

Serie TWF Kunststoffgehäuse mit Wand-Montageflansch

Series TWF plastic enclosure with wall mounting flange

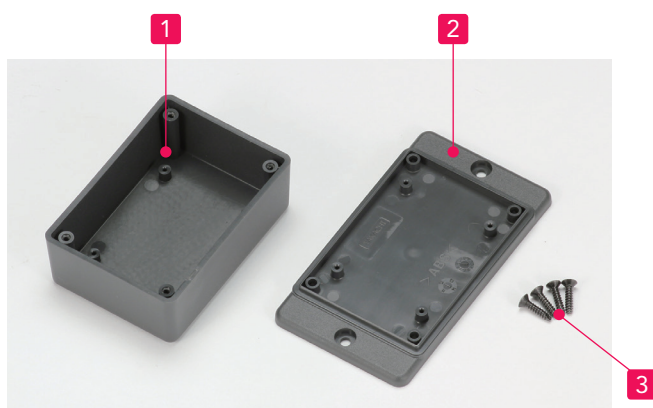


Technische Daten

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 entflammables 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.

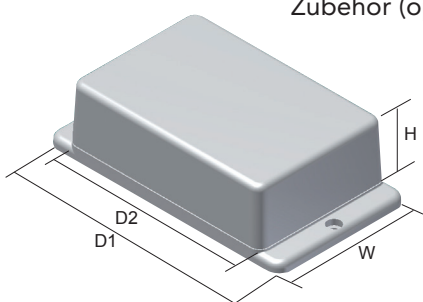
Einzelteile

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 chromate

Zubehör (optional erhältlich) - Accessories (optional parts)

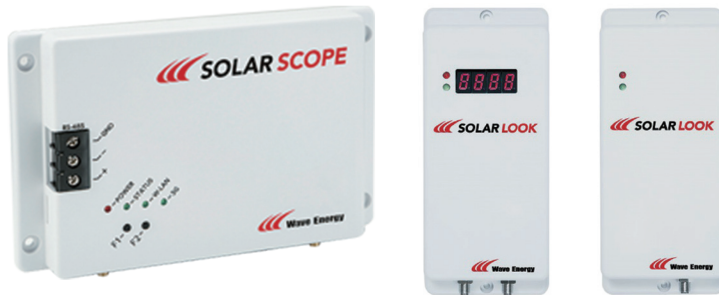


Anwendungsbeispiele

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

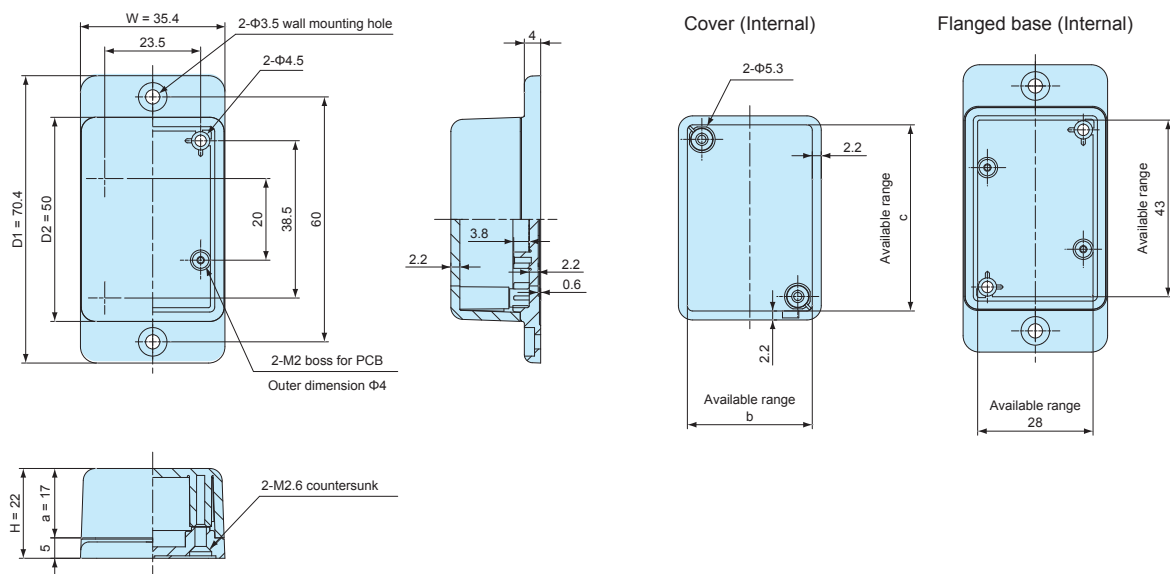
Best.-Nr. / Maße - Product no. / Dimensions

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

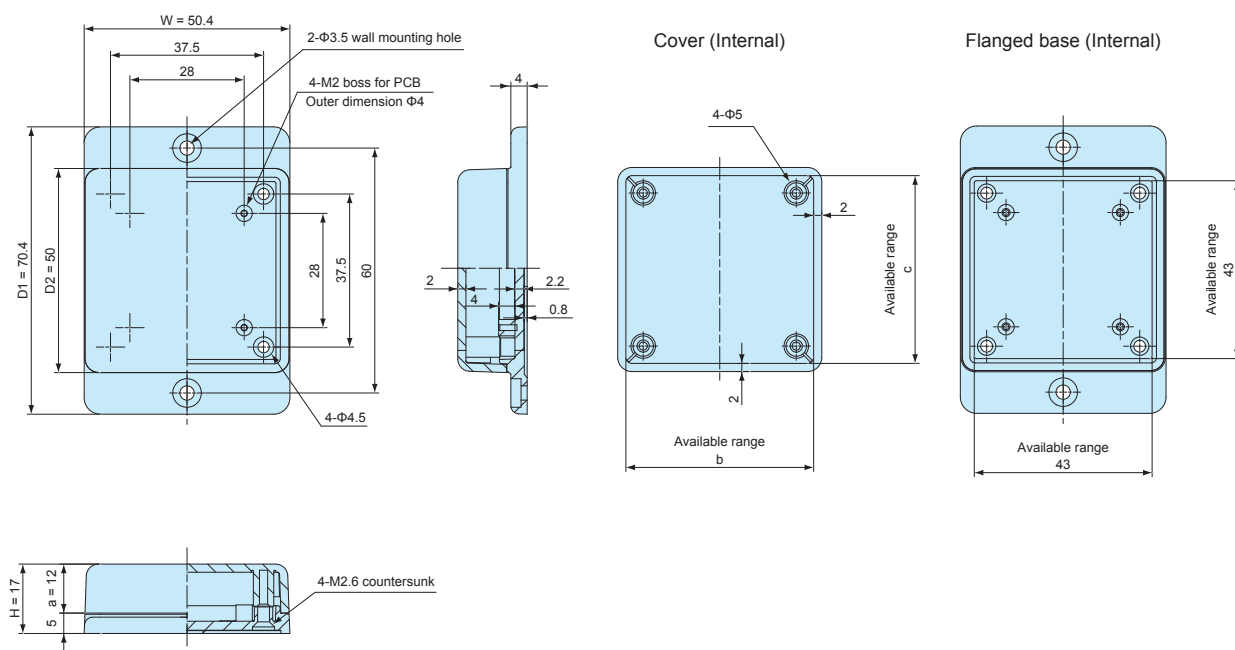
TWF dimensions

TWF4-2-5□



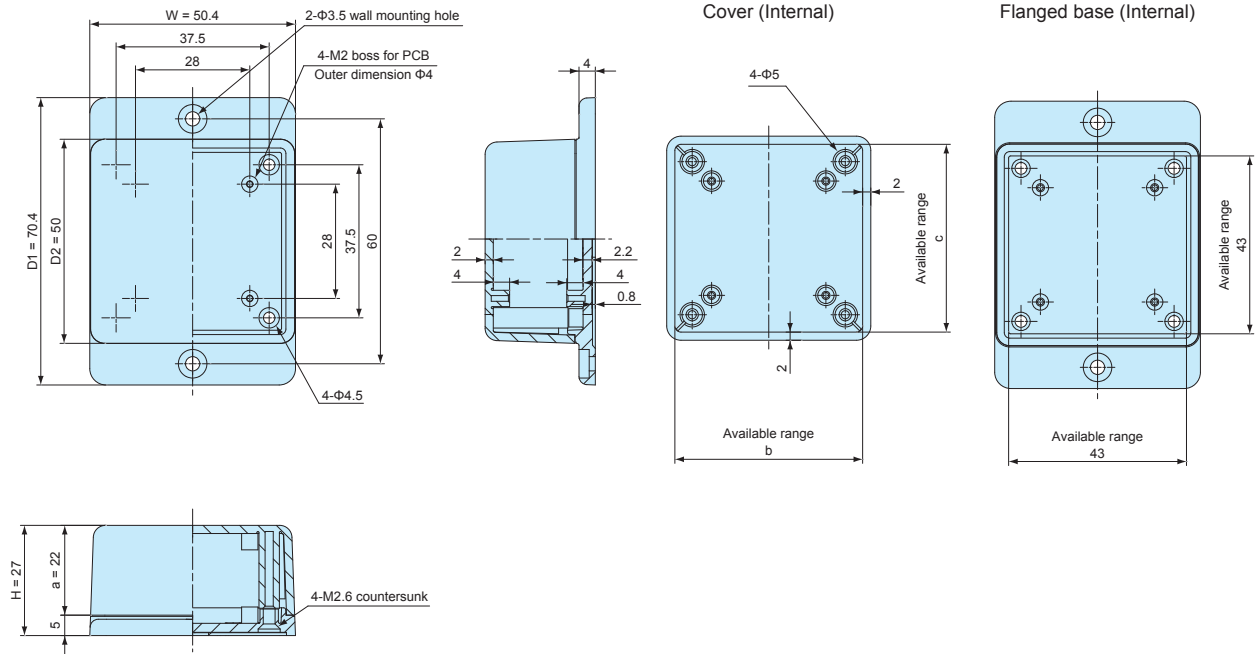
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF4-2-5□	35.4	22	70.4	50	17	29	44

