle - M5-8 : Steel : Trivalent chromate x 4 pcs
※Hexagonal wrenches included.

Komponenten

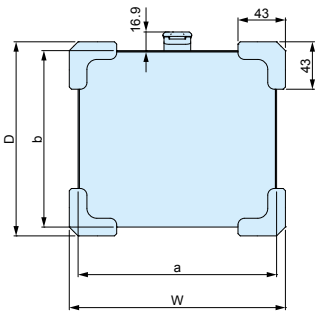
Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Oberschale	1	Stahl SECC t=10	schwarz / lackiert
			Aluminium A1100P t=1.5	metallisch silber / lackiert : innen leitfähig
2	Unterschale	1	Aluminium A1050P t=1.5	schwarz / lackiert
			Aluminium A1100P t=1.5	metallisch silber / lackiert : innen leitfähig
3	Schutzecken	8	TPE	schwarz • grau • navy • rot
4	Gehäuse / Schutzeckenschraube	16 / 18	Stahl	schwarz chromatiert
5	Tragegriff	1	PU • PA6 • ABS • Stahl	schwarz • grau
6	Tragegriffschraube	4	Stahl	chromatiert

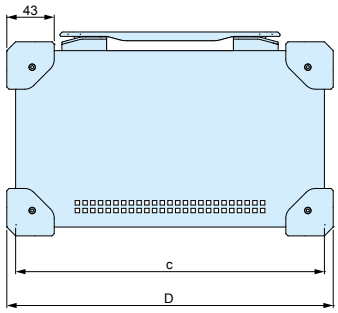
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	Steel SECC t=10	black / painted
			Aluminium A1100P t=1.5	metallic silver / painted : conductive inside
2	Base	1	Aluminium A1050P t=1.5	Black / painted
			Aluminium A1100P t=1.5	metallic silver / painted : conductive inside
3	Corner guard	8	TPE	black • gray • navy • red
4	Case / Corner guard screw	16 / 18	Steel	black trivalent chromate
5	Carrying handle	1	PU • PA6 • ABS • Steel	black • gray
6	Carrying handle screw	4	Steel	trivalent chromate

Farbcode - Color Type

Code	BBB	BGB	BNB	BRB
Farbe Color				
Code	**SBB Conductive**	**SGG Conductive**	**SNG Conductive**	**SRG Conductive**
Farbe Color				





■ Bitte vervollständigen Sie die Bestellnummer mit dem Farbcode am Ende.
■ Please suffix color code at the end of the product number.

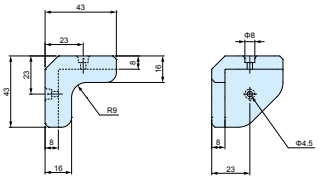
Best.-Nr. / Maße - Product no. / Dimensions

Best-Nr. Product no.	W	H	D	a	b	c	Gewicht - Weight (kg)	
							B□□models	S□□models
NEW MCG14-14-23□□□	156	156	246	140	140	230	1.2	0.9
NEW MCG18-16-28□□□	196	176	296	180	160	280	1.8	1.3
NEW MCG21-14-24□□□	226	156	256	210	140	240	1.6	1.2
NEW MCG26-18-30□□□	276	196	316	260	180	300	2.3	1.6

MG-1 Schutzecken
(optional erhältlich)

NEW

UG-1 Corner Guard
(optional parts)



- Schutzecken für Serie MCG.
- Schutzecken auch geeignet für andere Serien als Serie UCG.
- M4 Gewindelöcher zur Montage der Schutzecken erforderlich.
- Verfügbar in 4 verschiedenen Farbvarianten.

- Corner guard part for MCG case.
- Corner guard can be installed on other enclosures than UCG series.
- M4 thread holes are required for installation.
- Available in 4 different color variations.

Komponenten

Nr.	Bezeichnung	Material
1	Schutzecke	TPE
2	Schraube (M4-8 Hexagonal)	Stahl

Components

No.	Part name	Material
1	Corner guard	TPE
2	Screw (M4-8 Hexagonal)	Steel

Best-Nr. / Details - Product no. / Details

Best-Nr. - Product no.				Gewicht (g) Weight (g)	VPE Pack of
● schwarz - black	● grau - gray	● navy	● rot - red		
NEW MG-1B	NEW MG-1G	NEW MG-1N	NEW MG-1R	124	8

Included screw : M4-8 Hexagonal : Steel : Black trivalent chromate x 18 pcs + Hexagonal wrench

Kontrollgehäuse Serie FC

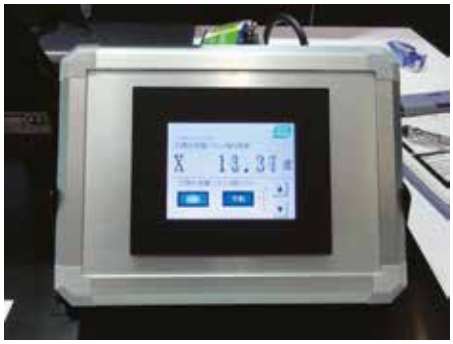
FC series control box

Eigenschaften

- Verfügbar in 175 Varianten.
- Universell einsetzbares Gehäuse, bestehend aus Aluminiumprofil-Rahmen, ABS-Eckverbindungen und Aluminiumplatten.
- Geeignet zum Einbau von Touch-Panels, Frontfolien, Tastaturen usw.
- Sondergrößen sind möglich.

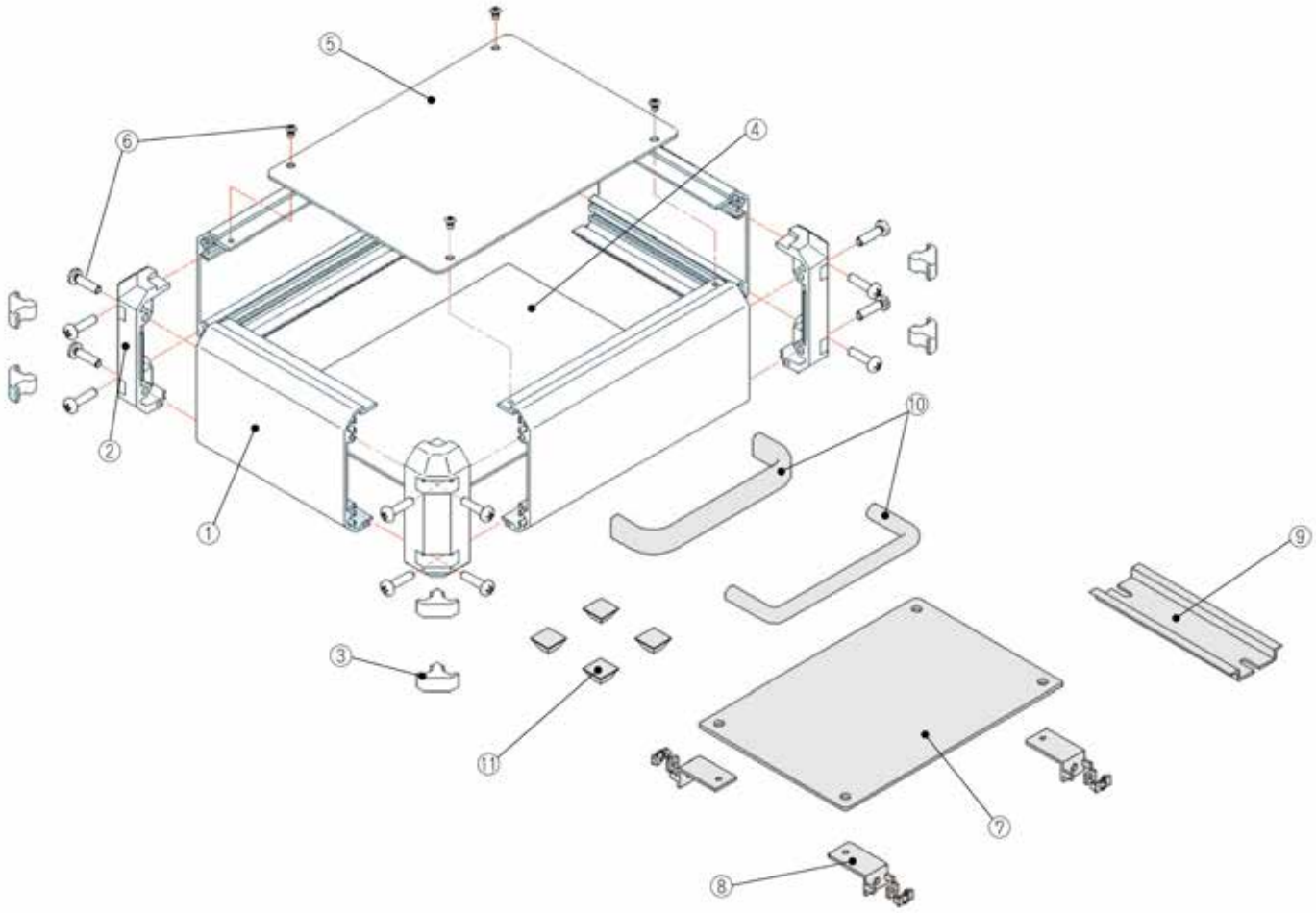
Features

- Available in 175 sizes.
- Simple design structure box consisting of aluminium extrusion frames, ABS corner joints and aluminium plates.
- Usable for touch panels, display enclosures, factory automation equipment.
- Special sizes are possible.



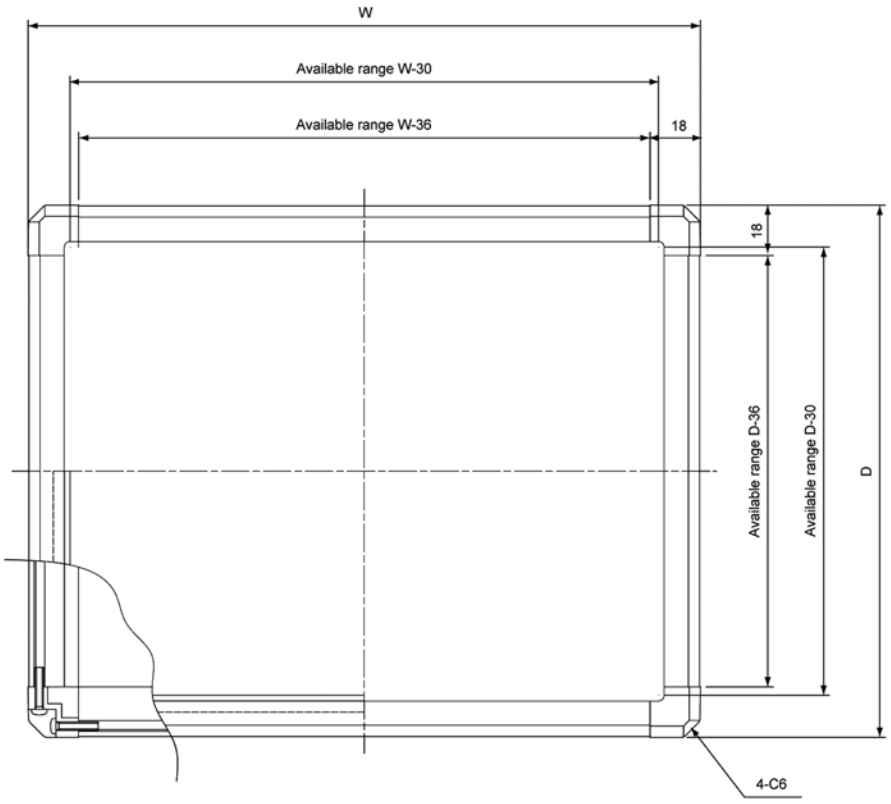
Anwendungsbeispiele
application examples

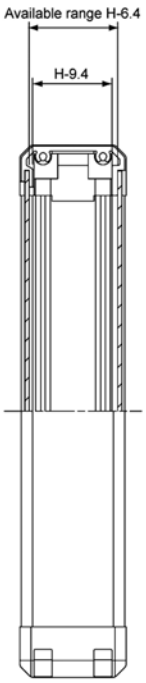
Montagezeichnung assembly drawing

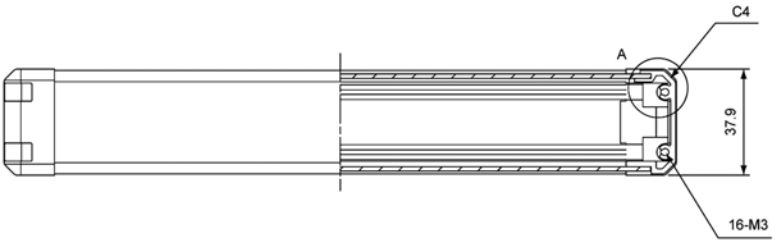


Ref.Nr ref.- no.	Bezeichnung part name	Stück pcs	Material	Farbe / Oberfläche color / Finish
1	Rahmen side frame	4	Aluminiumprofil aluminium extrusion	silber / schwarz eloxiert silver / black anodized
2	Eckblock corner block	4	ABS	lichtgrau schwarz light gray / black
3	Blindstopfen blind plug	8	TPE	lichtgrau schwarz light gray / black
4	Frontplatte slided panel	1	Aluminium t 1,5 mm	silber eloxiert silver anodized hair-line finish
			Aluminium t 1,5 mm	schwarz eloxiert black anodized
5	Bodenplatte screwed panel	1	Aluminium t 1,5 mm	silber eloxiert silver anodized hair-line finish
			Aluminium t 1,5 mm	schwarz eloxiert black anodized
6	Schrauben screw	1 Satz 1 set	Stahl M3 und M4 steel M3 und M4	Vernickelt chromatiert nickel plated / trivalent chromated

