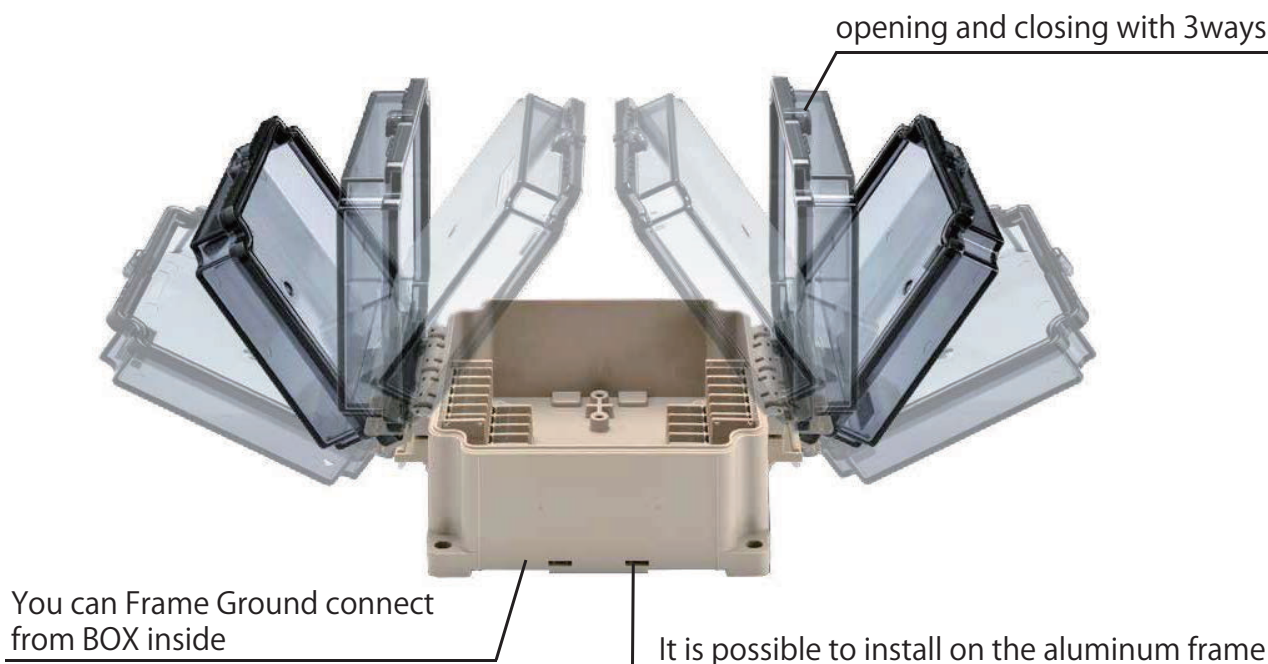


BOXTH Series



<Specifications>

Rated voltage		AC,DC 600V
Rated current		15A
Insulation resistance		100MΩ or more (DC500V)
Withstand voltage		AC 2500V / min
Applicable wire		2.0mm ² / MAX
Tightening torque	Terminal Screw	0.8~1.4N・m
	Lid	1.0~1.2N・m
Protection Rating		IP67
Ambient temperature		Ivory: -40℃~+80℃ Clear/Smoked:-40℃~+65℃ (No freezing and condensations)
Relative humidity		45%~85%

<Materials>

Main body	PBT	UL94V-0
Lid	PBT (Ivory)	UL94V-0
	PAR (Clear/smoked)	UL94V-2
Gasket	Formed urethane	These are already in the lid.
Nut	Brass (Ni plating)	These are already in the lid.
Hinge	Nylon 66 (Beige)	UL94V-0
Screw	SUS	These are already in the lid.
Spring	SUS	These are already in the lid.