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

TWF5-3-5

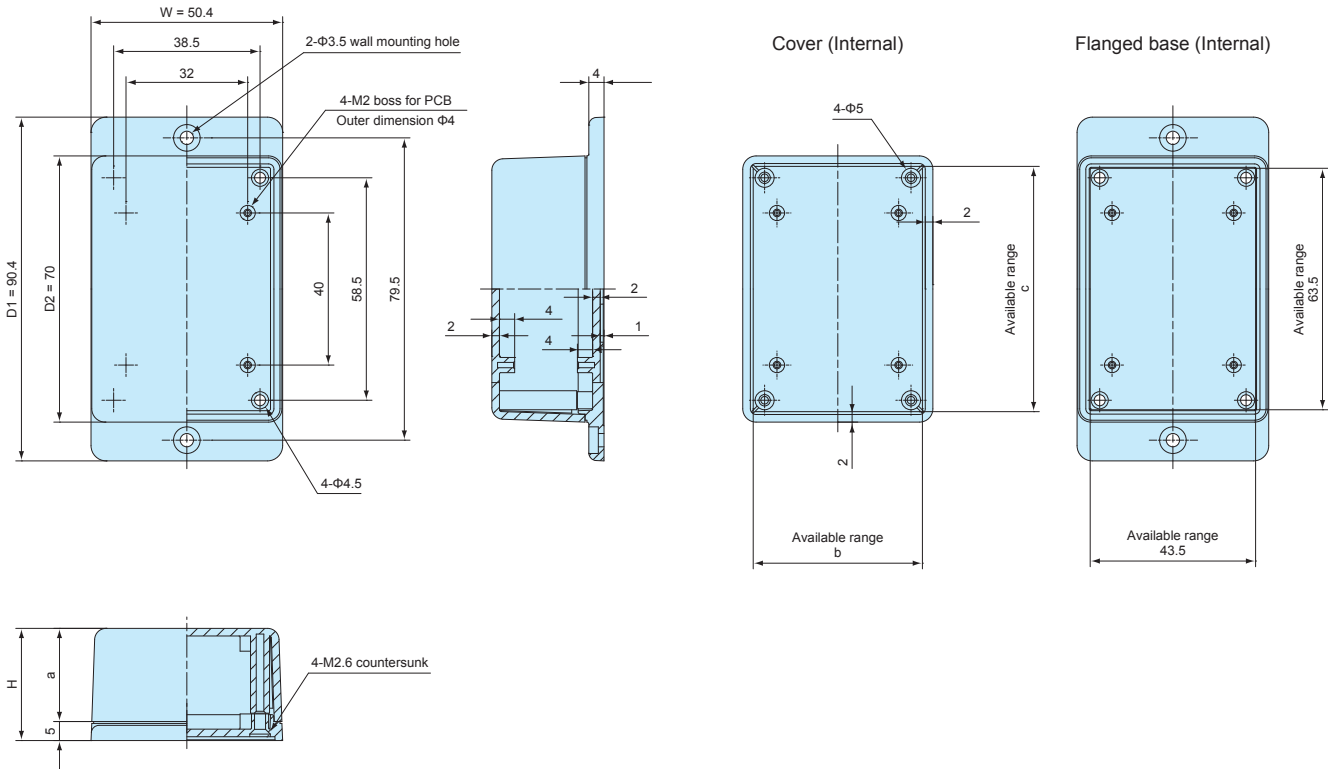


Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF5-3-5	50.4	27	70.4	50	22	44.5	44.5

TWF5-2-7

TWF5-3-7

TWF5-4-7

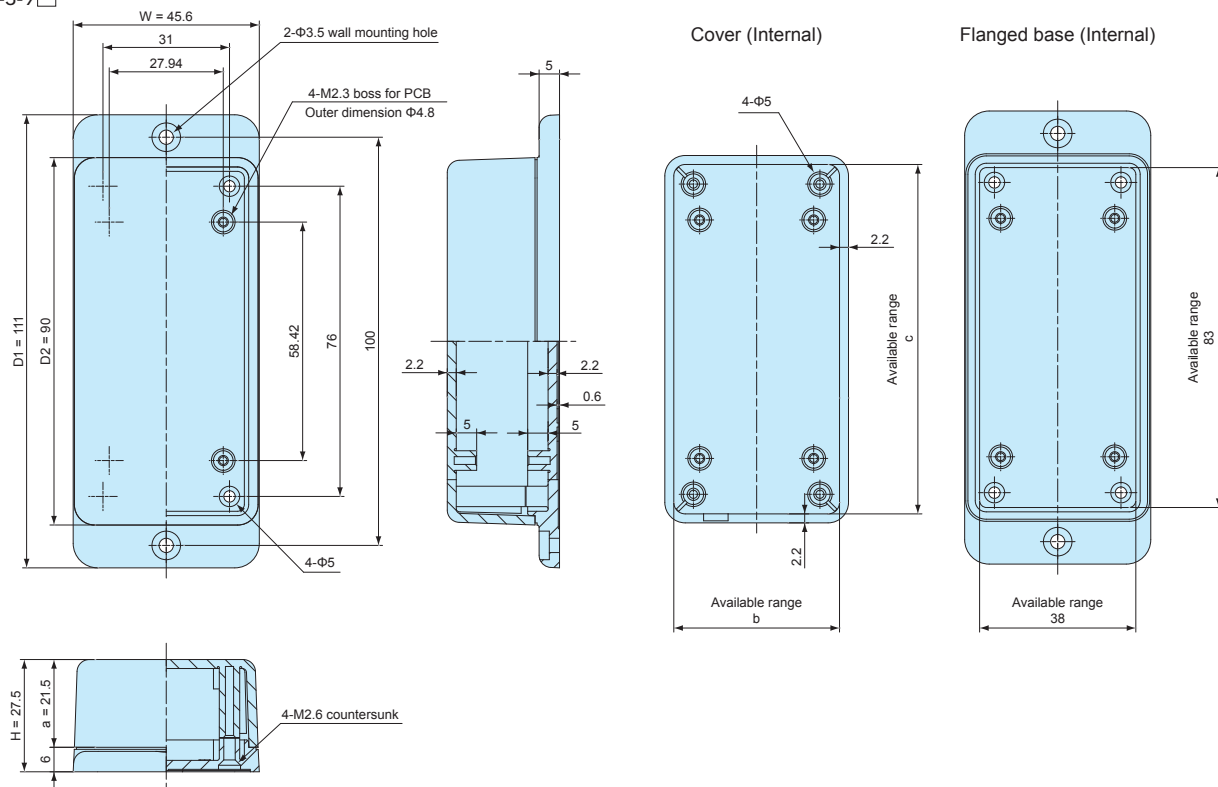


Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF5-2-7	50.4	17	90.4	70	12	44.5	64.5
TWF5-3-7	50.4	29.5	90.4	70	24.5	44	64
TWF5-4-7	50.4	42	90.4	70	37	43	63

TWF Maße

TWF dimensions

TWF5-3-9□

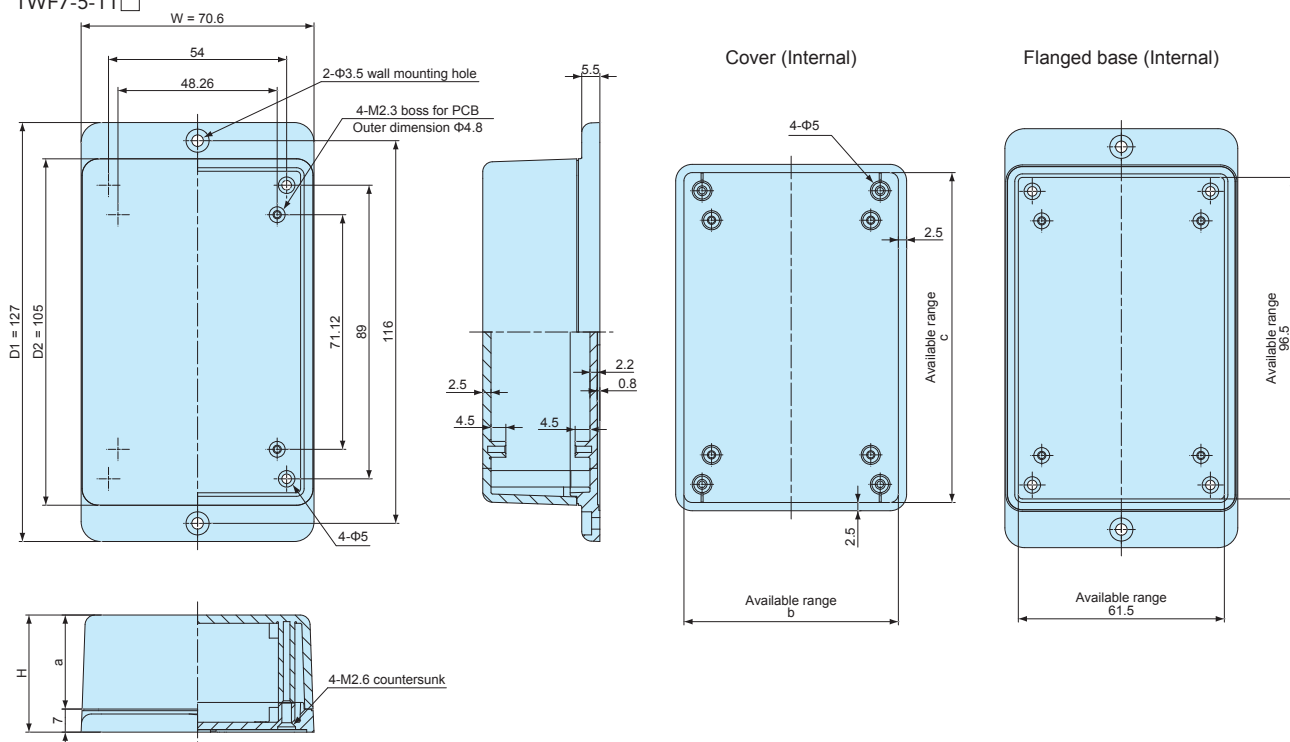


Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF5-3-9□	45.6	27.5	111	90	21.5	39	84

TWF7-2-11□

TWF7-4-11□

TWF7-5-11□



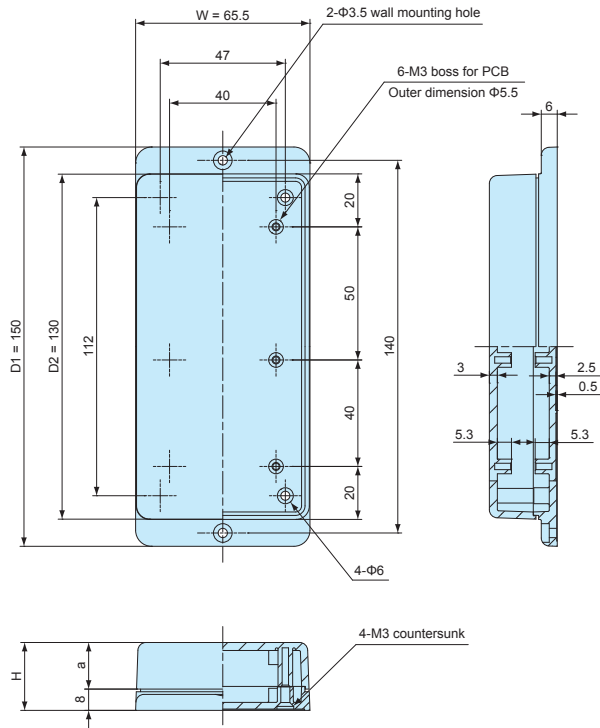
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF7-2-11□	70.6	20.5	127	105	13.5	63.5	98.5
TWF7-4-11□	70.6	35.5	127	105	28.5	62.5	97.5
TWF7-5-11□	70.6	50.5	127	105	43.5	61.5	96.5