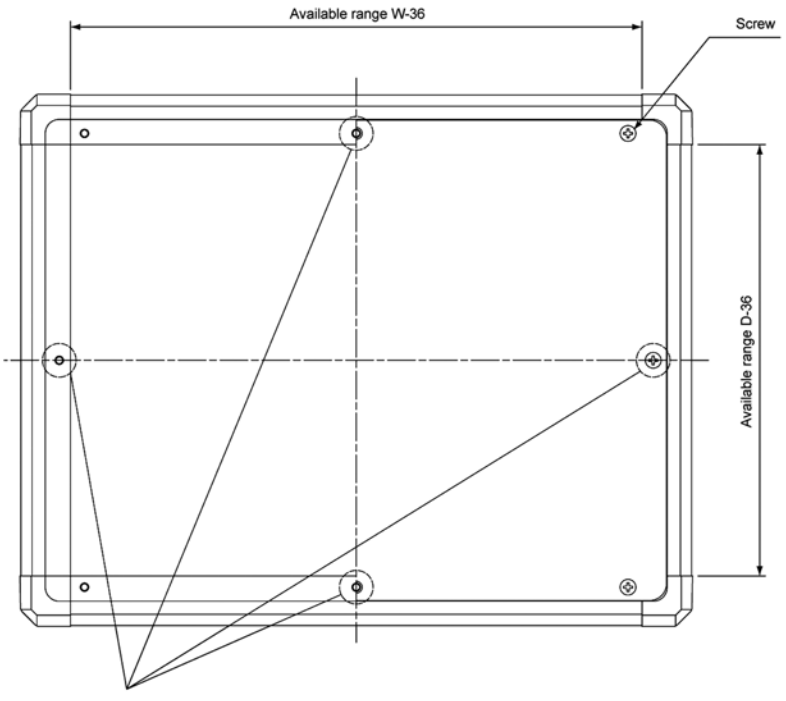
FC Zeichnung FC4 FC drawing FC4



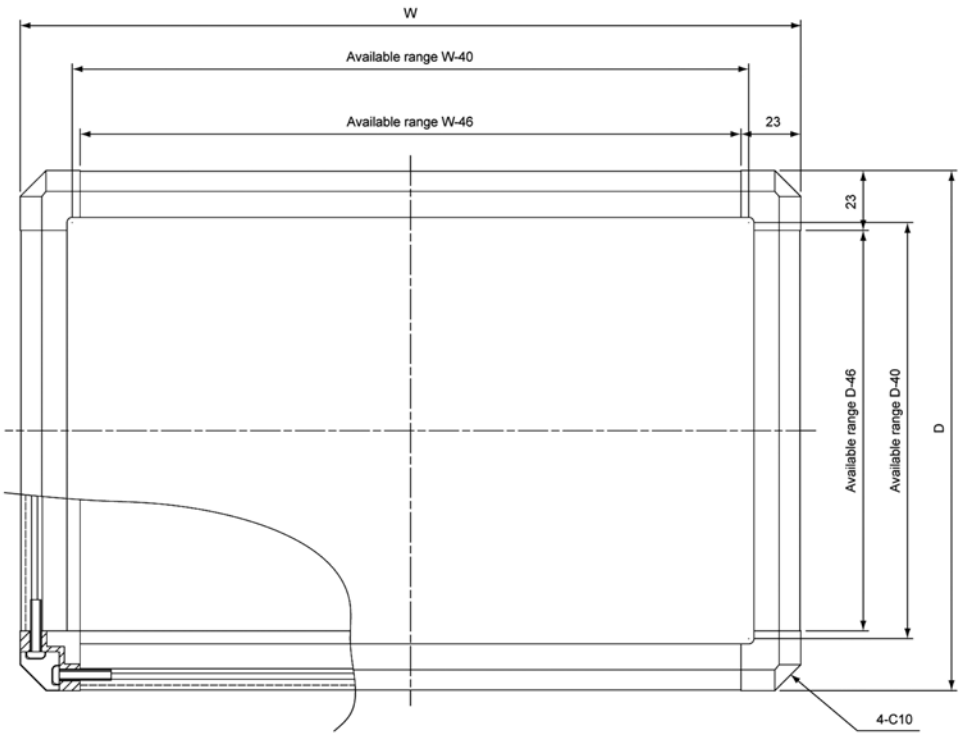


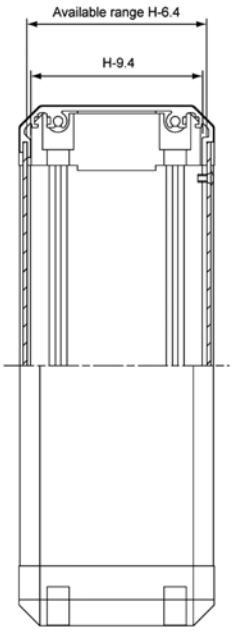


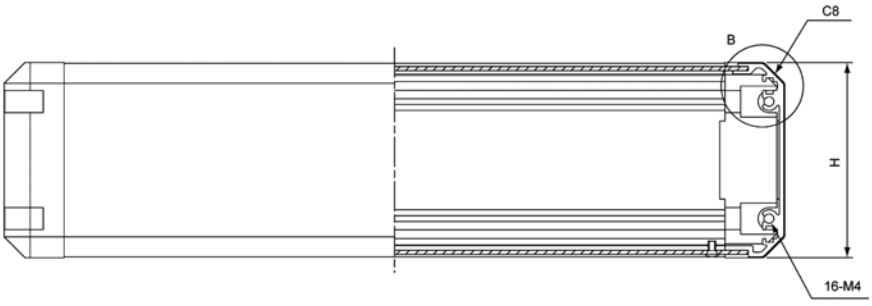
A: Frame cross-section

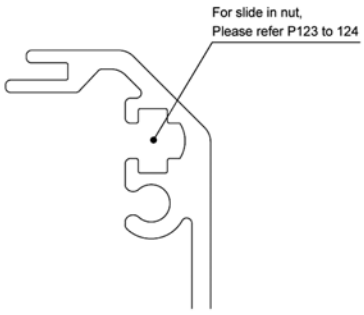


※Additional screw hole if W, D dimension is over 390mm.

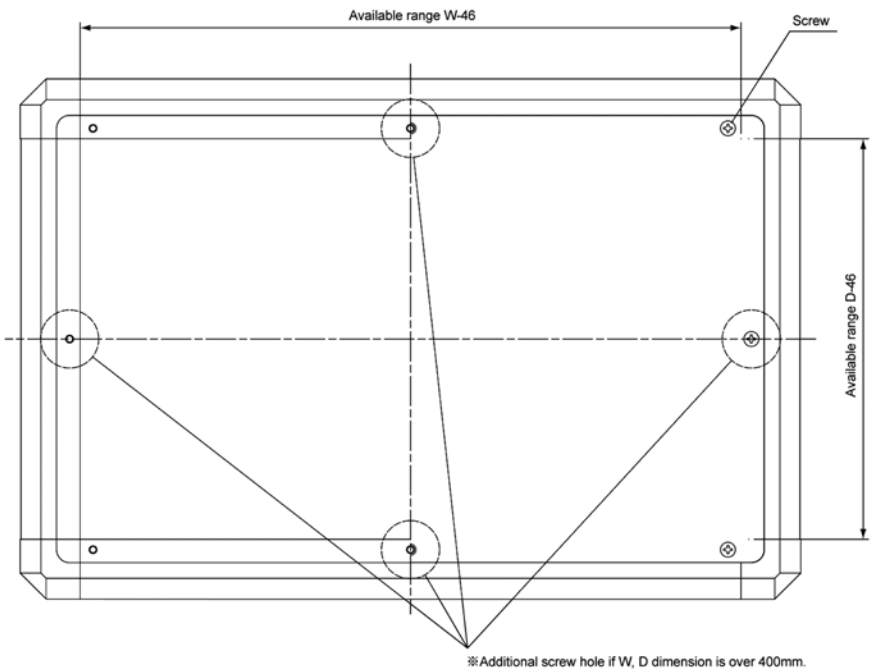








B: Frame cross-section



※Additional screw hole if W, D dimension is over 400mm.

Serie FC

FC Series

GS	BS	BX	BB
Grundplatte / Panel SS silber / silver	**Grundplatte / Panel** SS silber / silver	**Grundplatte / Panel** SS silber / silver	**Grundplatte / Panel** BB schwarz / black
Rahmen / Frame SS silber / silver	**Rahmen / Frame** SS silber / silver	**Rahmen / Frame** BB schwarz / black	**Rahmen / Frame** BB schwarz / black
Ecken / Corners GG grau / gray	**Ecken / Corners** BB schwarz / black	**Ecken / Corners** BB schwarz / black	**Ecken / Corners** BB schwarz / black

Best.-Nr. part no.	H	W	D	Gewicht (kg) weight (kg)	Montageplatte Schraube Stck mounting panel screw pcs
FC499□□	37,9	90	90	0,17	4
FC4149□□	37,9	140	90	0,24	4
FC41414□□	37,9	140	140	0,33	4
FC4199□□	37,9	190	90	0,31	4
FC41914□□	37,9	190	140	0,50	4
FC41919□□	37,9	190	190	0,53	4
FC42414□□	37,9	240	140	0,51	4
FC42419□□	37,9	240	190	0,64	4
FC42424□□	37,9	240	240	0,78	4
FC42914□□	37,9	290	140	0,60	4
FC42919□□	37,9	290	190	0,75	4
FC42924□□	37,9	290	240	0,91	4
FC42929□□	37,9	290	290	1,07	4
FC43419□□	37,9	340	190	0,87	4
FC43424□□	37,9	340	240	1,04	4
FC43429□□	37,9	340	290	0,94	4
FC43919□□	37,9	390	190	0,97	6
FC43924□□	37,9	390	240	1,17	6
FC43929□□	37,9	390	290	1,37	6
FC43939□□	37,9	390	390	1,77	8
FC44924□□	37,9	490	240	1,39	6
FC44929□□	37,9	490	290	1,64	6
FC44939□□	37,9	490	390	2,12	8
FC45929□□	37,9	590	290	1,92	6
FC45939□□	37,9	590	390	2,46	8
FC51010□□	50,4	100	100	0,24	4
FC51510□□	50,4	150	100	0,33	4
FC51515□□	50,4	150	150	0,44	4
FC52010□□	50,4	200	100	0,42	4
FC52015□□	50,4	200	150	0,55	4
FC52020□□	50,4	200	200	0,68	4
FC52515□□	50,4	250	150	0,66	4
FC52520□□	50,4	250	200	0,81	4
FC52525□□	50,4	250	250	0,97	4
FC53015□□	50,4	300	150	0,77	4
FC53020□□	50,4	300	200	0,94	4
FC53025□□	50,4	300	250	1,11	4
FC53030□□	50,4	300	300	1,29	4
FC53520□□	50,4	350	200	1,07	4
FC53525□□	50,4	350	250	1,26	4
FC53530□□	50,4	350	300	1,46	4
FC54020□□	50,4	400	200	1,20	6
FC54025□□	50,4	400	250	1,42	6
FC54030□□	50,4	400	300	1,64	6

Best.-Nr. part no.	H	W	D	Gewicht (kg) weight (kg)	Montageplatte Schraube Stck mounting panel screw pcs
FC54040□□	50,4	400	400	2,07	8
FC55025□□	50,4	500	250	1,66	6
FC55030□□	50,4	500	300	1,92	6
FC55040□□	50,4	500	400	2,44	8
FC56030□□	50,4	600	300	2,22	6
FC56040□□	50,4	600	400	2,81	8
FC61010□□	62,9	100	100	0,26	4
FC61510□□	62,9	150	100	0,35	4
FC61515□□	62,9	150	150	0,47	4
FC62010□□	62,9	200	100	0,45	4
FC62015□□	62,9	200	150	0,58	4
FC62020□□	62,9	200	200	0,72	4
FC62515□□	62,9	250	150	0,70	4
FC62520□□	62,9	250	200	0,85	4
FC62525□□	62,9	250	250	1,01	4
FC63015□□	62,9	300	150	0,81	4
FC63020□□	62,9	300	200	0,99	4
FC63025□□	62,9	300	250	1,16	4
FC63030□□	62,9	300	300	1,35	4
FC63520□□	62,9	350	200	1,12	4
FC63525□□	62,9	350	250	1,32	4
FC63530□□	62,9	350	300	1,52	4
FC64020□□	62,9	400	200	1,25	6
FC64025□□	62,9	400	250	1,47	6
FC64030□□	62,9	400	300	1,70	6
FC64040□□	62,9	400	400	2,15	8
FC65025□□	62,9	500	250	1,72	6
FC65030□□	62,9	500	300	1,99	6
FC65040□□	62,9	500	400	2,52	8
FC66030□□	62,9	600	300	2,29	6
FC66040□□	62,9	600	400	2,43	8
FC81010□□	75,4	100	100	0,28	4
FC81510□□	75,4	150	100	0,38	4
FC81515□□	75,4	150	150	0,50	4
FC82010□□	75,4	200	100	0,48	4
FC82015□□	75,4	200	150	0,62	4
FC82020□□	75,4	200	200	0,76	4
FC82515□□	75,4	250	150	0,74	4
FC82520□□	75,4	250	200	0,90	4
FC82525□□	75,4	250	250	1,07	4
FC83015□□	75,4	300	150	0,86	4
FC83020□□	75,4	300	200	1,04	4
FC83025□□	75,4	300	250	1,23	4
FC83030□□	75,4	300	300	1,42	4

■ Bei Bestellung bitte Farbcode ergänzen. ■ Please suffix color code at the end of part number □□ when ordering FC series