<Chemical resistance>

Liquid solution	Lid: Ivory	Lid: Clear/smoked	Liquid solution	Lid: Ivory	Lid: Clear/smoked
Water	◎	○	Ethylene glycol	◎	○
Mineral oil	◎	○	Ester	△	×
Heating oil	○	○	Halogenated hydrocarbon	△	×
Gasoline	△	○	Phenol	×	×
Anti-corrosion oil	◎	○	Cresol	×	×
Vegetal oil	◎	○	Liquid ammonia	×	×
Acetone	△	×	Oxygenated water	○	○
Benzene	△	×	Weak acid	◎	○
Carbon tetrachloride	△	○	Strong acid	△	△
Alcohol	◎	○	Weak alkali	△	△
Acetic Ether	△	×	Strong alkali	×	△

◎...High resistance, and non-degrade

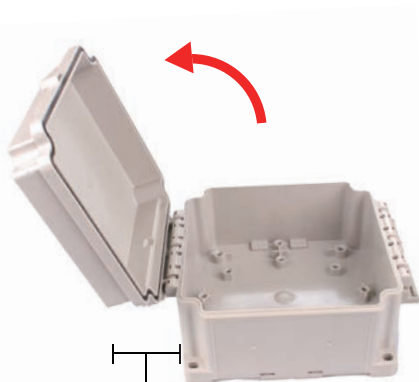
○...little change the weight, and usable according to condition

△...change the weight and dimension, but usable for a short time

×...It is difficult to use because of swelling and melting

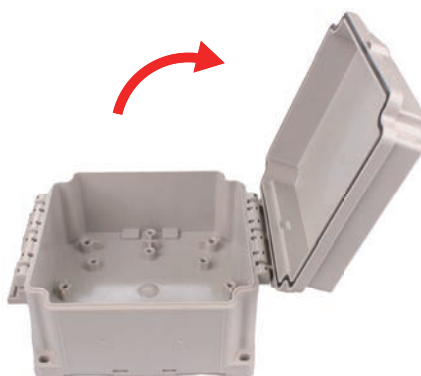
It is useful because of opening and closing with 3ways.

1



*Allow space for opening/closing

2

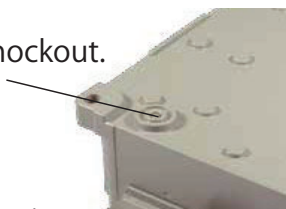


3

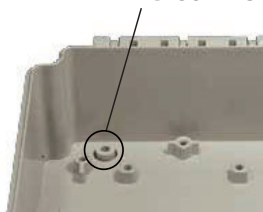


Frame Ground connect

Hammer the knockout.



FG connection



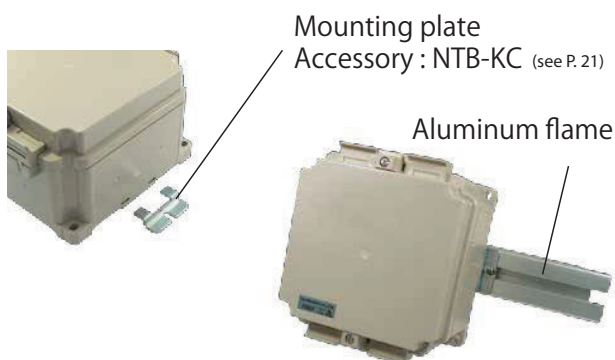
Attach O-ring
(in the marketplace).
(wire diameter $\Phi 1.78$ /inside
meter $\Phi 7.65$)

Remove the knockout with plastic hammer. Frame Ground connect after attach O ring.
Please tighten the screw to support from BOX inside when FG connect.

Please waterproof treatment for screw hole with the hexagon cap nut and packing
when FG connect.

We don't offer O ring and screws to FG connect.
Please purchase separately.