TWF Maße

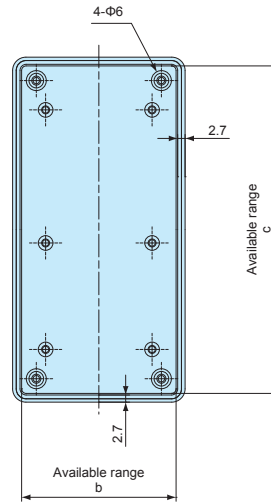
TWF dimensions

TWF7-3-13□

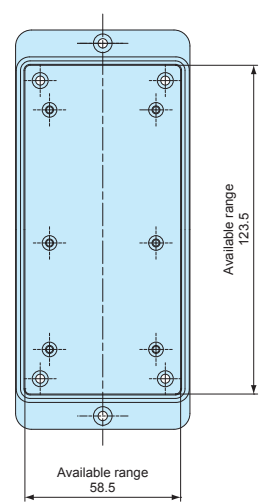
TWF7-5-13□



Cover (Internal)



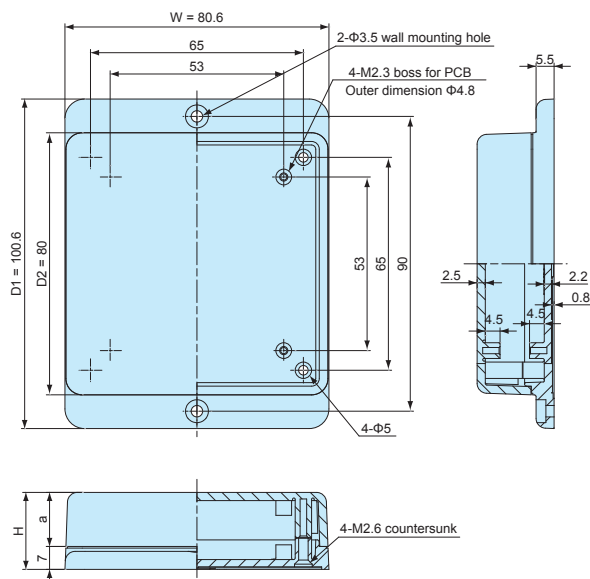
Flanged base (Internal)



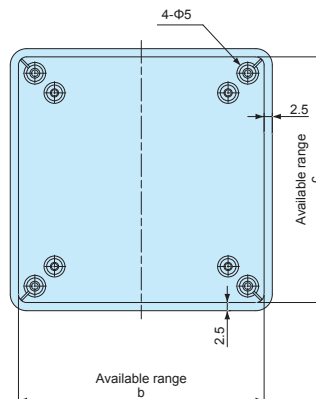
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF7-3-13□	65.5	25.5	150	130	17.5	58	123
TWF7-5-13□	65.5	50	150	130	42	56.5	121.5

TWF8-2-8□

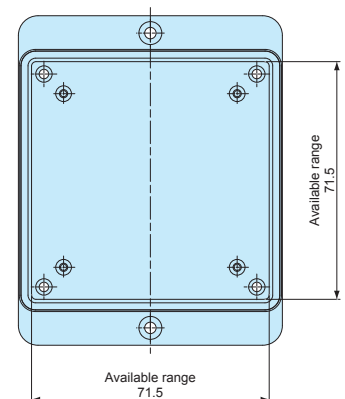
TWF8-4-8□



Cover (Internal)



Flanged base (Internal)



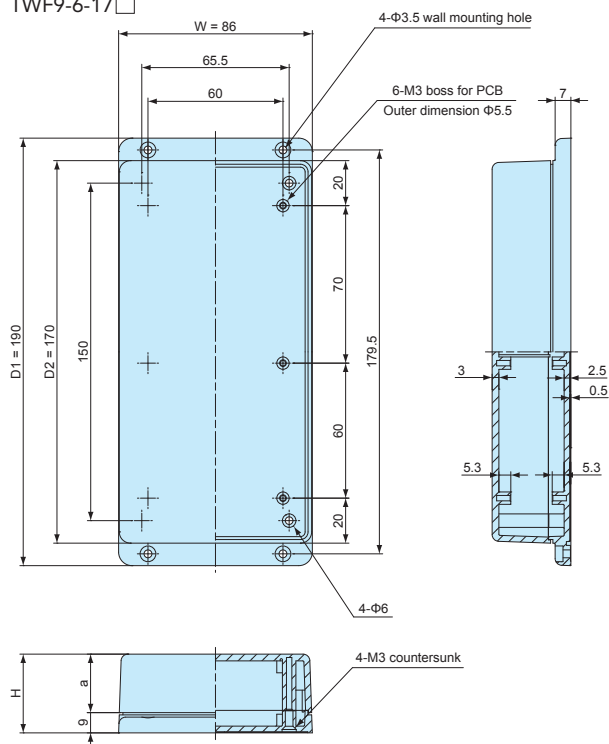
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF8-2-8□	80.6	23.5	100.6	80	16.5	73.5	73.5
TWF8-4-8□	80.6	43.5	100.6	80	36.5	72	72

TWF Maße

TWF dimensions

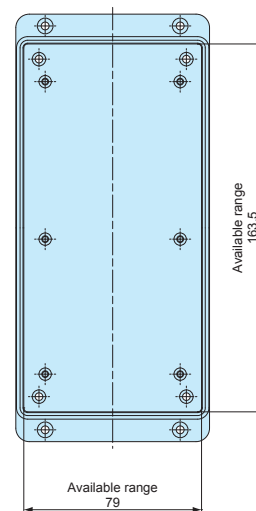
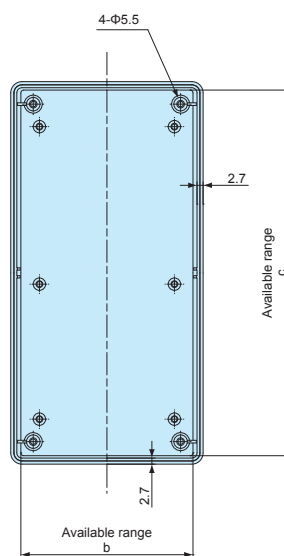
TWF9-4-17□

TWF9-6-17□



Cover (Internal)

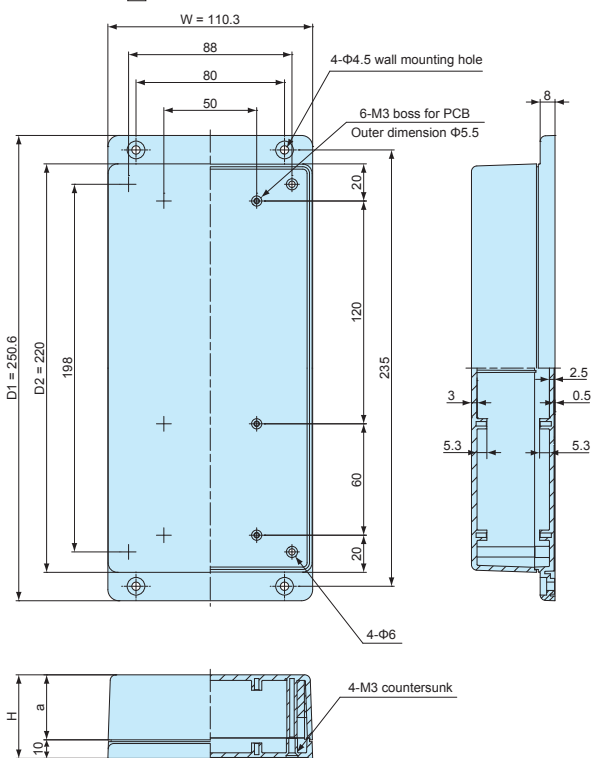
Flanged base (Internal)



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

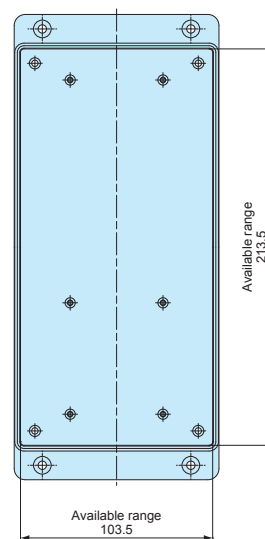
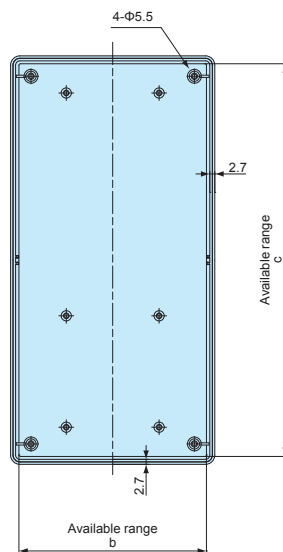
TWF11-5-22□

TWF11-8-22□



Cover (Internal)

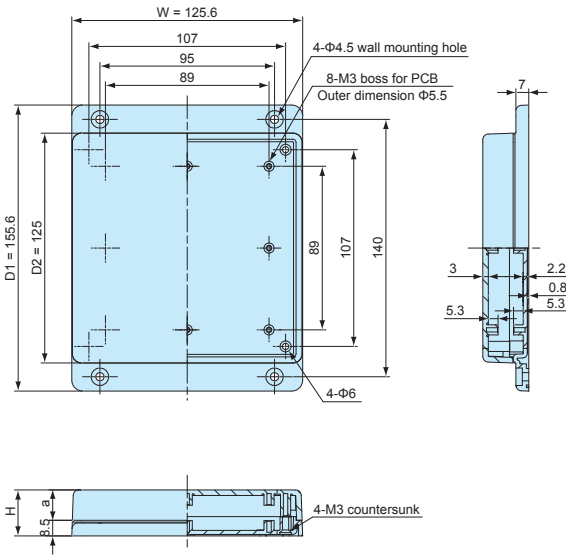
Flanged base (Internal)



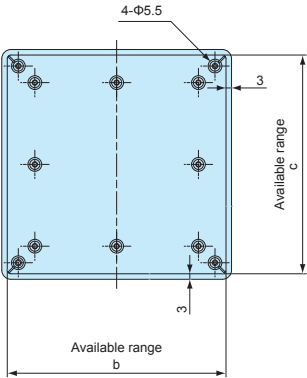
Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF11-5-22□	110.3	45	250.6	220	35	101	211.5
TWF11-8-22□	110.3	75	250.6	220	65	100	210

TWF13-3-13

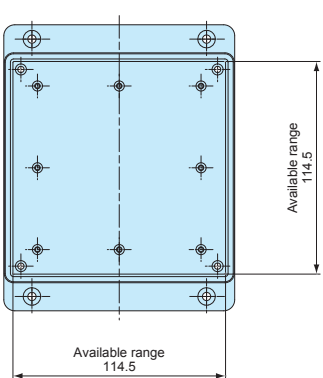
TWF13-5-13



Cover (Internal)



Flanged base (Internal)

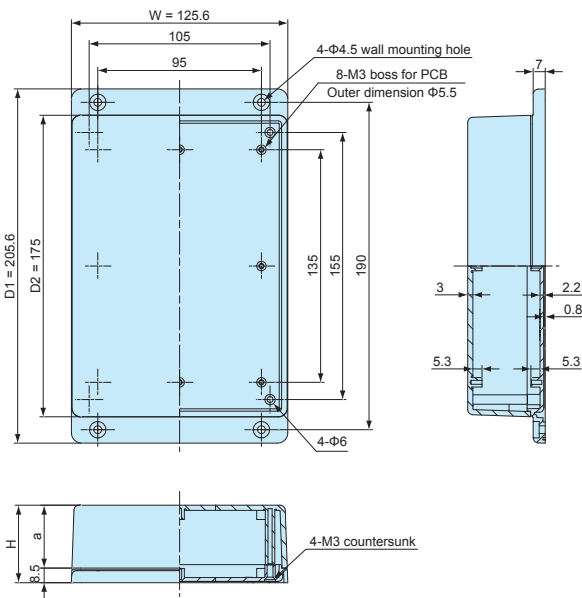


Best.-Nr. - Product no.	W	H	D1	D2	a	b	c
TWF13-3-13	125.6	25	155.6	125	16.5	118	118
TWF13-5-13	125.6	45	155.6	125	36.5	116.5	116.5