Serie FC

FC Series

GS	BS	BX	BB
Grundplatte / Panel SS silber / silver	**Grundplatte / Panel** SS silber / silver	**Grundplatte / Panel** SS silber / silver	**Grundplatte / Panel** BB schwarz / black
Rahmen / Frame SS silber / silver	**Rahmen / Frame** SS silber / silver	**Rahmen / Frame** BB schwarz / black	**Rahmen / Frame** BB schwarz / black
Ecken / Corners GG grau / gray	**Ecken / Corners** BB schwarz / black	**Ecken / Corners** BB schwarz / black	**Ecken / Corners** BB schwarz / black

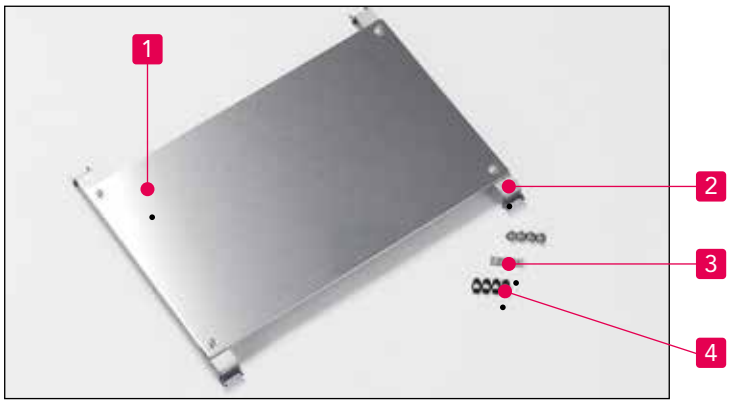
Best.-Nr. part no.	H	W	D	Gewicht (kg) weight (kg)	Montageplatte Schraube Stck mounting panel screw pcs
FC83520□□	75,4	350	200	1,19	4
FC83525□□	75,4	350	250	1,39	4
FC83530□□	75,4	350	300	1,51	4
FC84020□□	75,4	400	200	1,32	6
FC84025□□	75,4	400	250	1,46	6
FC84030□□	75,4	400	300	1,78	6
FC84040□□	75,4	400	400	2,24	8
FC85025□□	75,4	500	250	1,81	6
FC85030□□	75,4	500	300	2,08	6
FC85040□□	75,4	500	400	2,62	8
FC86030□□	75,4	600	300	2,39	6
FC86040□□	75,4	600	400	3,00	8
FC101010□□	100,4	100	100	0,31	4
FC101510□□	100,4	150	100	0,43	4
FC101515□□	100,4	150	150	0,56	4
FC102010□□	100,4	200	100	0,54	4
FC102015□□	100,4	200	150	0,70	4
FC102020□□	100,4	200	200	0,85	4
FC102515□□	100,4	250	150	0,83	4
FC102520□□	100,4	250	200	1,01	4
FC102525□□	100,4	250	250	1,19	4
FC103015□□	100,4	300	150	0,97	4
FC103020□□	100,4	300	200	1,16	4
FC103025□□	100,4	300	250	1,36	4
FC103030□□	100,4	300	300	1,57	4
FC103520□□	100,4	350	200	1,32	4
FC103525□□	100,4	350	250	1,54	4
FC103530□□	100,4	350	300	1,77	4
FC104020□□	100,4	400	200	1,47	6
FC104025□□	100,4	400	250	1,72	6
FC104030□□	100,4	400	300	1,96	6
FC104040□□	100,4	400	400	2,45	8
FC105025□□	100,4	500	250	1,99	6
FC105030□□	100,4	500	300	2,27	6
FC105040□□	100,4	500	400	2,84	8
FC106030□□	100,4	600	300	2,60	6
FC106040□□	100,4	600	400	2,70	8
FC131010□□	125,4	100	100	0,35	4
FC131510□□	125,4	150	100	0,47	4
FC131515□□	125,4	150	150	0,61	4
FC132010□□	125,4	200	100	0,59	4
FC132015□□	125,4	200	150	0,75	4
FC132020□□	125,4	200	200	0,92	4
FC132515□□	125,4	250	150	0,90	4

Best.-Nr. part no.	H	W	D	Gewicht (kg) weight (kg)	Montageplatte Schraube Stck mounting panel screw pcs
FC132520□□	125,4	250	200	1,08	4
FC132525□□	125,4	250	250	1,27	4
FC133015□□	125,4	300	150	1,04	4
FC133020□□	125,4	300	200	1,24	4
FC133025□□	125,4	300	250	1,44	4
FC133030□□	125,4	300	300	1,66	4
FC133520□□	125,4	350	200	1,40	4
FC133525□□	125,4	350	250	1,63	4
FC133530□□	125,4	350	300	1,86	4
FC134020□□	125,4	400	200	1,56	6
FC134025□□	125,4	400	250	1,81	6
FC134030□□	125,4	400	300	2,06	6
FC134040□□	125,4	400	400	2,56	8
FC135025□□	125,4	500	250	2,09	6
FC135030□□	125,4	500	300	2,38	6
FC135040□□	125,4	500	400	2,96	8
FC136030□□	125,4	600	300	2,89	6
FC136040□□	125,4	600	400	3,36	8
FC151010□□	150,4	100	100	0,40	4
FC151510□□	150,4	150	100	0,54	4
FC151515□□	150,4	150	150	0,70	4
FC152010□□	150,4	200	100	0,68	4
FC152015□□	150,4	200	150	0,85	4
FC152020□□	150,4	200	200	1,04	4
FC152515□□	150,4	250	150	1,02	4
FC152520□□	150,4	250	200	1,22	4
FC152525□□	150,4	250	250	1,42	4
FC153015□□	150,4	300	150	1,17	4
FC153020□□	150,4	300	200	1,40	4
FC153025□□	150,4	300	250	1,62	4
FC153030□□	150,4	300	300	1,85	4
FC153520□□	150,4	350	200	1,58	4
FC153525□□	150,4	350	250	1,82	4
FC153530□□	150,4	350	300	2,07	4
FC154020□□	150,4	400	200	1,76	6
FC154025□□	150,4	400	250	2,02	6
FC154030□□	150,4	400	300	2,29	6
FC154040□□	150,4	400	400	2,83	8
FC155025□□	150,4	500	250	2,32	6
FC155030□□	150,4	500	300	2,63	6
FC155040□□	150,4	500	400	3,25	8
FC156030□□	150,4	600	300	2,98	6
FC156040□□	150,4	600	400	3,66	8

■ Bei Bestellung bitte Farbcode ergänzen. ■ Please suffix color code at the end of part number □□ when ordering FC series

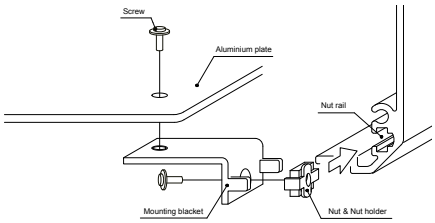
FCC Montageplatte für FC FCW FCH

FCC mounting plate for FC FCW FCH



- Verfügbar in zwei Höhen 12 mm, 22 mm für Montagewinkel,
- 22 mm Montagewinkel für Serie FCW einsetzen,
- Nicht nutzbar für Serie FC4 (H = 37.9mm).

- Available in12 mm and 22 mm heights for mounting brackets,
- Use 22 mm height mounting bracket if open/close panel and plate is used,
- Not suitable for FC4 (H=37,9mm).



So montieren Sie die Platte:

1. Schieben Sie die M3 Mutter und den Mutternhalter in die Schiene des Rahmens.
2. Befestigen Sie den Montagewinkel.
3. Befestigen Sie die Platte auf dem Montagewinkel

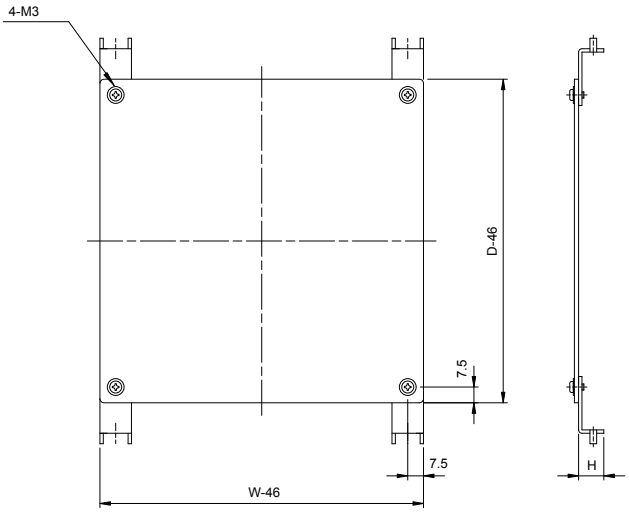
How to assemble:

1. Slide a M3 nut and nut holder into nut rail of frame.
2. Screw mounting bracket into the nut holder.
3. Screw the mounting plate onto the mounting bracket.

Einzelteile - components

Ref. Nr. ref. no.	Bezeichnung part name	Material	Farbe / Oberfläche color / finish
1	Montageplatte mounting plate	Aluminium aluminium	unbearbeitet unfinished
2	Montagewinkel mounting bracket	Stahl t = 1.6 mm steel t=1.6mm	verzinkt zinc coated
3	M3 Mutter M3 nut	Stahl t = 1.6 mm steel t=1.6mm	chromatiert trivalent chromate
4	Mutternhaltern nut holder	POM	schwarz black
–	Schraube screw	Stahl M3×6 steel M3x6	chromatiert trivalent chromate

Gehäusegröße 100×100mm bis 350×300mm
Box size 100×100mm to 350×300mm

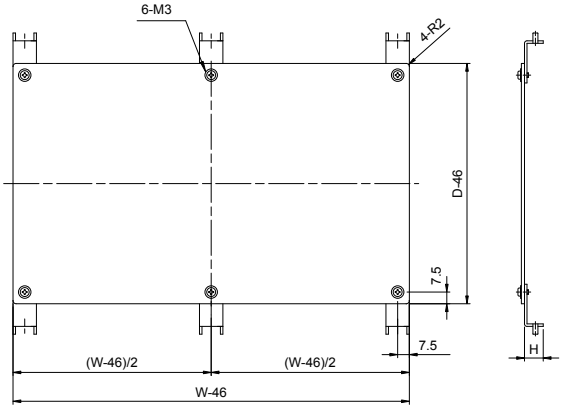


Best.- Nr. / Maße - part no. / dimensions

Best.- Nr. part no.	H	W×D / D×W box WxD / DxW	Best.- Nr. part no.	H	W×D / D×W box WxD / DxW
FCC10101	12	100×100	FCC10102	22	100×100
FCC15101	12	150×100	FCC15102	22	150×100
FCC15151	12	150×150	FCC15152	22	150×150
FCC20101	12	200×100	FCC20102	22	200×100
FCC20151	12	200×150	FCC20152	22	200×150
FCC20201	12	200×200	FCC20202	22	200×200
FCC25151	12	250×150	FCC25152	22	250×150
FCC25201	12	250×200	FCC25202	22	250×200
FCC25251	12	250×250	FCC25252	22	250×250
FCC30151	12	300×150	FCC30152	22	300×150
FCC30201	12	300×200	FCC30202	22	300×200
FCC30251	12	300×250	FCC30252	22	300×250
FCC30301	12	300×300	FCC30302	22	300×300
FCC35201	12	350×200	FCC35202	22	350×200
FCC35251	12	350×250	FCC35252	22	350×250
FCC35301	12	350×300	FCC35302	22	350×300

- Inklusive M3×6 Schraube 8 Stück
- Including M3×6 screw 8 pcs

Gehäusegröße 400 · 500 · 600mm × 200 · 250 · 300mm
Box size 400 · 500 · 600mm × 200 · 250 · 300mm



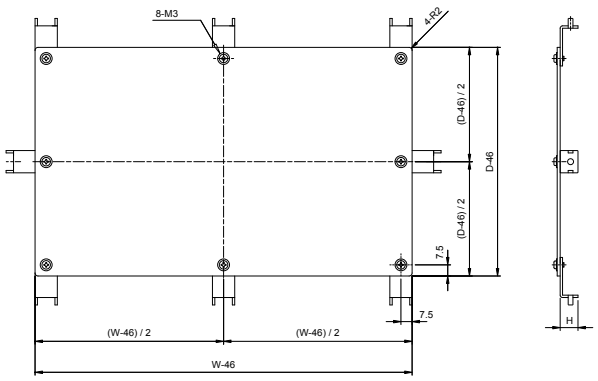
Best.- Nr. / Maße - part no. / dimensions

Best.- Nr. part no.	H	W×D / D×W box WxD / DxW	Best.- Nr. part no.	H	W×D / D×W box WxD / DxW
FCC40201	12	400×200	FCC40202	22	400×200
FCC40251	12	400×250	FCC40252	22	400×250
FCC40301	12	400×300	FCC40302	22	400×300
FCC50251	12	500×250	FCC50252	22	500×250
FCC50301	12	500×300	FCC50302	22	500×300
FCC60301	12	600×300	FCC60302	22	600×300