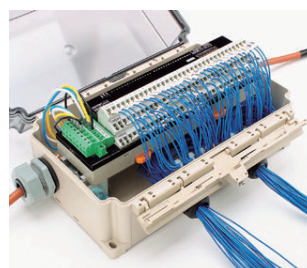
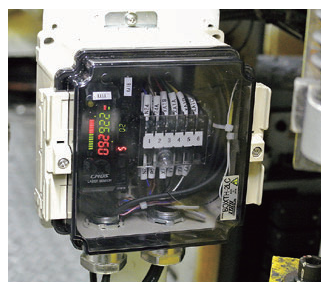
Mounting on Aluminum Frame



It is possible to mount on aluminum frame with not only 4 point fixation but also 2 point fixation and on narrow mounting surface by the use of the optional fixture: NTB-KC (2fixtures/1set)

(We don't offer the screws and nuts. Please purchase separately.)

Example of use



<Products Table>

BOXTH-1 ☐ ☐

Lid color and height	Ivory			Clear / Smoked		
	Part No.	Weight	Dim.(mm)	Part No.	Weight	Dim.(mm)
Low type	BOXTH-1LB	360 g	W : 119 D : 115.6 H : 76	BOXTH-1LC	280 g	W : 119 D : 115.6 H : 76
	BOXTH-1LBA (With Terminal block 8P)	298 g				
High type	BOXTH-1HB	324 g	W : 119 D : 115.6 H : 95	BOXTH-1HC	300 g	W : 119 D : 115.6 H : 95

(Sales lot : 1pc)

BOXTH-2 ☐ ☐

Lid color and height	Ivory			Clear / Smoked		
	Part No.	Weight	Dim.(mm)	Part No.	Weight	Dim.(mm)
Low type	BOXTH-2LB	413 g	W : 134 D : 149.6 H : 86	BOXTH-2LC	389 g	W : 134 D : 149.6 H : 86
	BOXTH-2LBA (With Terminal block 16P)	596 g				
High type	BOXTH-2HB	457 g	W : 134 D : 149.6 H : 111	BOXTH-2HC	426 g	W : 134 D : 149.6 H : 111

(Sales lot : 1pc)

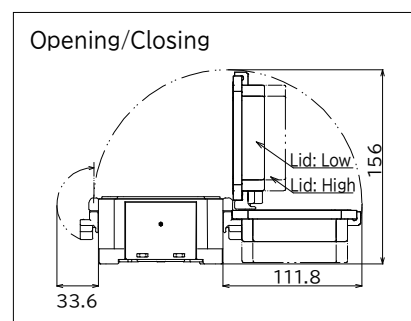
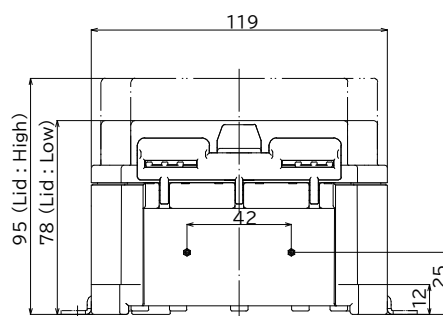
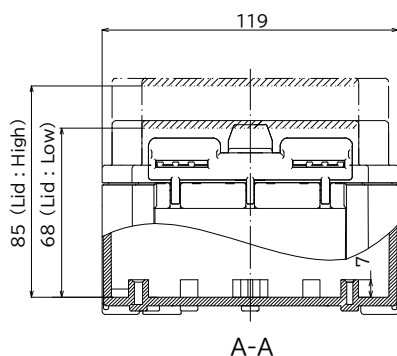
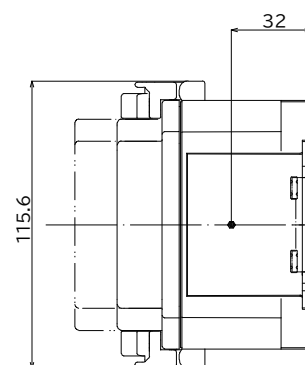
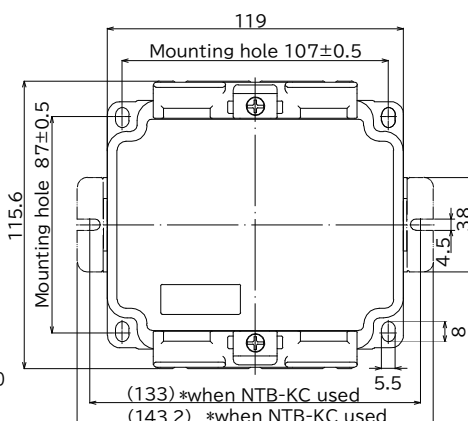
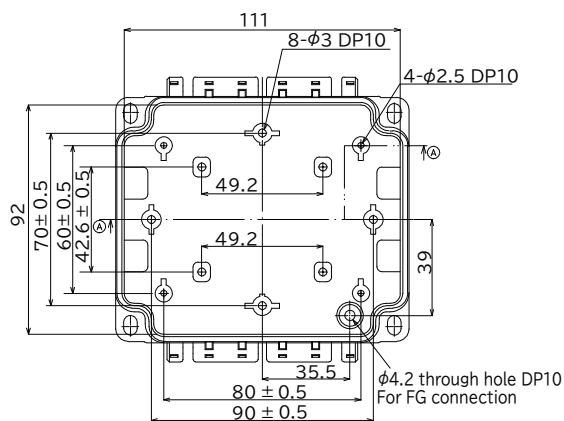
BOXTH-3 ☐ ☐