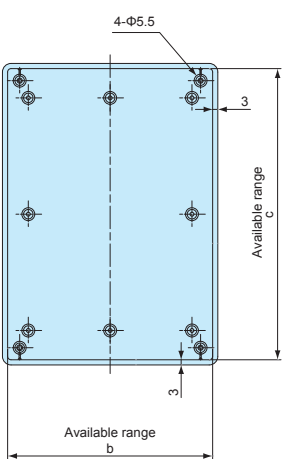
TWF13-3-18

TWF13-5-18

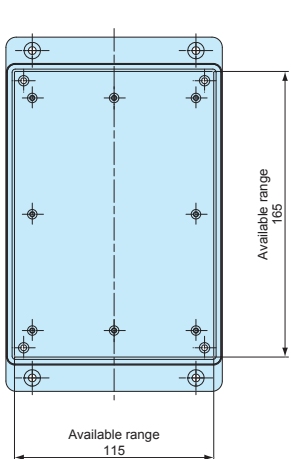
TWF13-7-18



Cover (Internal)



Flanged base (Internal)



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

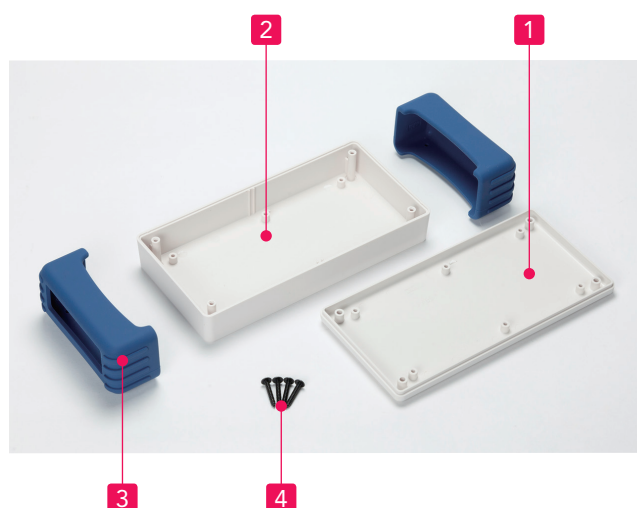
Temperaturbereich: -10°C ~ +60°C

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 Silikoncken. Die Silikoncken sind federnd, rutschhemmend und schützen Ihr Gerät vor Beschädigungen.
- Verfügbar in 11 Größen und 18 Farbkombinationen.
- Die Silikoncken 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	Silikonenschutz	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

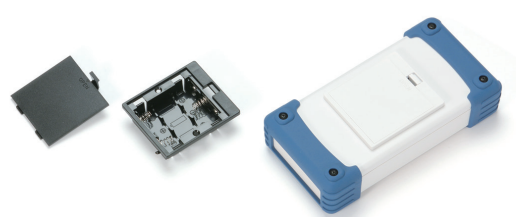
Zubehör (optional erhältlich) - Accessories (optional parts)



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	[B][P] Schwarz / Pink	[B][Y] Schwarz / Gelb	[B][G] Schwarz / Grün	[B][N] Black / Navy	[B][L] Schwarz / Lichtgrau	[B][B] Schwarz / Schwarz
	[B][P] Black / Pink	[B][Y] Black / Yellow	[B][G] Black / Green	[B][N] Black / Navy	[B][L] Black / Light gray	[B][B] Black / Black
Farbe - Color						
Code	[G][P] Lichtgrau / Pink	[G][Y] Lichtgrau / Gelb	[G][G] Lichtgrau / Grün	[G][N] Lichtgrau / Navy	[G][L] Lichtgrau / Lichtgrau	[G][B] Lichtgrau / Schwarz
	[G][P] Light gray / Pink	[G][Y] Light gray / Yellow	[G][G] Light gray / Green	[G][N] Light gray / Navy	[G][L] Light gray / Light gray	[G][B] Light gray / Black
Farbe - Color						
Code	[W][P] Weiß / Pink	[W][Y] Weiß / Gelb	[W][G] Weiß / Grün	[W][N] Weiß / Navy	[W][L] Weiß / Hellgrau	[W][B] Weiß / Schwarz
	[W][P] Off-white / Pink	[W][Y] Off-white / Yellow	[W][G] Off-white / Green	[W][N] Off-white / Navy	[W][L] Off-white / Light gray	[W][B] 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.

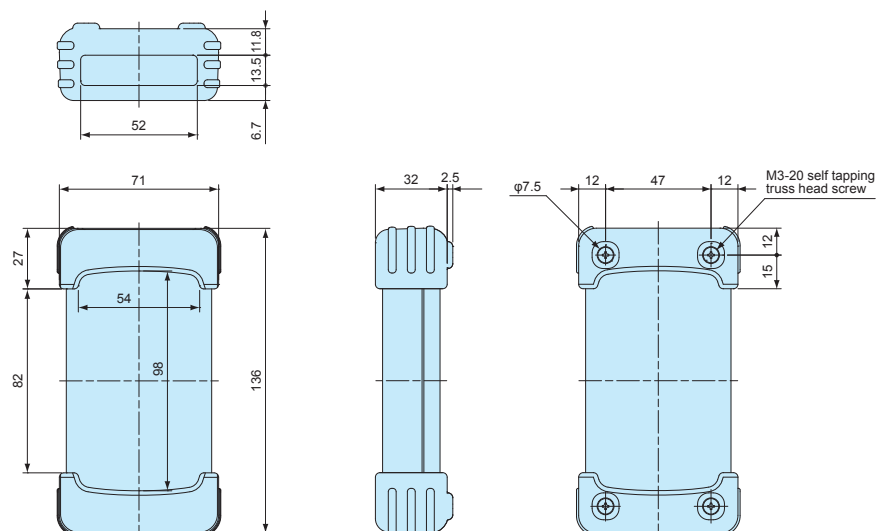
Best.-Nr. Product no.	W	H	D	Kunststoffmaterial Plastic case material	Gewicht (g) Weight (g)
TWS 7-3-13W□	71(65)	32(25.6)	136(130)	ABS UL94V-0	126
TWS 7-5-13W□	71(65)	56(50.1)	136(130)	ABS UL94V-0	163
TWS 9-4-17W□	91.5(85.5)	41.5(35.5)	176(170)	ABS UL94V-0	211
TWS 9-6-17W□	91.5(85.5)	66.5(60.5)	176(170)	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.