- Inklusive M3×6 Schraube 12 Stück
- Including M3×6 screw 12 pcs

FCC Montageplatte

Series FCC mounting plate



Gehäusegröße 400 · 500 · 600mm × 400mm
Box size 400 · 500 · 600mm × 400mm

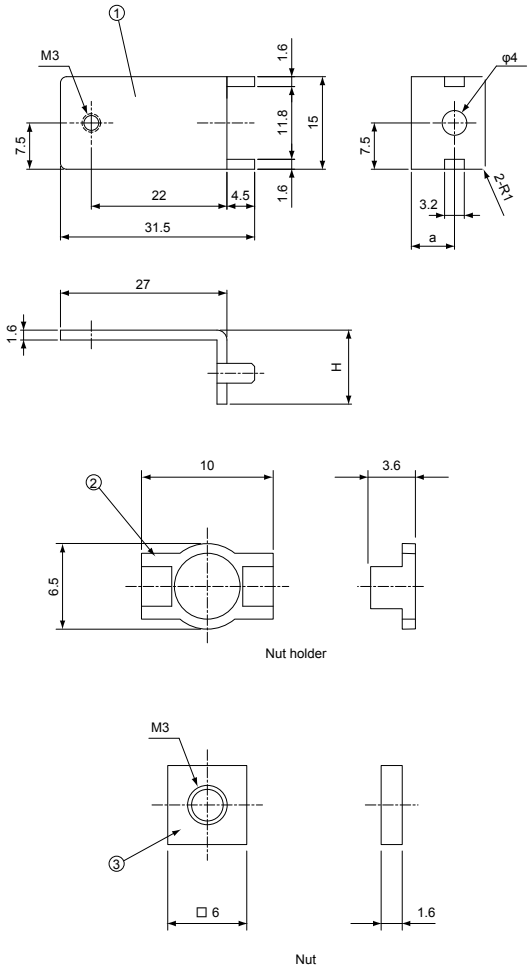
- Inklusive M3×6 Schraube 16 Stück
- Include M3×6 screw 16 pieces

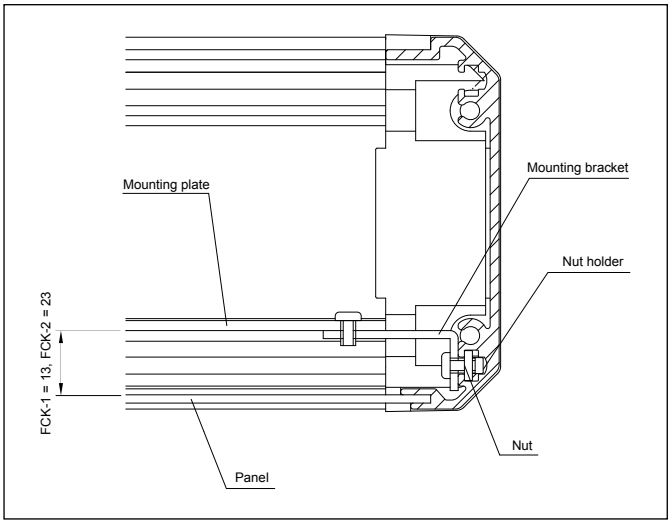
Best.-Nr. / Maße - part no. / dimensions

Best.-Nr. part no.	H	W×D / D×W box WxD / DxW	Best.- Nr. part no.	H	W×D / D×W box WxD / DxW
FCC40401	12	400×400	FCC40402	22	400×400
FCC50401	12	500×400	FCC50402	22	500×400
FCC60401	12	600×400	FCC60402	22	600×400

FCK Montagewinkel

FCK mounting bracket





- Montagewinkel für Leiterplatte oder DIN-Schiene.
- Nicht nutzbar für die Serie FC4.

- Mounting bracket for PCB or DIN-rail.
- Not suitable for FC4 series.

Einzelteile - components

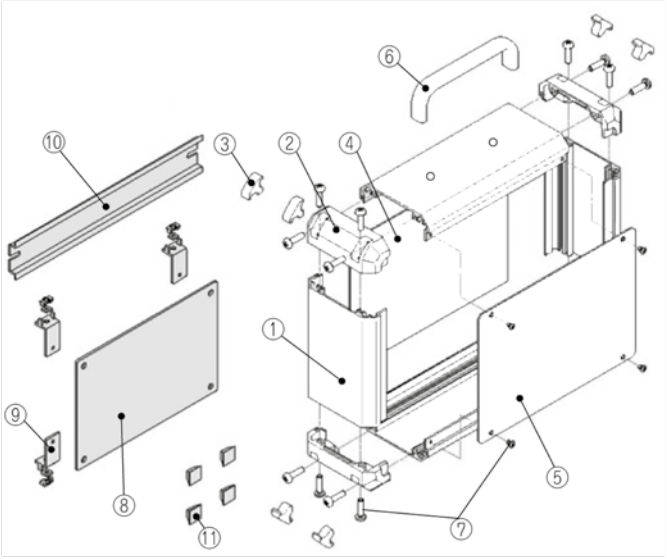
Ref. Nr. ref. no	Bezeichnung part name	Material material	1 Paket 1 pack	Farbe / Oberfläche color / finish
1	Montagewinkel mounting bracket	Stahl t = 1.6mm steel t = 1.6mm	10 stck 10 pcs	verzinkt zinc coated
2	Mutternhalter nut holder	POM	10 stck 10 pcs	schwarz black
3	Mutter nut	Stahl t = 1.6 mm steel t = 1.6 mm	10 stck 10 pcs	chromatiert trivalent chromate
4	Schraube screw	Stahl M3 × 6 steel M3 x 6	20 stck 20 pcs	chromatiert trivalent chromate

Best.-Nr. / Maße - part no. / dimensions

Best.-Nr. / part no.	H	a
FCK1	12	7
FCK2	22	17

Serie FCH Kontrollgehäuse mit Tragegriff

Series FCH control box with carrying handle



Eigenschaften

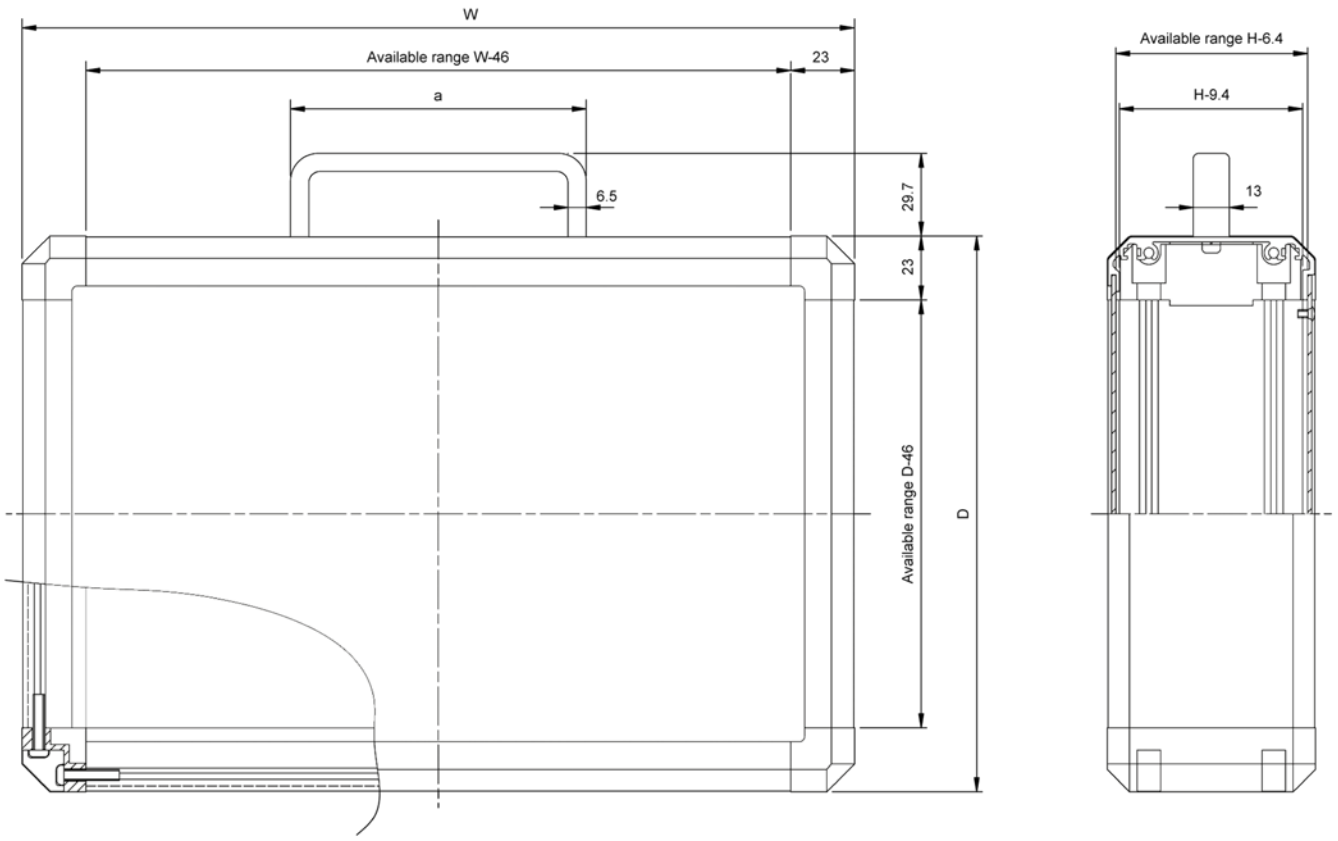
- Erhältlich in 23 Größen, stabil konstruiertes Alugehäuse mit Tragegriff.
- Aluminium-Profil-Gehäuse, bestehend aus Aluminium-Strangpressprofilen, ABS-Eckverbindungen und Aluminiumplatten.
- Beide Seiten können als Frontplatte verwendet werden.

Features

- Available in 23 sizes, stable designed aluminium box with carrying handle.
- Simple design structure, box consisting of aluminium extrusion frames, ABS corner joints, and aluminium plates.
- Both, slided in panel and screwed panel, can be used as front panel.

Ref. Nr. ref. no.	Bezeichnung part name	Stück pcs	Material	Farbe / Oberfläche color / finish
1	Rahmen frame	4	Aluminiumprofil aluminium extrusion	silber / schwarz eloxiert Silver / black anodized
2	Eckverbinder corner block	4	ABS	lichtgrau / schwarz light gray / black
3	Blindstopfen blind plug	8	TPE	lichtgrau / schwarz light gray / black
4	Frontplatte slided panel	1	Aluminium t = 1.5	silber eloxiert silver anodized
			Aluminium t = 1.5	schwarz lackiert black painted
5	Rückseite screwed panel	1	Aluminium t = 1.5	silber eloxiert silver anodized
			Aluminium t = 1.5	schwarz verchromt black plated
6	Tragegriff carrying handle	1	Aluminiumprofil aluminium extrusion	silber / schwarz eloxiert silver / black anodized
7	Schraube screw	1 Satz 1 set	Stahl M3 und M4 steel M3 und M4	vernickelt / chromatiert nickel plated / trivalent chromate

Serie FC und FCH Maße — FC Series and FCH dimensions



Farbcode color code	Ecken corners	Rahmen frame	Platte panel	Griff handle
GS	lichtgrau light gray	silber silver	silber silver	silber silver
BB	schwarz black	schwarz black	schwarz black	schwarz black

■ Farbcode □□ (bei Bestellung ergänzen) - ■ color type □□ (suffix when order)

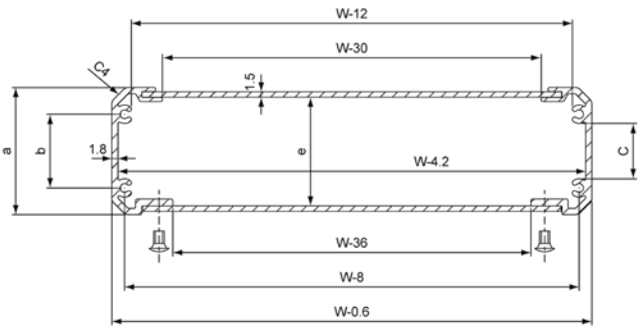
Maße / dimensions

Best.-Nr. part no.	H	W	D	a	Gewicht(kg) weight (kg)
FCH82015□□	75,4	200	150	106,5	0,65
FCH82020□□	75,4	200	200	106,5	0,79
FCH82515□□	75,4	250	150	106,5	0,77
FCH82520□□	75,4	250	200	106,5	0,93
FCH82525□□	75,4	250	250	106,5	1,10
FCH83020□□	75,4	300	200	126,5	1,07
FCH83025□□	75,4	300	250	126,5	1,26
FCH83030□□	75,4	300	300	126,5	1,45
FCH83520□□	75,4	350	200	126,5	1,22
FCH83525□□	75,4	350	250	126,5	1,42
FCH83530□□	75,4	350	300	126,5	1,54
FCH84025□□	75,4	400	250	126,5	1,49
FCH84030□□	75,4	400	300	126,5	1,81
FCH84040□□	75,4	400	400	126,5	2,27

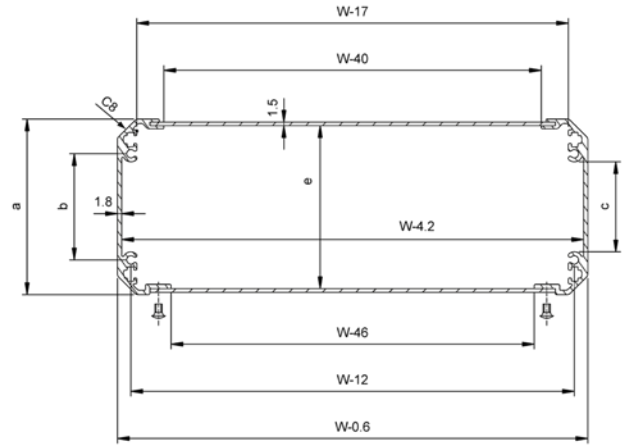
Best.-Nr. part no.	H	W	D	a	Gewicht(kg) weight (kg)
FCH103020□□	100,4	300	200	126,5	1,19
FCH103025□□	100,4	300	250	126,5	1,39
FCH103030□□	100,4	300	300	126,5	1,60
FCH103520□□	100,4	350	200	126,5	1,35
FCH103525□□	100,4	350	250	126,5	1,57
FCH103530□□	100,4	350	300	126,5	1,80
FCH104025□□	100,4	400	250	126,5	1,75
FCH104030□□	100,4	400	300	126,5	1,99
FCH104040□□	100,4	400	400	126,5	2,48