Lid color and height	Ivory			Clear / Smoked		
	Part No.	Weight	Dim.(mm)	Part No.	Weight	Dim.(mm)
Low type	BOXTH-3LB	710 g	W : 134 D : 149.6 H : 86	BOXTH-3LC	664 g	W : 134 D : 149.6 H : 86
	BOXTH-3LBA (With Terminal block 36P)	1115 g				
High type	BOXTH-3HB	777 g	W : 134 D : 149.6 H : 111	BOXTH-3HC	726 g	W : 134 D : 149.6 H : 111

(Sales lot : 1pc)

■ **BOXTH-1LB / BOXTH-1LC / BOXTH-1HB / BOXTH-1HC**

IP67

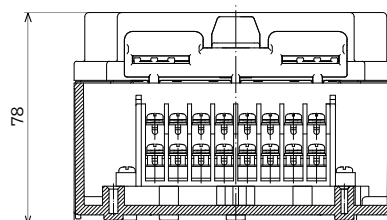
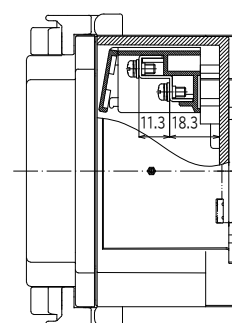
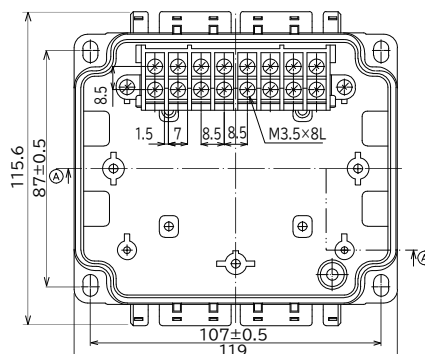


■ **BOXTH-1LB-A (with Terminal block 8P)**

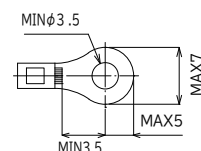
600V / 15A / 2mm² [Screw size M3.5]