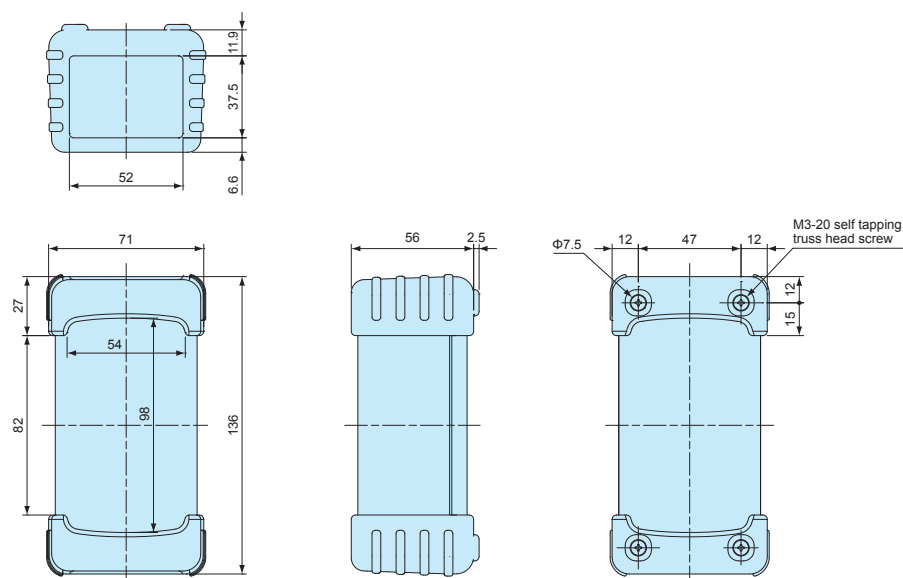
TWS Maße

TWS dimensions

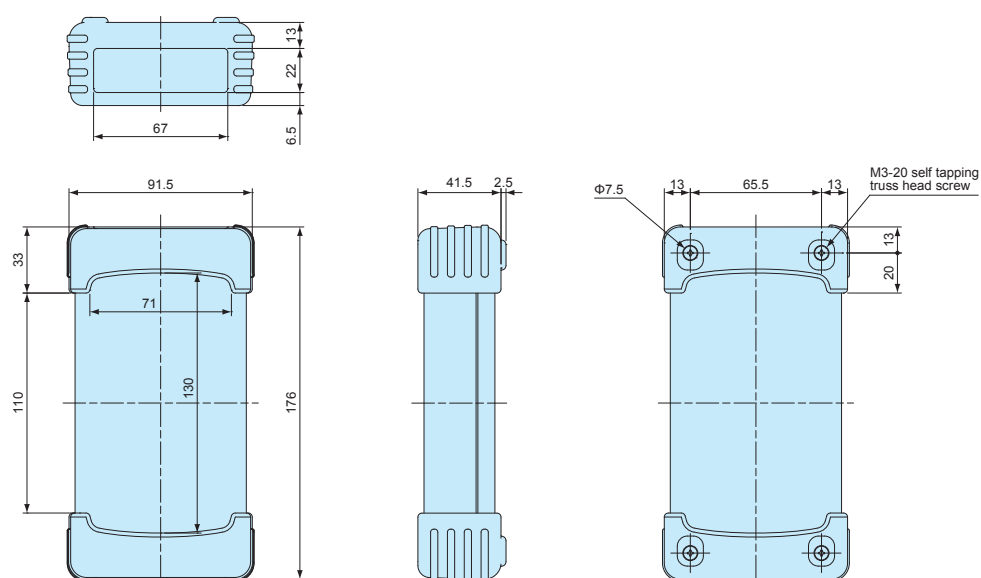
TWS7-3-13



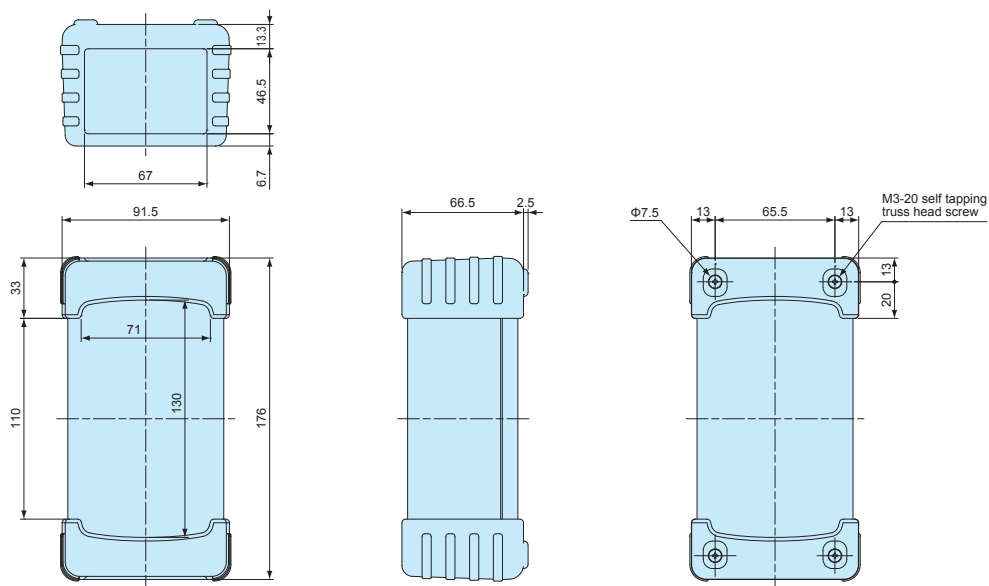
TWS7-5-13



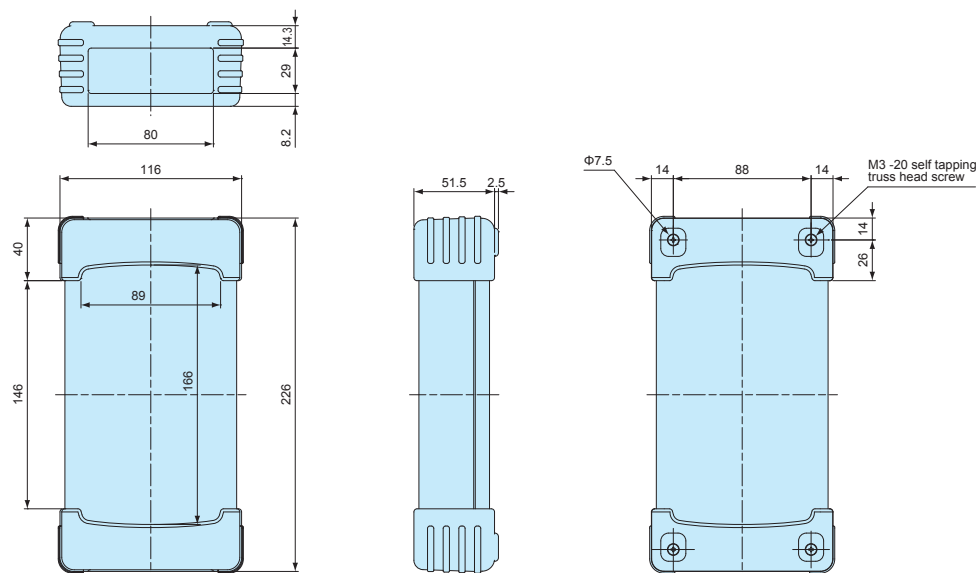
TWS9-4-17



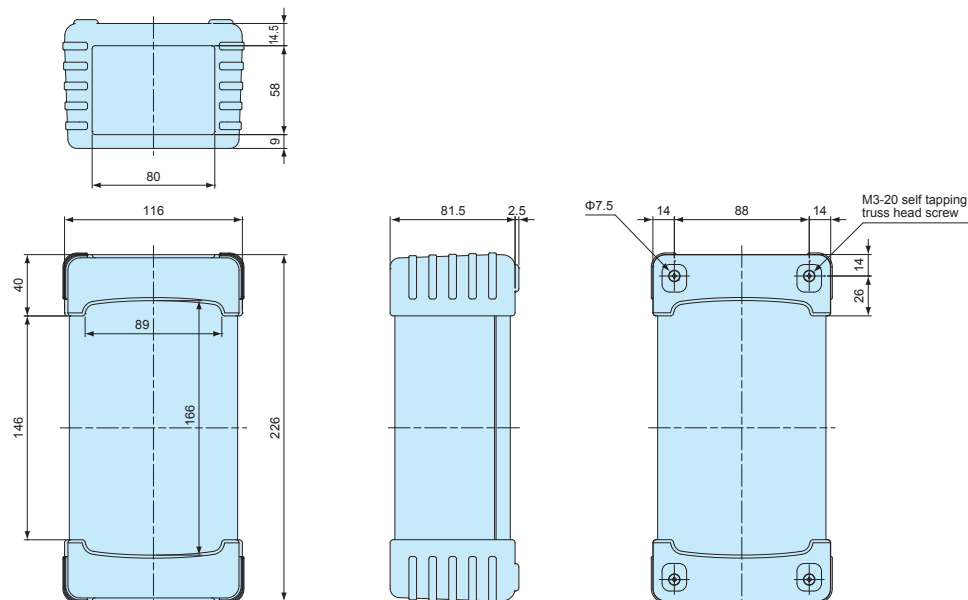
TWS9-6-17



TWS11-5-22



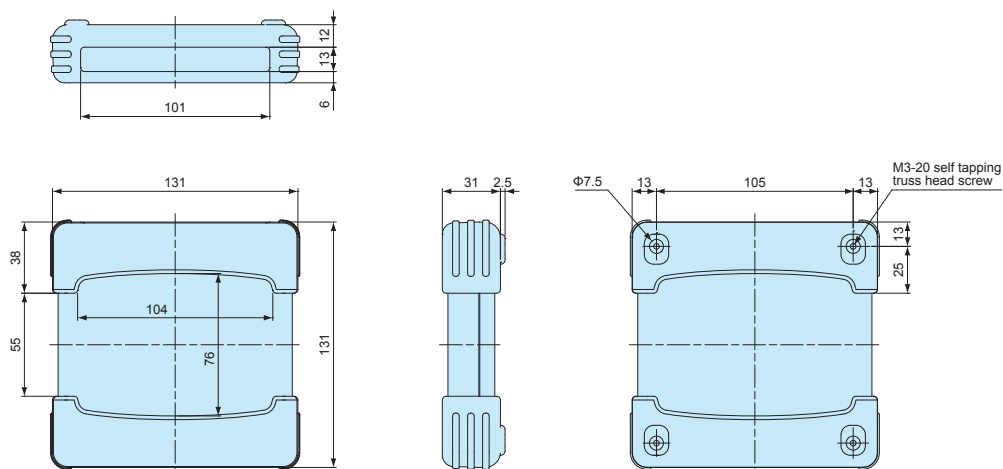
TWS11-8-22



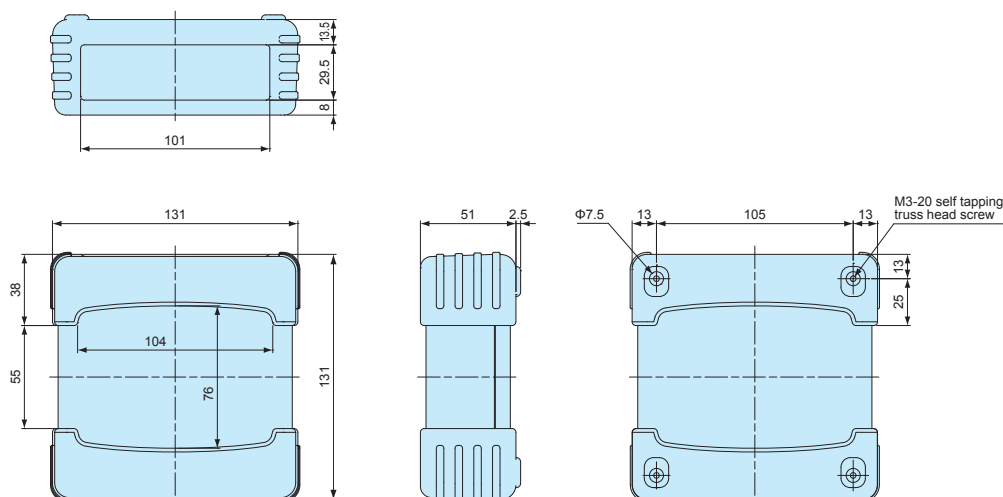
TWS Maße

TWS dimensions

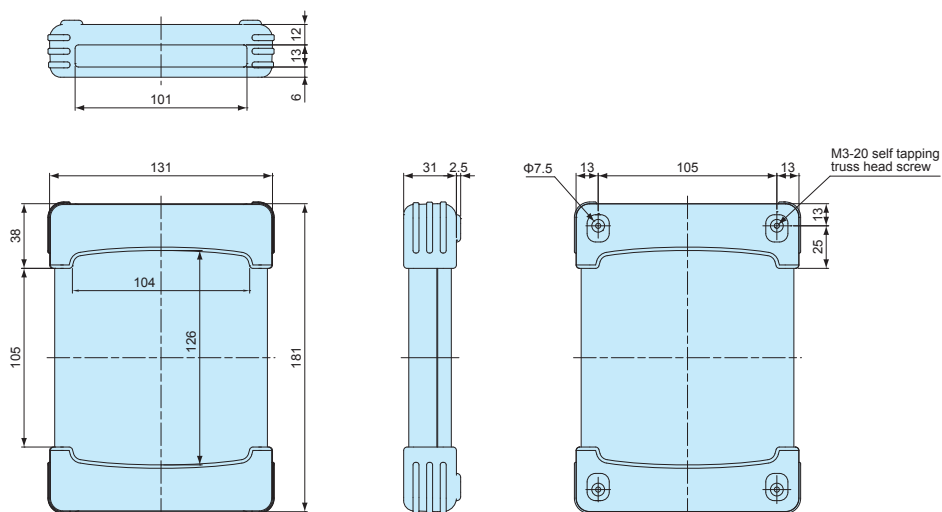
TWS13-3-13



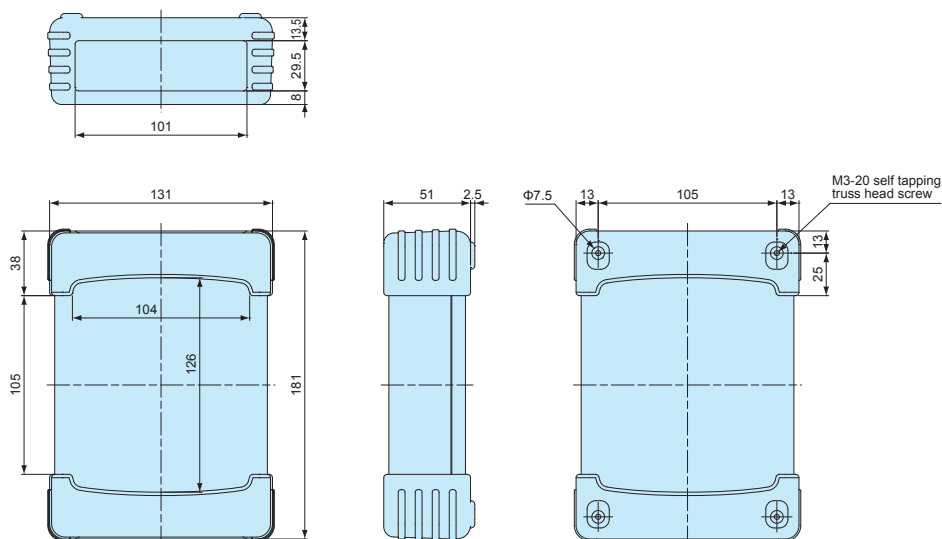
TWS13-5-13



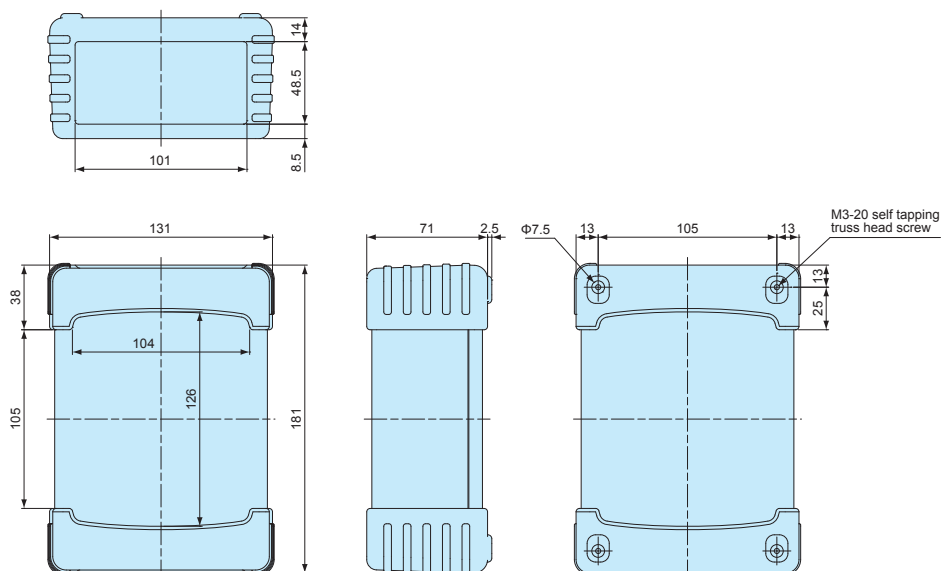
TWS13-3-18



TWS13-5-18



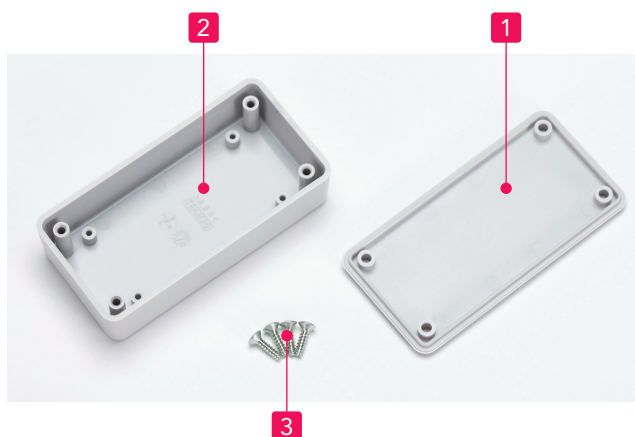
TWS13-7-18





Serie TW•TWN Vielzweck-Kunststoffgehäuse

Series TW•TWN Multi-purpose plastic enclosure



- Univeralkunststoffgehäuse mit Schraubbefestigung.
- In 26 Größen und 3 Farben erhältlich.
- Gut geeignet 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.

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

Technische Daten

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

Technical Data

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