Serie FC und FCH Maße FC Series and FCH dimensions

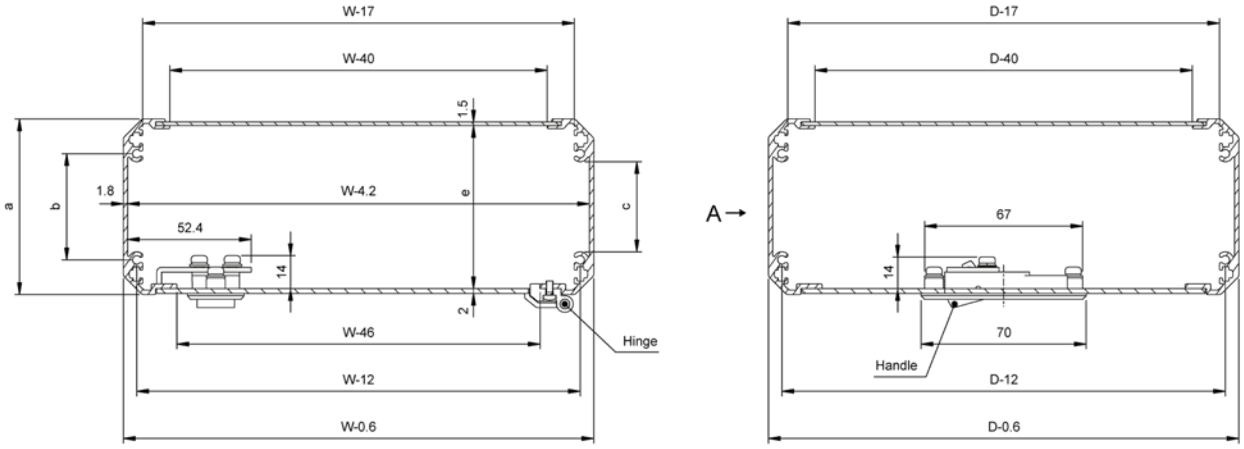
FC4 series



FC5 · FC6 · FC8 · FC10 · FC13 · FC15 · FCH series



FCW series

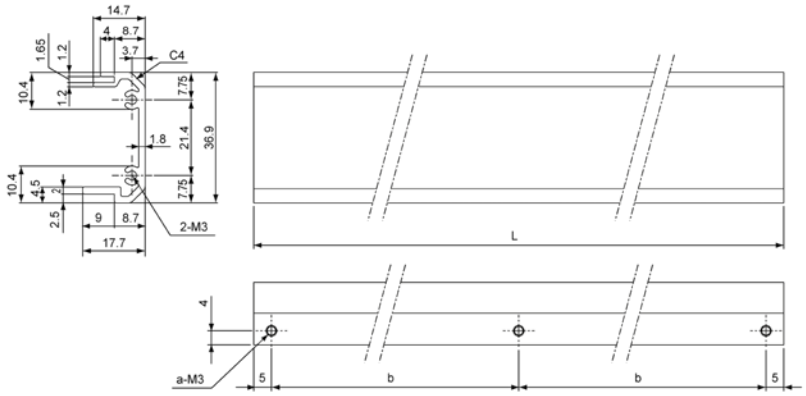


W side D side

Höhe (mm) height (mm)	a	b	c	e
37,9	36,9	21,4	16	31,5
50,4	49,4	20	13,2	44
62,9	61,9	32,5	25,7	56,5
75,4	74,4	45	38,2	69
100,4	99,4	70	63,2	94
125,4	124,4	95	88,2	119
150,4	149,4	120	113,2	144

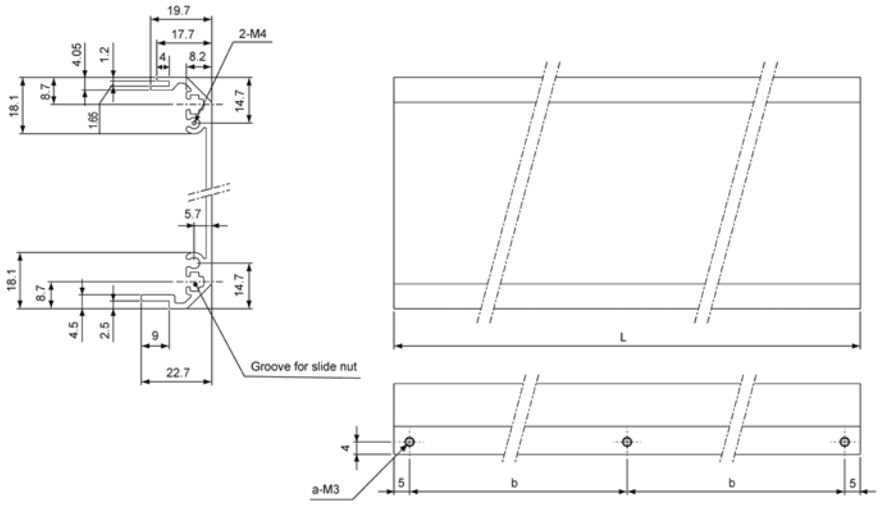
Rahmen / frame

FC4 series



W / D box W / D size	L	a	b
90	54	2	–
140	104	2	–
190	154	2	–
240	204	2	–
290	254	2	–
340	304	2	–
390	354	3	172
490	454	3	222
590	554	3	272

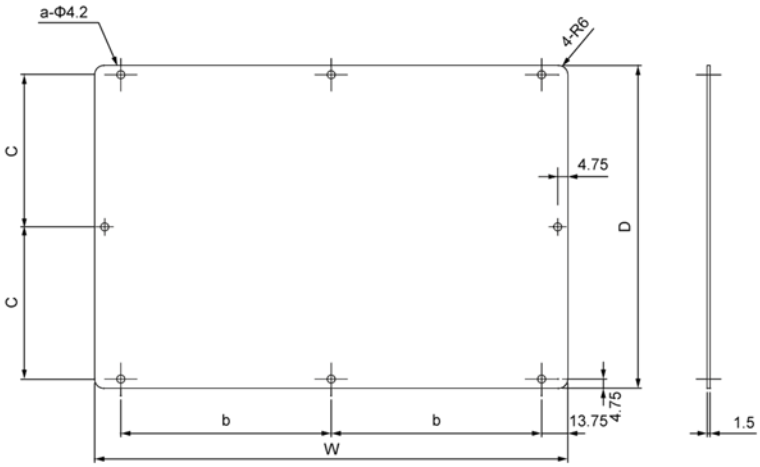
FC5 · FC6 · FC8 · FC10 · FC13 · FC15 · FCH series



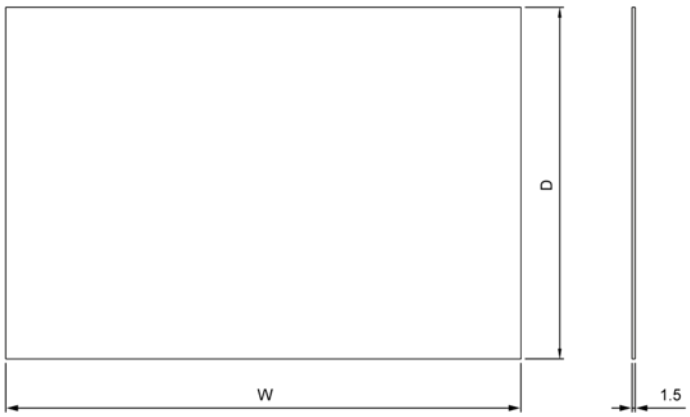
Gehäuse W / D Größe box W / D Size	L	a	b
100	54	2	–
150	104	2	–
200	154	2	–
250	204	2	–
300	254	2	–
350	304	2	–
400	354	3	172
500	454	3	222
600	554	3	272

FC / FCW / FCH
Komponenten und Bauteile

FC / FCW / FCH
components



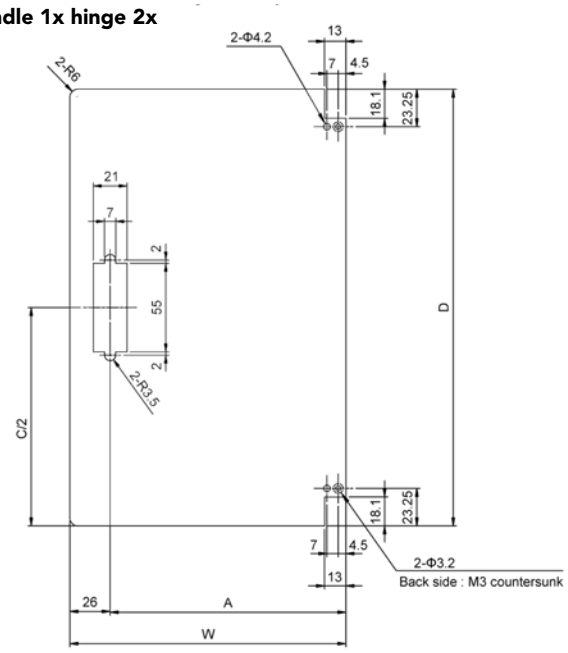
Gehäuse W / D Größe box W / D size	W	D	a	b	c
100×100(90× 90)	71,5	71,5	4	–	–
150×100(140× 90)	121,5	71,5	4	–	–
150×150(140×140)	121,5	121,5	4	–	–
200×100(190× 90)	171,5	71,5	4	–	–
200×150(190×140)	171,5	121,5	4	–	–
200×200(190×190)	171,5	171,5	4	–	–
250×150(240×140)	221,5	121,5	4	–	–
250×200(240×190)	221,5	171,5	4	–	–
250×250(240×240)	221,5	221,5	4	–	–
300×150(290×140)	271,5	121,5	4	–	–
300×200(290×190)	271,5	171,5	4	–	–
300×250(290×240)	271,5	221,5	4	–	–
300×300(290×290)	271,5	271,5	4	–	–
350×200(340×190)	321,5	171,5	4	–	–
350×250(340×240)	321,5	221,5	4	–	–
350×300(340×290)	321,5	271,5	4	–	–
400×200(390×190)	371,5	171,5	6	172	–
400×250(390×240)	371,5	221,5	6	172	–
400×300(390×290)	371,5	271,5	6	172	–
400×400(390×390)	371,5	371,5	8	172	181
500×250(490×240)	471,5	221,5	6	222	–
500×300(490×290)	471,5	271,5	6	222	–
500×400(490×390)	471,5	371,5	8	222	181
600×300(590×290)	571,5	271,5	6	272	–
600×400(590×390)	571,5	371,5	8	272	181



Gehäuse W / D Größe box W / D size	W	D
100×100(90× 90)	71,9	71,9
150×100(140× 90)	121,9	71,9
150×150(140×140)	121,9	121,9
200×100(190× 90)	171,9	71,9
200×150(190×140)	171,9	121,9
200×200(190×190)	171,9	171,9
250×150(240×140)	221,9	121,9
250×200(240×190)	221,9	171,9
250×250(240×240)	221,9	221,9
300×150(290×140)	271,9	121,9
300×200(290×190)	271,9	171,9
300×250(290×240)	271,9	221,9
300×300(290×290)	271,9	271,9
350×200(340×190)	321,9	171,9
350×250(340×240)	321,9	221,9
350×300(340×290)	321,9	271,9
400×200(390×190)	371,9	171,9
400×250(390×240)	371,9	221,9
400×300(390×290)	371,9	271,9
400×400(390×390)	371,9	371,9
500×250(490×240)	471,9	221,9
500×300(490×290)	471,9	271,9
500×400(490×390)	471,9	371,9
600×300(590×290)	571,9	271,9
600×400(590×390)	571,9	371,9

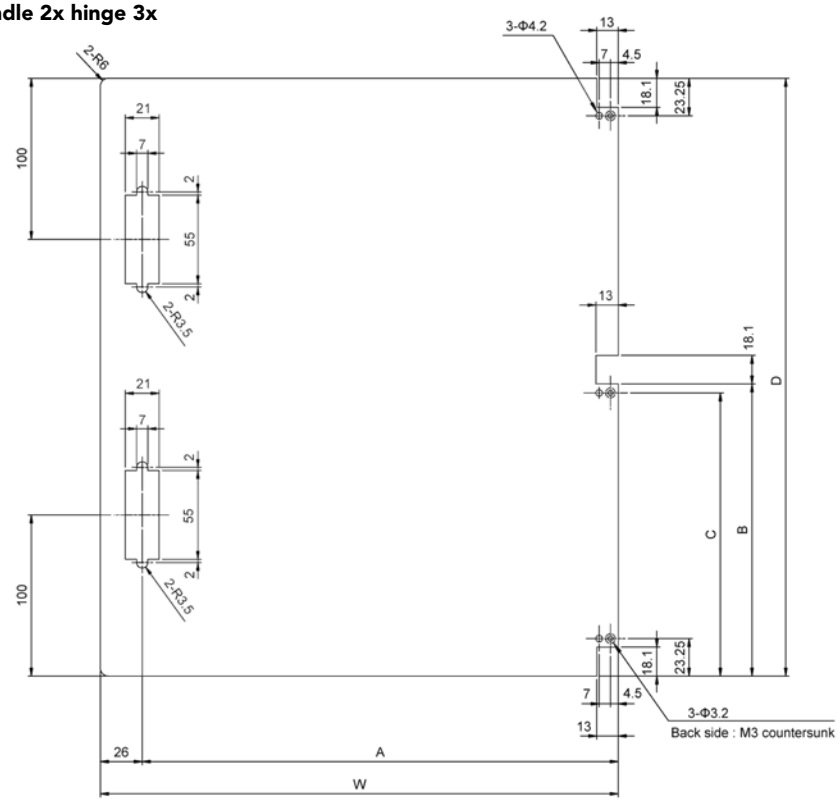
Fronttür / open-closing panel

Griff 1x Scharnier 2x
handle 1x hinge 2x



Gehäuse W / D Größe box W / D Size	W	D	A
150×200	121	171	95
150×250	121	221	95
200×150	171	121	145
200×200	171	171	145
200×250	171	221	145
200×300	171	271	145
250×250	221	221	195
250×300	221	271	195
250×400	221	371	195
300×200	271	171	245
300×300	271	271	245
300×400	271	371	245
350×250	321	221	295
400×300	371	271	345
400×400	371	371	345

Griff 2x Scharnier 3x
handle 2x hinge 3x



Gehäuse W / D Größe box W / D size	W	D	A	B	C
300×500	271	471	245	231,3	225,75
400×500	371	471	345	231,3	225,75
400×600	371	571	345	281,3	275,75

Serie FCW
Kontrollgehäuse

Series FCW
open-closing control box

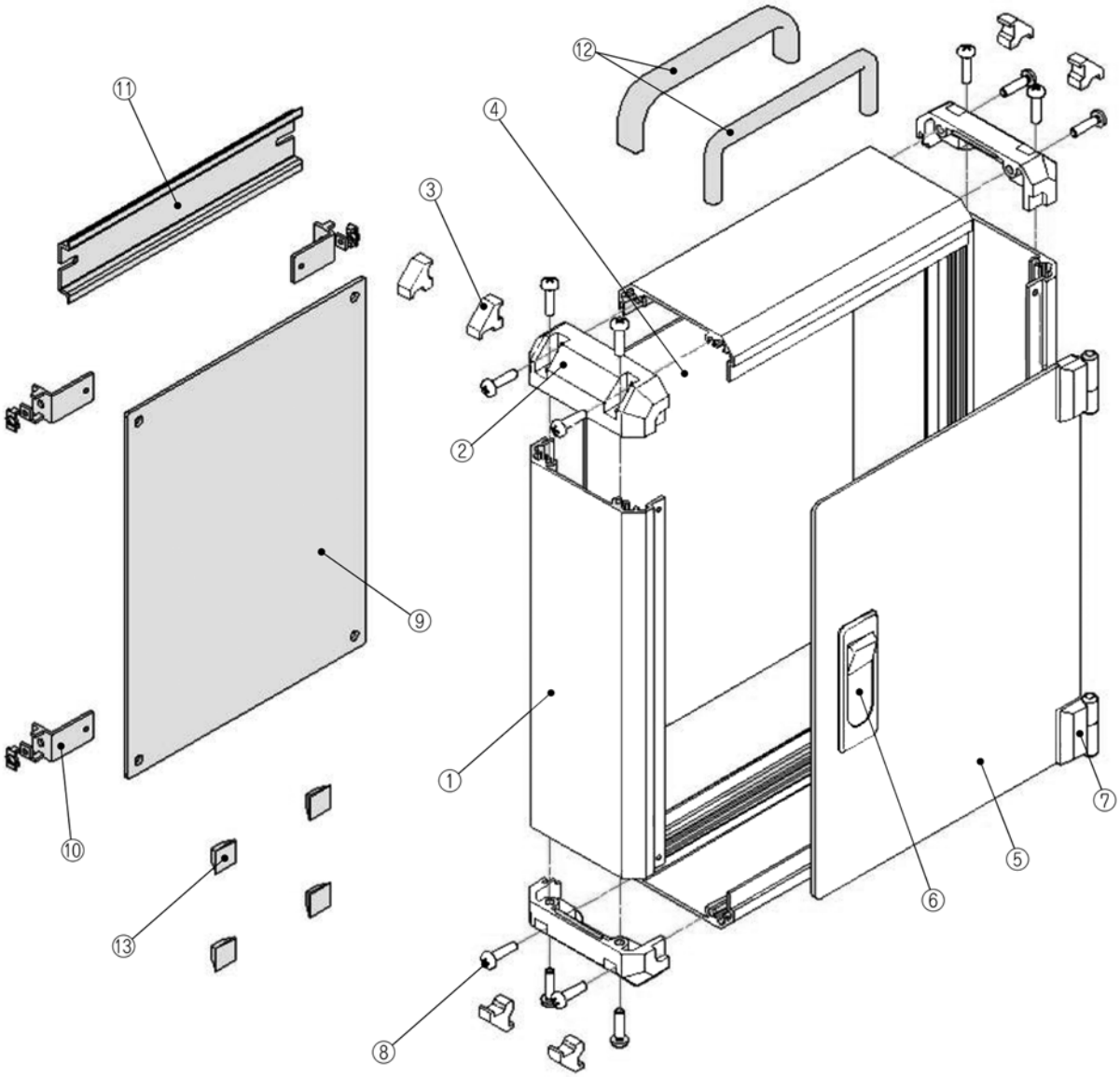
Eigenschaften

- In 108 Größen verfügbar,
- Mit Fronttür aus Aluminium,
- 4 Farbkombinationen,
- Mit und ohne Schloss lieferbar,
- Verwendbar für Verteilerschränke, Schaltkästen, Display-Gehäuse mit Touch-Panel etc.,
- Montageplatten als Zubehör.

Features

- Available in 108 sizes,
- open-closing type aluminium box,
- 4 color combinations available,
- with and without key lock types are prepared,
- usable for distribution enclosures, control boxes, display enclosures with touch panels,
- mounting plates available as an accessory.

Montagezeichnung assembly drawing

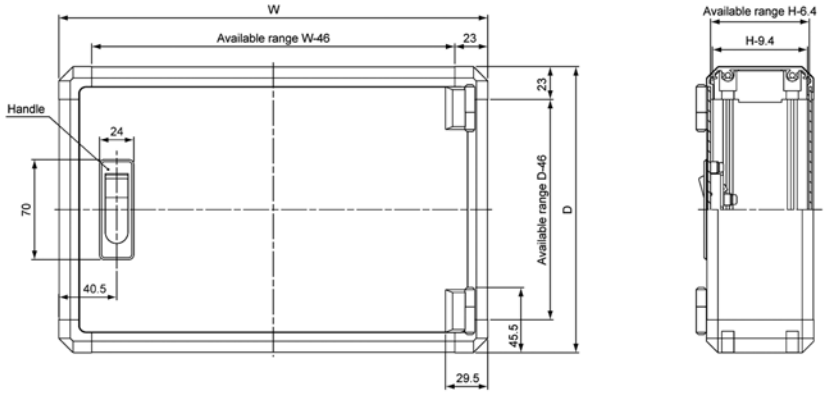


Ref.-Nr. ref. no.	Artikelbezeichnung part name	Stück pcs	Material	Farbe / Oberfläche color / finish
1	Rahmen frame	4	Aluminiumprofil aluminium extrusion	silber / schwarz eloxiert silver / black anodized
2	Eckverbinder corner block	4	ABS	lichtgrau / schwarz light gray / black
3	Blindstopfen blind plug	8	TPE	lichtgrau / schwarz light gray / black
4	Rückwand slide panel	1	Aluminium t = 2,0	silber eloxiert silver anodized
			Aluminium t = 2,0	schwarz lackiert black painted
5	Fronttür open-closing panel	1	Aluminium t = 2,0	silber eloxiert siver anodized
			Aluminium t = 2,0	schwarz eloxiert black anodized
6	Tragegriff handle	1 Satz 1 Set	Zinkdruckguss zinc die-cast	silber / schwarz verchromt silver / black chromate
7	Schanier hinge	1Satz 1 Set	Zinkdruckguss zinc die-cast	silber / schwarz verchromt silver / black chromate
8	Schrauben screws	1 Satz 1 Set	Stahl M3 und M4 steel M3 and M4	vernickelt nickel plated
–	Panel Schutzpolster panel protection pad	6	Hartschaum polylefin foam	schwarz black

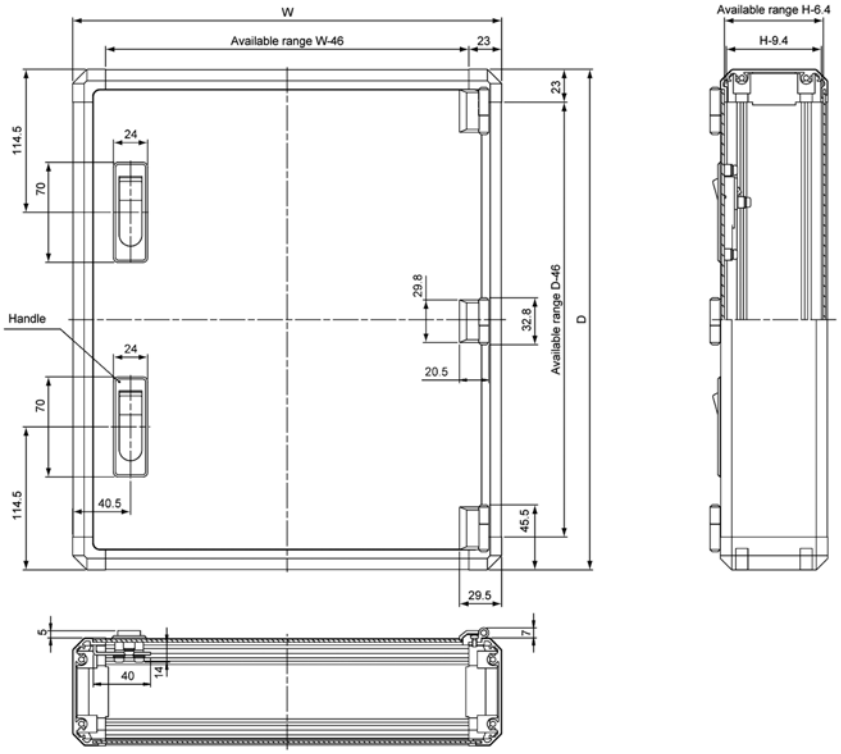
Schloss- und Farbvarianten lock and color options

N : Ohne Schlüssel		without key		K : Mit Schlüssel		with key	
GS		**BS**		**BX**		**BB**	
Grundplatte:	silber	Grundplatte:	silber	Grundplatte:	silber	Grundplatte:	schwarz
Rahmen:	silber	Rahmen:	silber	Rahmen:	schwarz	Rahmen:	schwarz
Ecken:	grau	Ecken:	schwarz	Ecken:	schwarz	Ecken:	schwarz
Griff:	silber	Griff:	silber	Griff:	schwarz	Griff:	schwarz
Base plate:	silver	Base plate:	silver	Base plate:	silver	Base plate:	black
Frame:	silver	Frame:	silver	Frame:	black	Frame:	black
Corner:	gray	Corner:	black	Corner:	black	Corner:	black
Handle:	silver	Handle:	silver	Handle:	black	Handle:	black

1Griff, 2 Schaniere, geeignet für FCW□3050,□4050, □4060
Handle 1pcs, Hinge 2pcs type, except for FCW□3050, □4050, □4060



2 Griffe, 3 Schaniere, geeignet für FCW□3050,□4050, □4060
Handle 2pcs, Hinge 3pcs type, except for FCW□3050,□4050, □4060



Bestellnummer und Maße — part number and dimensions

Bestellnummer wie folgt ergänzen FCW52015 □ Griff □ □ Siehe Farbcodetabelle Farbe

Please suffix handle - and color code FCW52015 □ handle □ □ color code color

Best.-Nr. part no.	H	W	D	Gewicht weight	Griff handle	Scharnier hinge
FCW51520□□□	50,4	150	200	0,69	1	2
FCW51525□□□	50,4	150	250	0,80	1	2
FCW52015□□□	50,4	200	150	0,69	1	2
FCW52020□□□	50,4	200	200	0,83	1	2
FCW52025□□□	50,4	200	250	0,97	1	2
FCW52030□□□	50,4	200	300	1,11	1	2
FCW52525□□□	50,4	250	250	1,14	1	2
FCW52530□□□	50,4	250	300	1,30	1	2
FCW52540□□□	50,4	250	400	1,63	1	2
FCW53020□□□	50,4	300	200	1,11	1	2
FCW53030□□□	50,4	300	300	1,50	1	2
FCW53040□□□	50,4	300	400	1,87	1	2
FCW53050□□□	50,4	300	500	2,28	2	3
FCW53525□□□	50,4	350	250	1,47	1	2
FCW54030□□□	50,4	400	300	1,88	1	2
FCW54040□□□	50,4	400	400	2,37	1	2
FCW54050□□□	50,4	400	500	2,82	2	3
FCW54060□□□	50,4	400	600	3,28	2	3
FCW61520□□□	62,9	150	200	0,72	1	2
FCW61525□□□	62,9	150	250	0,84	1	2
FCW62015□□□	62,9	200	150	0,72	1	2
FCW62020□□□	62,9	200	200	0,86	1	2
FCW62025□□□	62,9	200	250	1,01	1	2
FCW62030□□□	62,9	200	300	1,16	1	2
FCW62525□□□	62,9	250	250	1,18	1	2
FCW62530□□□	62,9	250	300	1,35	1	2
FCW62540□□□	62,9	250	400	1,69	1	2
FCW63020□□□	62,9	300	200	1,16	1	2
FCW63030□□□	62,9	300	300	1,55	1	2
FCW63040□□□	62,9	300	400	1,93	1	2
FCW63050□□□	62,9	300	500	2,35	2	3
FCW63525□□□	62,9	350	250	1,46	1	2
FCW64030□□□	62,9	400	300	1,94	1	2
FCW64040□□□	62,9	400	400	2,44	1	2
FCW64050□□□	62,9	400	500	2,94	2	3
FCW64060□□□	62,9	400	600	3,36	2	3
FCW81520□□□	75,4	150	200	0,76	1	2
FCW81525□□□	75,4	150	250	0,88	1	2
FCW82015□□□	75,4	200	150	0,76	1	2
FCW82020□□□	75,4	200	200	0,91	1	2
FCW82025□□□	75,4	200	250	1,06	1	2
FCW82030□□□	75,4	200	300	1,21	1	2
FCW82525□□□	75,4	250	250	1,24	1	2
FCW82530□□□	75,4	250	300	1,41	1	2
FCW82540□□□	75,4	250	400	1,76	1	2
FCW83020□□□	75,4	300	200	1,21	1	2
FCW83030□□□	75,4	300	300	1,62	1	2
FCW83040□□□	75,4	300	400	2,02	1	2
FCW83050□□□	75,4	300	500	2,44	2	3
FCW83525□□□	75,4	350	250	1,59	1	2
FCW84030□□□	75,4	400	300	2,02	1	2
FCW84040□□□	75,4	400	400	2,53	1	2
FCW84050□□□	75,4	400	500	3,05	2	3
FCW84060□□□	75,4	400	600	3,47	2	3