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



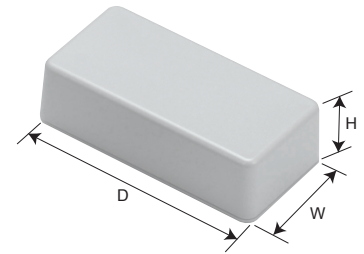
Abstandsbolzen
Tapping standoff
TPS series



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

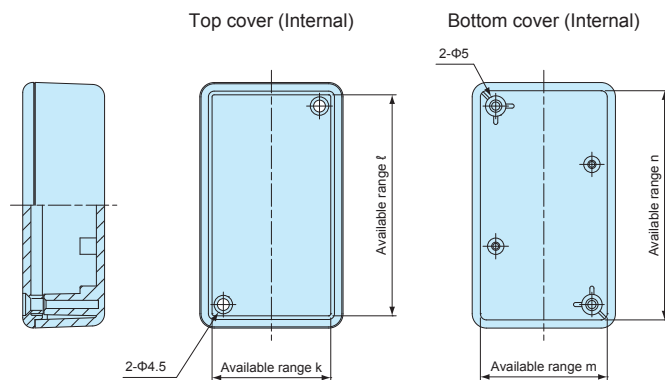
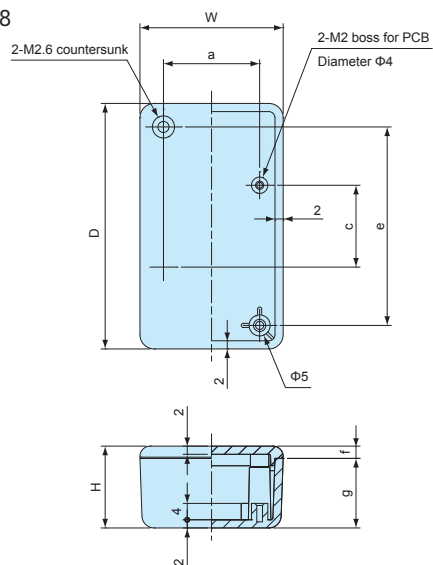
TW / TWN Maße

TW / TWN dimensions

TW / TWN4-2-5

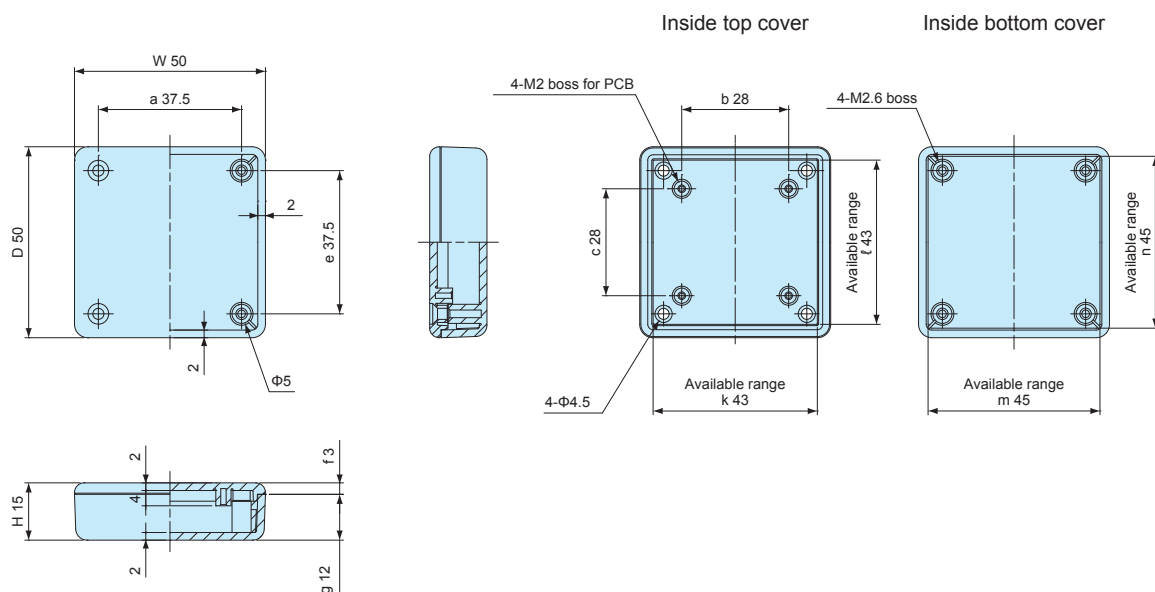
TW / TWN4-2-6

TW / TWN4-2-8



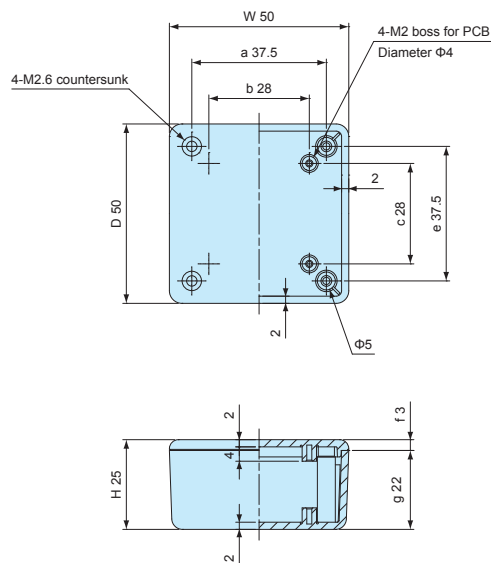
Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	l	m	n
TW / TWN4-2-5□	35	20	50	23.5	—	20	38.5	3	17	—	—	28.5	43.5	29.5	44.5
TW / TWN4-2-6□	35	20	60	23.5	—	20	48.5	3	17	—	—	28.5	53.5	29.5	54.5
TW / TWN4-2-8□	40.3	20	80.3	28.5	—	40	68.5	3	17	—	—	33.5	73.5	34.5	74.5

TW5-2-5



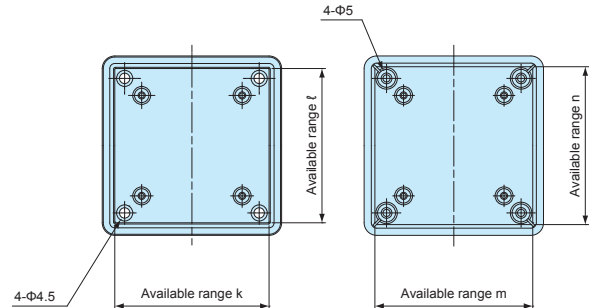
Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	l	m	n
TW5-2-5□	50	15	50	37.5	28	28	37.5	3	12	—	—	43	43	45	45

TW5-3-5



Top cover (Internal)

Bottom cover (Internal)

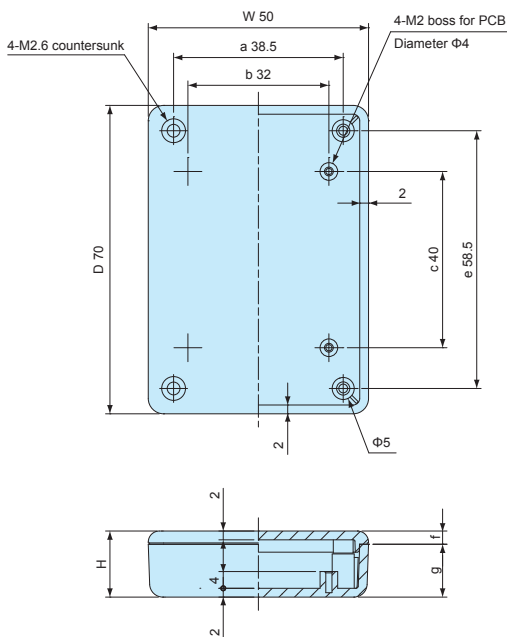


Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW5-3-5□	50	25	50	37.5	28	28	37.5	3	22	—	—	43	43	44.5	44.5