Best.-Nr. part no.	H	W	D	Gewicht weight	Griff handle	Scharnier hinge
FCW101520□□□	100,4	150	200	0,83	1	2
FCW101525□□□	100,4	150	250	0,97	1	2
FCW102015□□□	100,4	200	150	0,83	1	2
FCW102020□□□	100,4	200	200	1,00	1	2
FCW102025□□□	100,4	200	250	1,17	1	2
FCW102030□□□	100,4	200	300	1,33	1	2
FCW102525□□□	100,4	250	250	1,36	1	2
FCW102530□□□	100,4	250	300	1,55	1	2
FCW102540□□□	100,4	250	400	1,93	1	2
FCW103020□□□	100,4	300	200	1,34	1	2
FCW103030□□□	100,4	300	300	1,77	1	2
FCW103040□□□	100,4	300	400	2,20	1	2
FCW103050□□□	100,4	300	500	2,64	2	3
FCW103525□□□	100,4	350	250	1,74	1	2
FCW104030□□□	100,4	400	300	2,21	1	2
FCW104040□□□	100,4	400	400	2,74	1	2
FCW104050□□□	100,4	400	500	3,27	2	3
FCW104060□□□	100,4	400	600	3,71	2	3
FCW131520□□□	125,4	150	200	0,89	1	2
FCW131525□□□	125,4	150	250	1,04	1	2
FCW132015□□□	125,4	200	150	0,89	1	2
FCW132020□□□	125,4	200	200	1,06	1	2
FCW132025□□□	125,4	200	250	1,32	1	2
FCW132030□□□	125,4	200	300	1,41	1	2
FCW132525□□□	125,4	250	250	1,44	1	2
FCW132530□□□	125,4	250	300	1,63	1	2
FCW132540□□□	125,4	250	400	2,02	1	2
FCW133020□□□	125,4	300	200	1,41	1	2
FCW133030□□□	125,4	300	300	1,94	1	2
FCW133040□□□	125,4	300	400	2,30	1	2
FCW133050□□□	125,4	300	500	2,74	2	3
FCW133525□□□	125,4	350	250	1,83	1	2
FCW134030□□□	125,4	400	300	2,30	1	2
FCW134040□□□	125,4	400	400	2,86	1	2
FCW134050□□□	125,4	400	500	3,39	2	3
FCW134060□□□	125,4	400	600	3,84	2	3
FCW151520□□□	150,4	150	200	0,96	1	2
FCW151525□□□	150,4	150	250	1,07	1	2
FCW152015□□□	150,4	200	150	0,91	1	2
FCW152020□□□	150,4	200	200	1,18	1	2
FCW152025□□□	150,4	200	250	1,37	1	2
FCW152030□□□	150,4	200	300	1,57	1	2
FCW152525□□□	150,4	250	250	1,59	1	2
FCW152530□□□	150,4	250	300	1,80	1	2
FCW152540□□□	150,4	250	400	2,23	1	2
FCW153020□□□	150,4	300	200	1,57	1	2
FCW153030□□□	150,4	300	300	2,05	1	2
FCW153040□□□	150,4	300	400	2,53	1	2
FCW153050□□□	150,4	300	500	2,99	2	3
FCW153525□□□	150,4	350	250	2,02	1	2
FCW154030□□□	150,4	400	300	2,53	1	2
FCW154040□□□	150,4	400	400	3,12	1	2
FCW154050□□□	150,4	400	500	3,68	2	3
FCW154060□□□	150,4	400	600	4,14	2	3

Serie MS Tischgehäuse

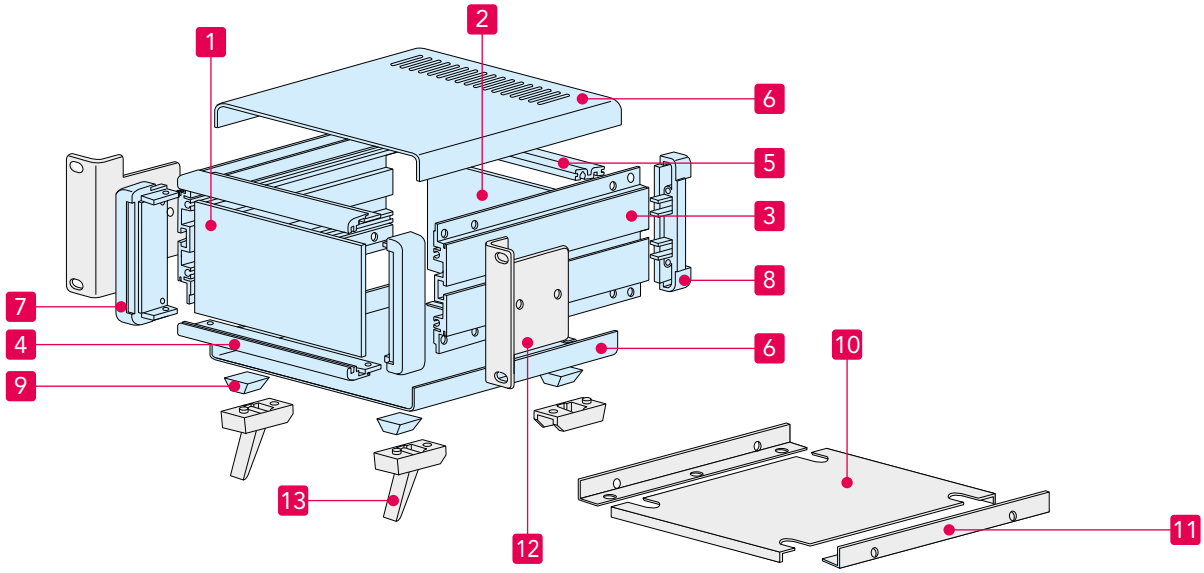
Series MS desktop enclosure

- Verfügbar in 176 Größen.
- Verdeckte Verschraubung.
- Mit zusätzlichen Winkeln auch als 19-Zoll-Einschub geeignet.
- Folgende Gehäusegrößen sind ohne Lüftungsschlitze im Deckel: 160×160, 160×230, 160×280, 210x160.

- Available in 176 sizes.
- Screws are not visable.
- Usable as rack mount case with optional mounting brackets.
- There are no ventilation holes for cover size of 160x160, 160x230, 160x280, 210x160 cases.

Anwendungen - Application examples

Montagezeichnung assembly drawing



Einzelteile

Nr.	Bezeichnung	Stück	Material	Farbe / Oberfläche
1	Frontplatte	1	Aluminium A1050P t=2.0	silber • schwarz / gebürstet & eloxiert
2	Rückplatte	1	Aluminium A1050P t=2.0	silber • schwarz / eloxiert
3	Seitenprofil	2	Aluminiumprofil A6063S-T5	grau • schwarz / beschichtet
4	Rahmen für Frontplatte	2	Aluminiumprofil A6063S-T5	grau • schwarz / beschichtet
5	Rahmen für Rückplatte	2	Aluminiumprofil A6063S-T5	silber / eloxiert
6	Deckel • Bodenblech	1 jeweils	Stahl SPCC t=1.0	Light gray • schwarz / beschichtet
7	Verbindungsecke	2	Aluminiumdruckguß ADC12	grau • schwarz / beschichtet
8	hintere Füße	2	ABS UL94V-0	grau • schwarz
9	Gummifüße	4	Polyurethan	schwarz

■ Front • Rückplatten werden mit Schutzfolie ausgeliefert.

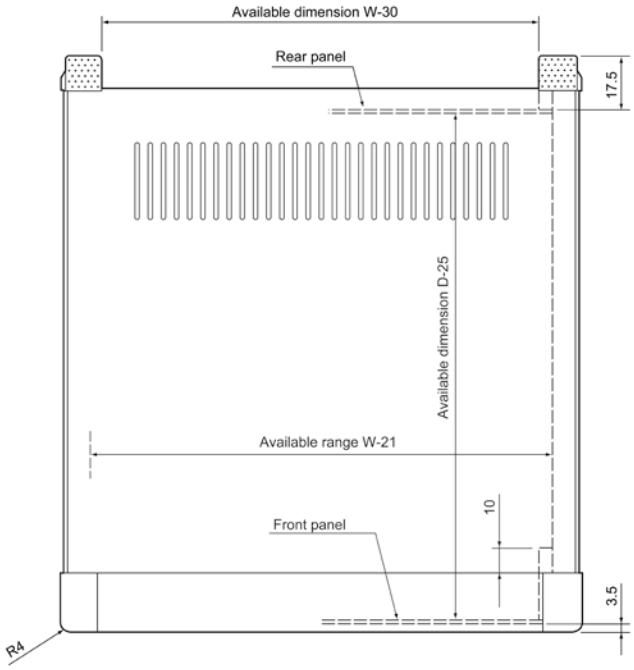
Components

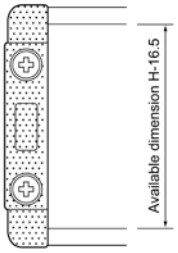
No.	Part name	Pcs	Material	Color / Finish
1	Front panel	1	Aluminium A1050P t=2.0	silver • black / hairline brushed & anodized
2	Rear panel	1	Aluminium A1050P t=2.0	silver • black / anodized
3	Side frame	2	Extruded aluminium A6063S-T5	gray • black / painted
4	Front frame	2	Extruded aluminium A6063S-T5	gray • black / painted
5	Rear frame	2	Extruded aluminium A6063S-T5	silver / anodized
6	Top • Bottom cover	1 each	Steel SPCC t=1.0	light gray • black / painted
7	Corner block	2	Diecast aluminium ADC12	gray • black / painted
8	Rear feet	2	ABS UL94V-0	gray • black
9	Rubber feet	4	Polyurethane	black

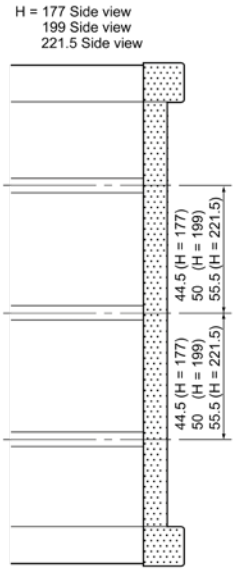
■ Front • Rear panels comes with a protective sheet cover.

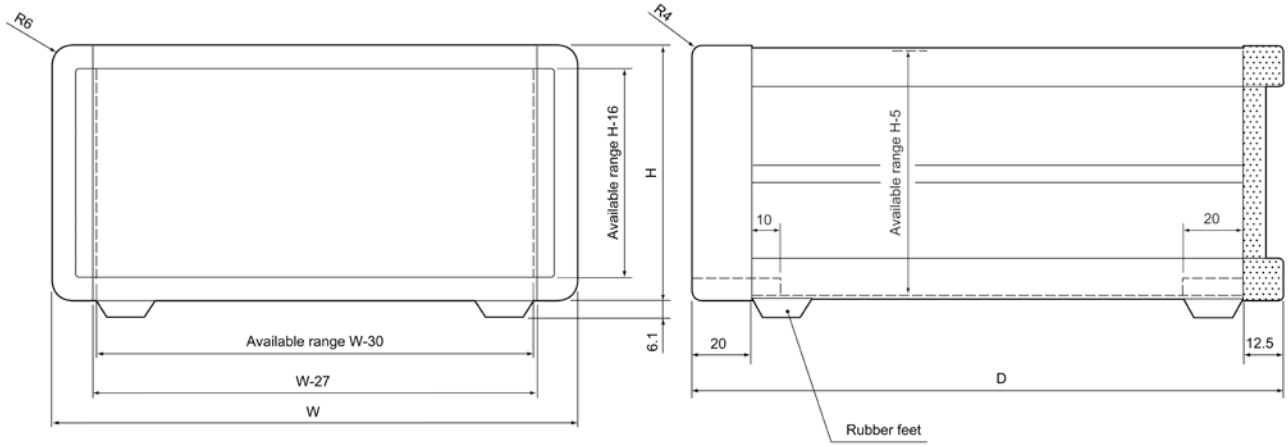
Serie MS - Maße

MS Series - dimensions









Farben (bei Bestellungen bitte Farbcode ergänzen)
Colors (please suffix color code at the end of the product number)

G	B	BS
Frontplatte: silber	Frontplatte: schwarz	Frontplatte: silber
Deckel: licht grau	Deckel: schwarz	Deckel: schwarz
Seitlicher Rahmen: grau	Seitlicher Rahmen: schwarz	Seitlicher Rahmen: schwarz
Panel: silver	Panel: black	Panel: silver
Cover: light gray	Cover: black	Cover: black
Side frame: gray	Side frame: black	Side frame: black