TW / TWN5-2-7

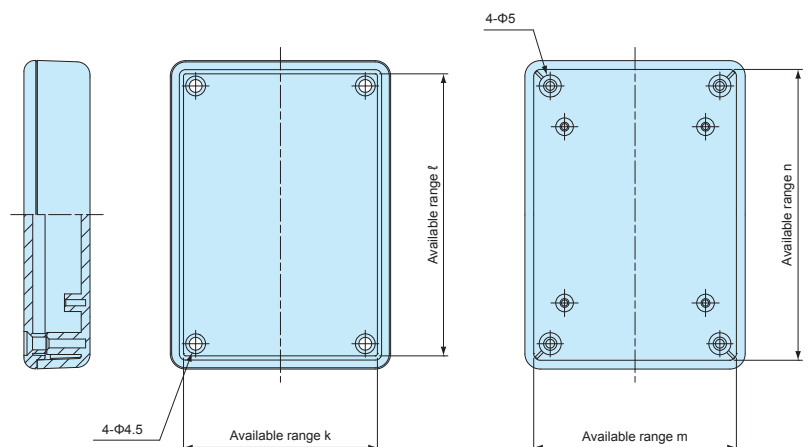
TW / TWN5-3-7

TW / TWN5-4-7



Top cover (Internal)

Bottom cover (Internal)



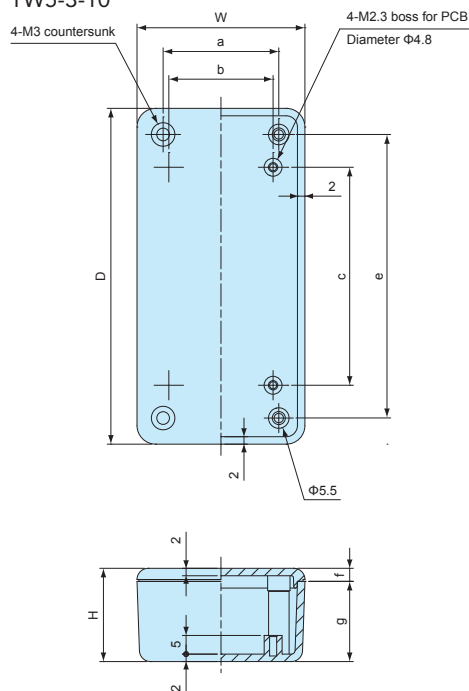
Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN5-2-7□	50	15	70	38.5	32	40	58.5	3	12	—	—	43.5	63.5	44.5	64.5
TW / TWN5-3-7□	50	27.5	70	38.5	32	40	58.5	3	24.5	—	—	43.5	63.5	44	64
TW / TWN5-4-7□	50	40	70	38.5	32	40	58.5	3	37	—	—	43.5	63.5	43	63

TW / TWN Maße

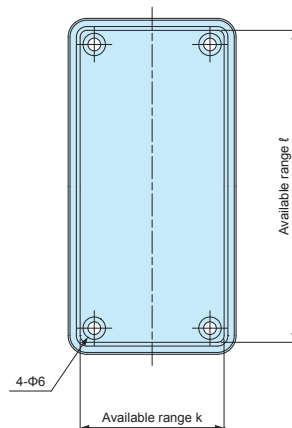
TW / TWN dimensions

TW / TWN5-3-9

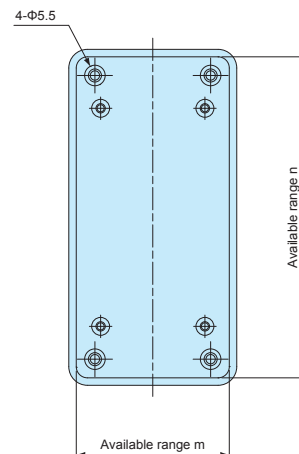
TW5-3-10



Top cover (Internal)



Bottom cover (Internal)

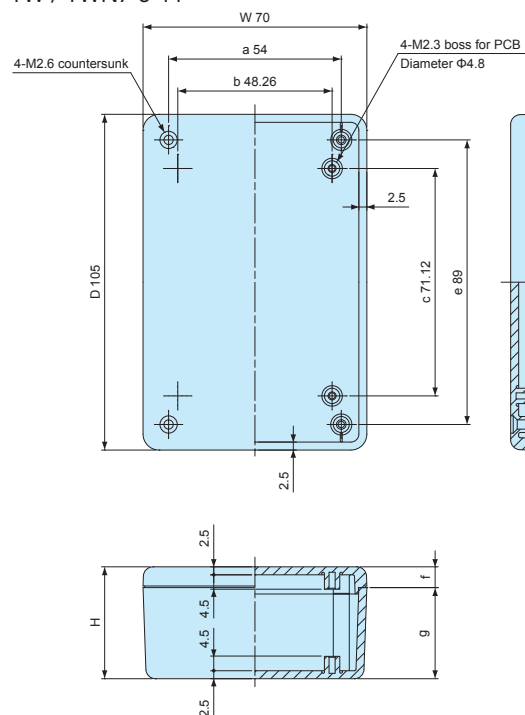


Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN5-3-9□	45	25	90	31	27.94	58.42	76	3.5	21.5	–	–	38.5	83.5	39	84
TW5-3-10□	50	30	100	36	22.86	73.66	86	3.5	26.5	–	–	43	93	44	94

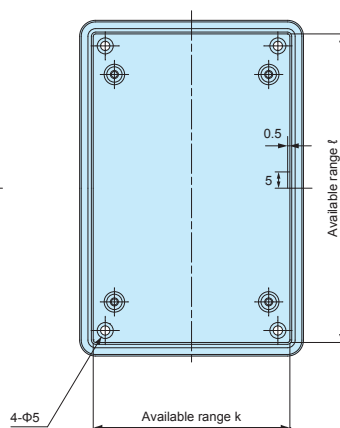
TW / TWN7-2-11

TW / TWN7-4-11

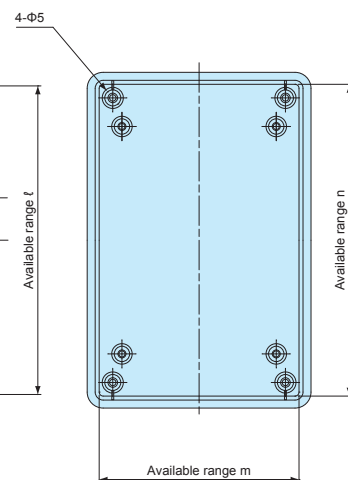
TW / TWN7-5-11



Top cover (Internal)



Bottom cover (Internal)



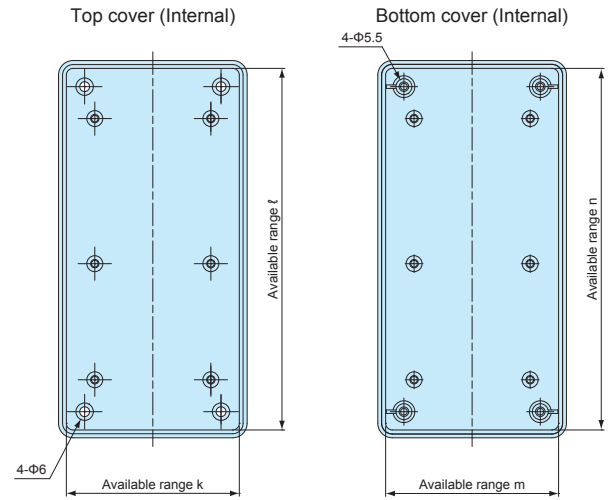
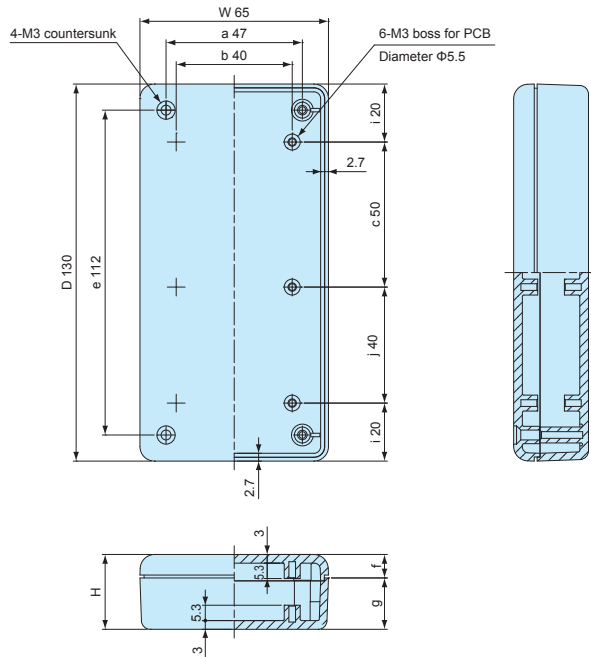
Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN7-2-11□	70	20	105	54	48.26	71.12	89	6.5	13.5	–	–	61.5	96.5	63.5	98.5
TW / TWN7-4-11□	70	35	105	54	48.26	71.12	89	6.5	28.5	–	–	61.5	96.5	62.5	97.5
TW / TWN7-5-11□	70	50	105	54	48.26	71.12	89	6.5	43.5	–	–	61.5	96.5	61.5	96.5

TW / TWN Maße

TW / TWN dimensions

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

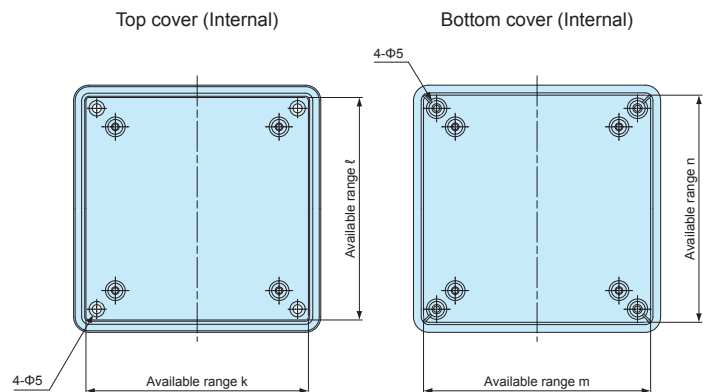
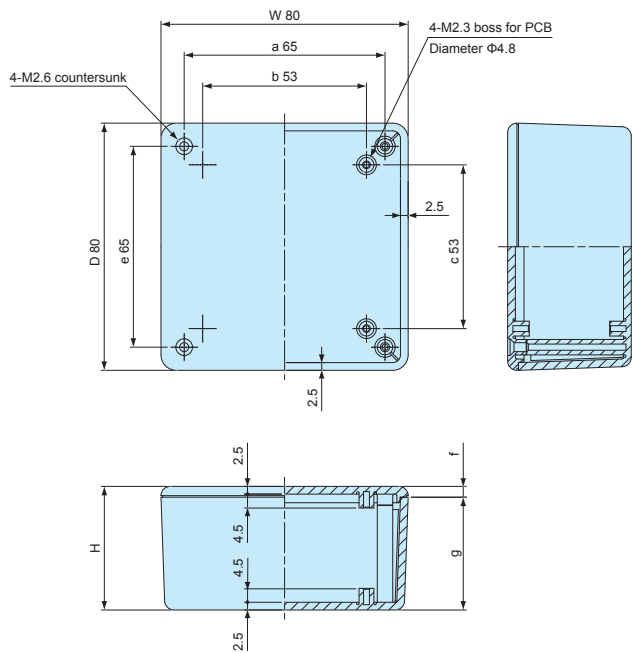
TW / TWN7-5-13 / TWS7-5-13