Ø	H	W	D	Gewicht(kg) Weight (kg)
※MS661616□	66	160	160	1,0
※661623□	66	160	230	1,3
※661628□	66	160	280	1,6
※662116□	66	210	160	1,2
662123□	66	210	230	1,6
662128□	66	210	280	1,8
662135□	66	210	350	2,2
662623□	66	260	230	1,8
662628□	66	260	280	2,1
662635□	66	260	350	2,6
663223□	66	320	230	2,1
663228□	66	320	280	2,5
663235□	66	320	350	3,0
663245□	66	320	450	3,7
663723□	66	370	230	2,4
663728□	66	370	280	2,8
663735□	66	370	350	3,3
663745□	66	370	450	4,1
664323□	66	430	230	2,7
664328□	66	430	280	3,1
664335□	66	430	350	3,7
664345□	66	430	450	4,6
※MS881616□	88	160	160	1,1
※881623□	88	160	230	1,5
※881628□	88	160	280	1,7
※882116□	88	210	160	1,3
882123□	88	210	230	1,8
882128□	88	210	280	2,1
882135□	88	210	350	2,5
882623□	88	260	230	2,0
882628□	88	260	280	2,5
882635□	88	260	350	2,8
883223□	88	320	230	2,3
883228□	88	320	280	2,8
883235□	88	320	350	3,2
883245□	88	320	450	4,0
883723□	88	370	230	2,6
883728□	88	370	280	3,0
883735□	88	370	350	3,6
883745□	88	370	450	4,4
884323□	88	430	230	2,9
884328□	88	430	280	3,4
884335□	88	430	350	4,0
884345□	88	430	450	5,0
※MS991616□	99	160	160	1,1
※991623□	99	160	230	1,5
※991628□	99	160	280	1,8
※992116□	99	210	160	1,4
992123□	99	210	230	1,8
992128□	99	210	280	2,1
992135□	99	210	350	2,5
992623□	99	260	230	2,0
992628□	99	260	280	2,4
992635□	99	260	350	2,8
993223□	99	320	230	2,4
993228□	99	320	280	2,8
993235□	99	320	350	3,3
993245□	99	320	450	4,0
993723□	99	370	230	2,6
993728□	99	370	280	3,0

Best.-Nr. Part no.	H	W	D	Gewicht(kg) Weight (kg)
MS993735□	99	370	350	3,6
993745□	99	370	450	4,5
994323□	99	430	230	3,0
994328□	99	430	280	3,4
994335□	99	430	350	4,1
994345□	99	430	450	5,0
※MS1331616□	132,5	160	160	1,3
※1331623□	132,5	160	230	1,7
※1331628□	132,5	160	280	2,0
※1332116□	132,5	210	160	1,6
1332123□	132,5	210	230	2,1
1332128□	132,5	210	280	2,4
1332135□	132,5	210	350	2,9
1332623□	132,5	260	230	2,4
1332628□	132,5	260	280	2,8
1332635□	132,5	260	350	3,3
1333223□	132,5	320	230	2,7
1333228□	132,5	320	280	3,2
1333235□	132,5	320	350	3,7
1333245□	132,5	320	450	4,5
1333723□	132,5	370	230	3,0
1333728□	132,5	370	280	3,5
1333735□	132,5	370	350	4,1
1333745□	132,5	370	450	5,0
1334323□	132,5	430	230	3,4
1334328□	132,5	430	280	3,9
1334335□	132,5	430	350	4,6
1334345□	132,5	430	450	5,6
※MS1491616□	149	160	160	1,4
※1491623□	149	160	230	1,8
※1491628□	149	160	280	2,1
※1492116□	149	210	160	1,6
1492123□	149	210	230	2,1
1492128□	149	210	280	2,4
1492135□	149	210	350	2,9
1492623□	149	260	230	2,4
1492628□	149	260	280	2,8
1492635□	149	260	350	3,3
1493223□	149	320	230	2,7
1493228□	149	320	280	3,2
1493235□	149	320	350	3,8
1493245□	149	320	450	4,6
1493723□	149	370	230	3,0
1493728□	149	370	280	3,5
1493735□	149	370	350	4,1
1493745□	149	370	450	5,1
1494323□	149	430	230	3,4
1494328□	149	430	280	3,9
1494335□	149	430	350	4,6
1494345□	149	430	450	5,6
※MS1771616□	177	160	160	1,6
※1771623□	177	160	230	2,2
※1771628□	177	160	280	2,5
※1772116□	177	210	160	1,9
1772123□	177	210	230	2,7
1772128□	177	210	280	3,1
1772135□	177	210	350	3,6
1772623□	177	260	230	3,0
1772628□	177	260	280	3,4
1772635□	177	260	350	4,0

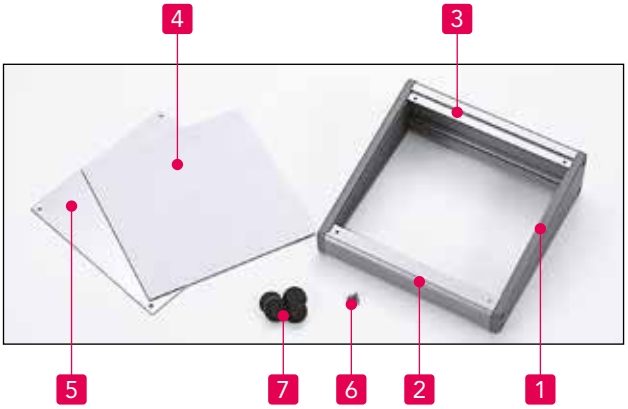
※ keine Lüftungsschlitze

□ siehe Farb-codetabelle

※ no ventilation slots

□ please look at color chart

Pultgehäuse Serie CF — Series CF sloped enclosure



Eigenschaften

- Stabiles Pultgehäuse mit 10 Grad Neigung.
- Beide Seiten können als Oberseite verwendet werden.
- Seitenplatten aus ABS–Kunststoff.
- Auch in Sonderlängen lieferbar.

Features

- Sloped box with 10° inclination.
- Both sides can be used as top side.
- Side plates ABS material.
- Special lengths available.

Farben - colors

Farbcode color code	Seitenplatte side plate	Rahmen frame	Frontplatte front panel
BB	schwarz black	schwarz black	schwarz black
GS	grau gray	silber silver	silber silver

Ref. -Nr. ref.- no.	Bezeichnung part name	Anzahl pcs	Material	Farbe und Oberfläche color / finish
1	Seitenplatte side plate	2	ABS (UL94V-0)	schwarz / grau black / gray
2	Vorderer Rahmen front frame	1	Aluminium-Strangpressprofil aluminium extrusion	silber / schwarz eloxiert silver / black anodized
3	Hinterer Rahmen rear frame	1	Aluminium-Strangpressprofil aluminium extrusion	silber / schwarz eloxiert silver / black anodized
4	Frontplatte slided panel	1	Aluminium t = 1.5 mm	silber / schwarz eloxiert silver / black anodized
			Aluminium t = 1.5 mm	silber / schwarz eloxiert silver / black anodized
5	Bodenplatte screwed panel	1	Aluminium t = 1.5 mm	silber / schwarz eloxiert silver / black anodized
			Aluminium t = 1.5 mm	silber / schwarz eloxiert silver / black anodized
6	Schraube screw	1 Satz 1 set	Stahl steel	vernickelt bzw. schwarz chromatiert black trivalent chromate / nickel painted
7	Füße rubber feet	4	Gummi rubber	schwarz black

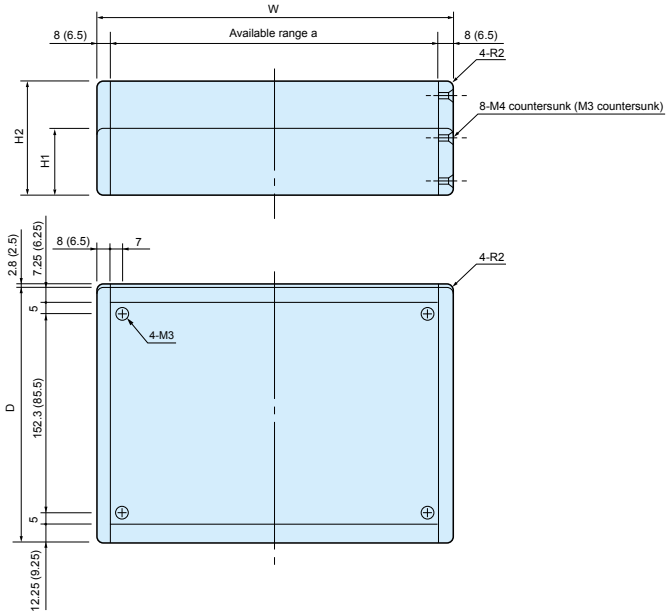
Best.-Nr. part no.	W	H1	H2	D	a	Gewicht(kg) weight (kg)
CF711□□	70	28,4	48,3	111	57	0,15
CF1111□□	110	28,4	48,3	111	97	0,21
CF1611□□	160	28,4	48,3	111	147	0,29
CF2211□□	220	28,4	48,3	111	207	0,38
CF2811□□	280	28,4	48,3	111	267	0,47
CF1218□□	120	32,4	66,2	181,3	104	0,38
CF1818□□	180	32,4	66,2	181,3	164	0,53
CF2718□□	270	32,4	66,2	181,3	254	0,76
CF3518□□	350	32,4	66,2	181,3	334	0,97
CF4318□□	430	32,4	66,2	181,3	414	1,17

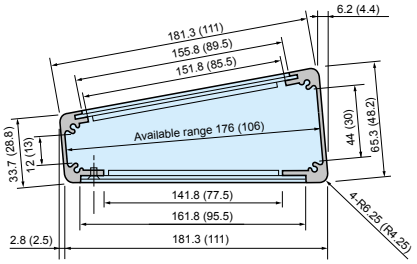
Best.-Nr. part no.	W	H1	H2	D	a	Gewicht(kg) weight (kg)
CF1523□□	150	39,6	79,7	230,9	131	0,52
CF2123□□	210	39,6	79,7	230,9	191	0,7
CF2723□□	270	39,6	79,7	230,9	251	0,88
CF3623□□	360	39,6	79,7	230,9	341	1,14
CF4523□□	450	39,6	79,7	230,9	431	1,41
CF2128□□	210	49,8	98,6	281	191	0,93
CF2828□□	280	49,8	98,6	281	261	1,17
CF3628□□	360	49,8	98,6	281	341	1,46
CF4528□□	450	49,8	98,6	281	431	1,77

■ Bei Bestellung bitte Farbcode ergänzen □□ ■ Please suffix color code at the end of part number □□ when ordering CF series.

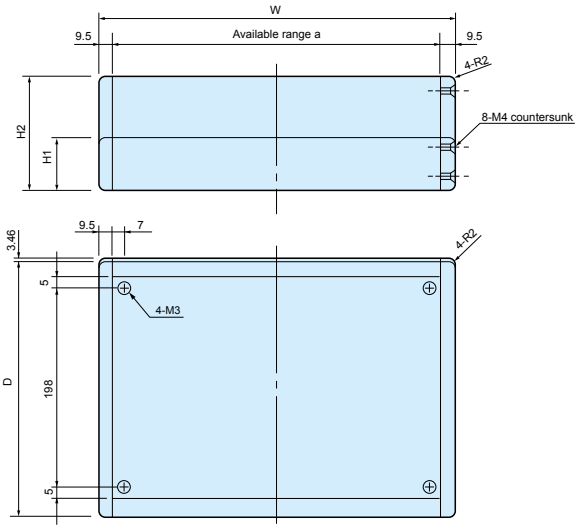
CF □-11
CF □-18

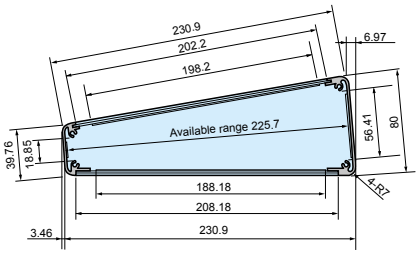
( )=Maße von CF□11
( )=dimension of CF□11



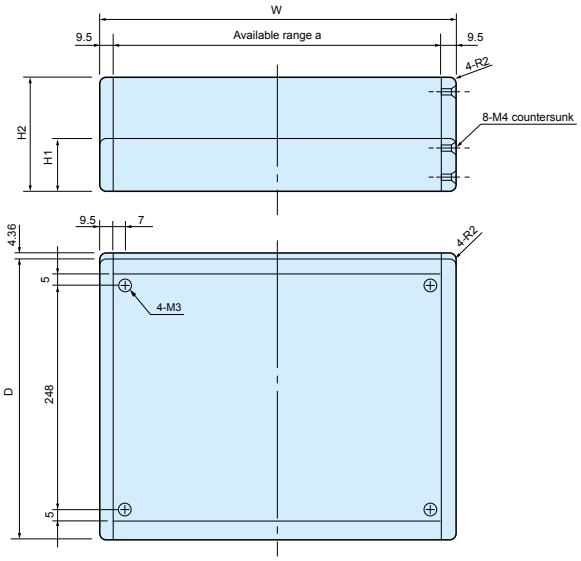


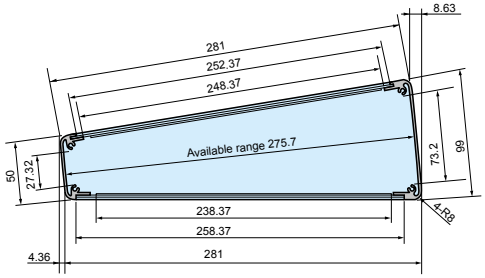
CF □-23





CF □-28





Hauptkatalog 2019/20

main catalog

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