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

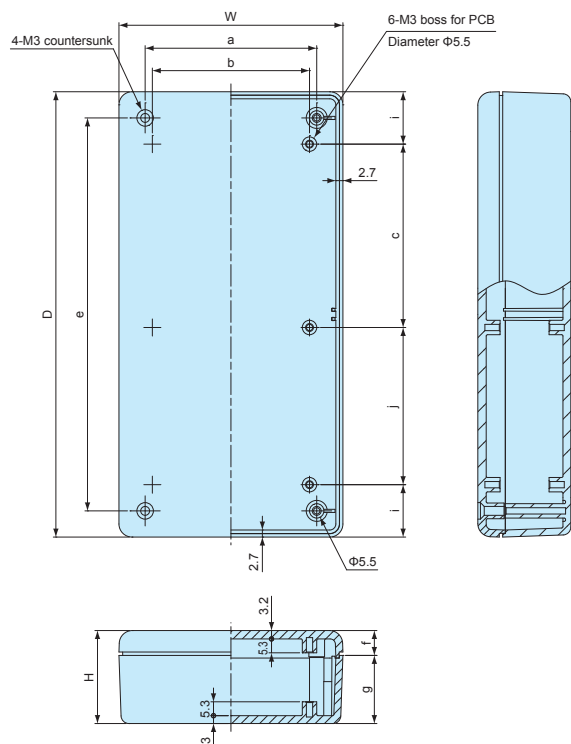
TW / TWN dimensions

TW / TWN 9-4-17 / TWS 9-4-17

TW / TWN 9-6-17 / TWS 9-6-17

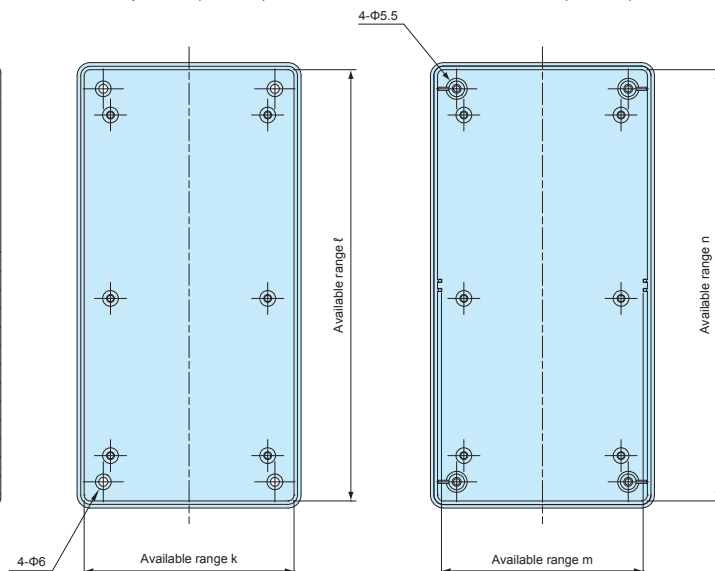
TW / TWN11-5-22 / TWS11-5-22

TW / TWN11-8-22 / TWS11-8-22



Top cover (Internal)

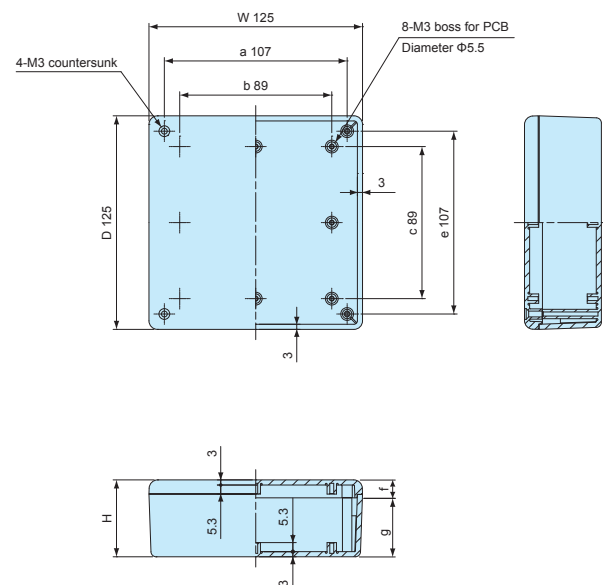
Bottom cover (Internal)



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

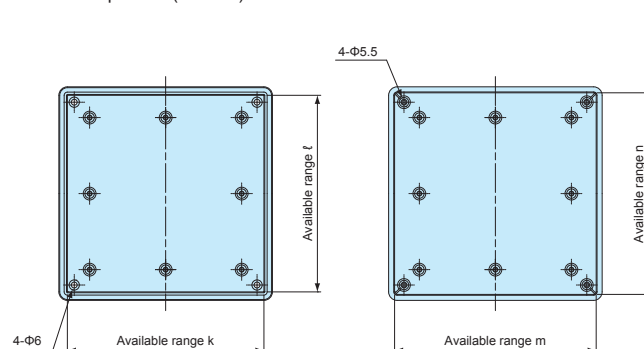
TW / TWN13-3-13 / TWS13-3-13

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



Top cover (Internal)

Bottom cover (Internal)

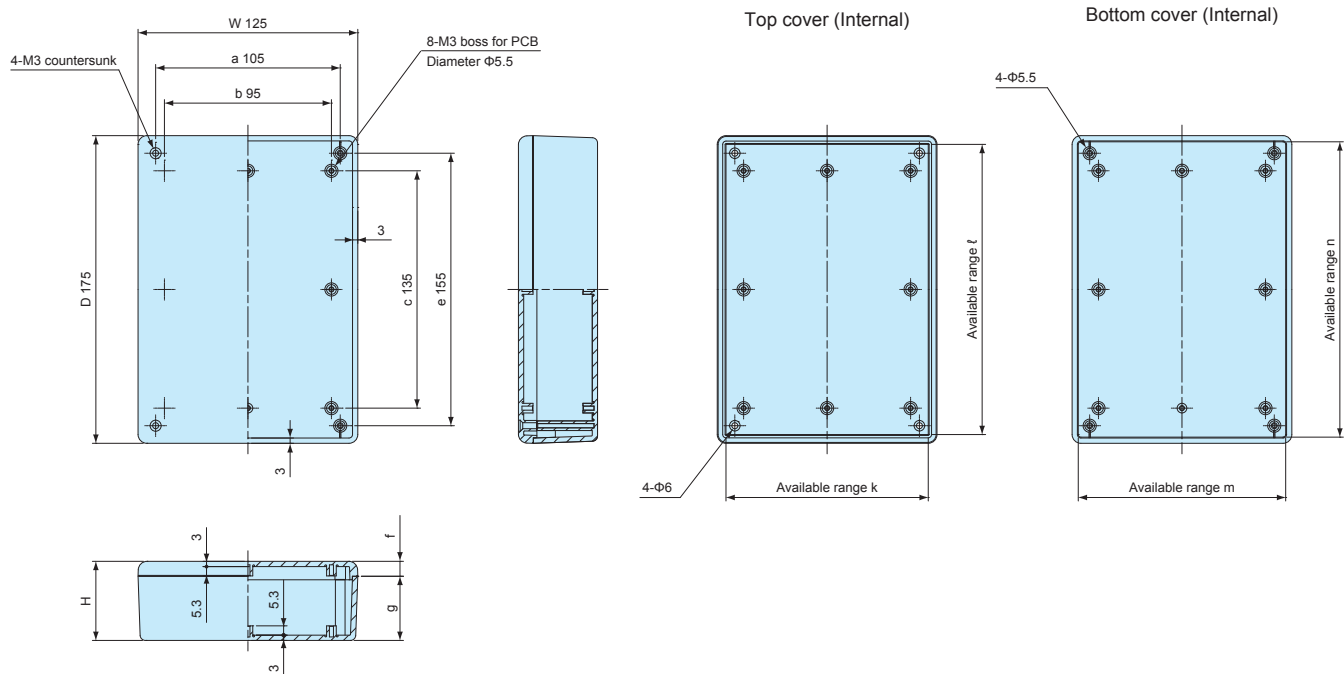


Best.-Nr. - Product no.	W	H	D	a	b	c	e	f	g	i	j	k	ℓ	m	n
TW / TWN13-3-13□	125	25	125	107	89	89	107	8.5	16.5	—	—	115	115	118	118
TW / TWN13-5-13□	125	45	125	107	89	89	107	8.5	36.5	—	—	115	115	116.5	116.5

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

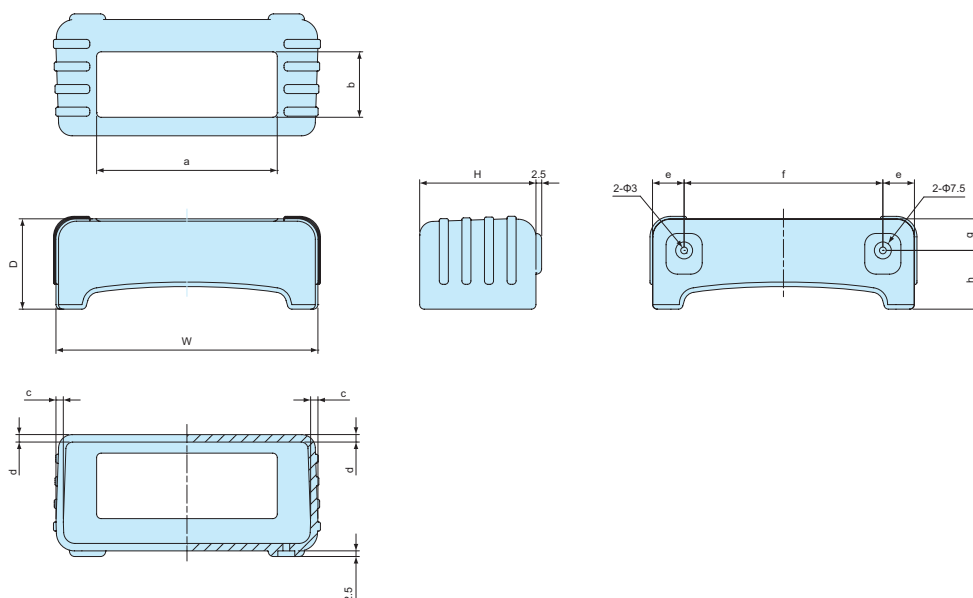
Serie TWSC Silikonschutz für TW•TWN

Series TWSC Silicone protector for TW•TWN

Farbcode - Color Type

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

- Silikonprotector 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