<Dimension of Terminal block>

IP67



<Applicable crimp terminal>

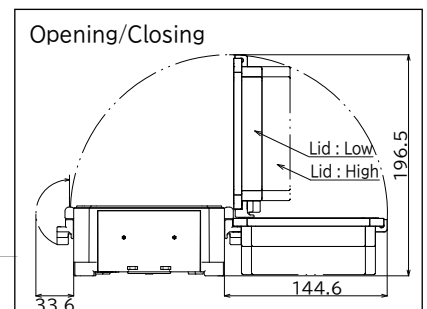
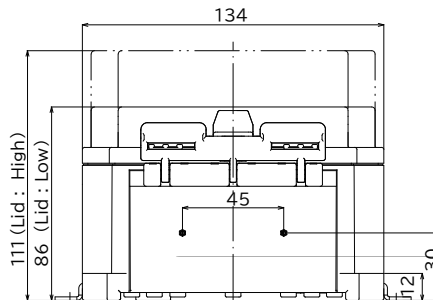
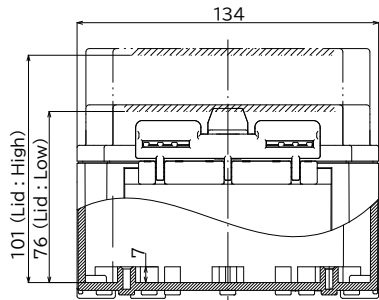
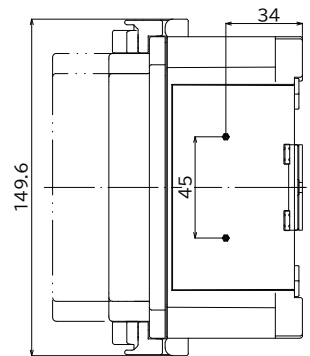
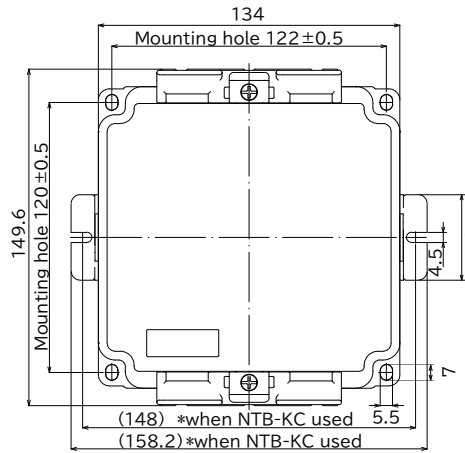
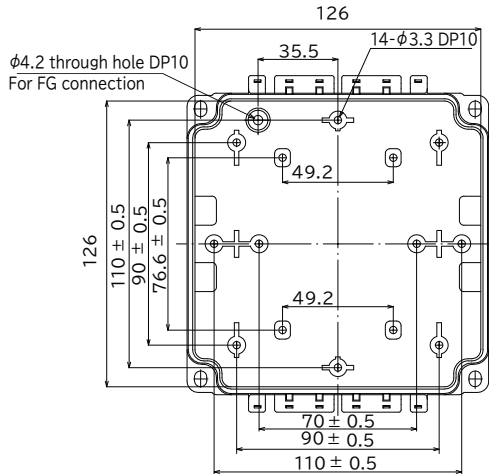


<Applicable Short bar>

BB8.5-2, 4, 8 (see P.20)

■ BOXTH-2LB / BOXTH-2LC / BOXTH-2HB / BOXTH-2 HC

IP67



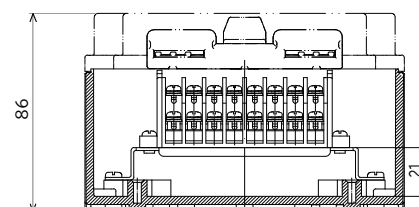
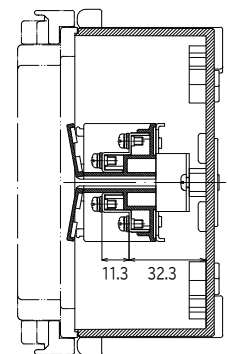
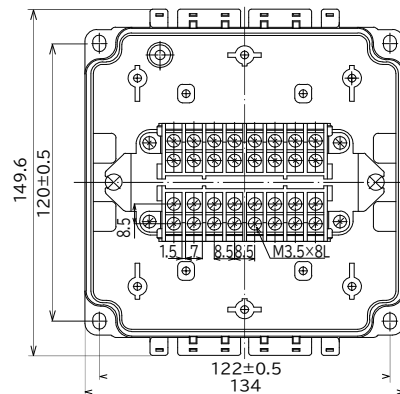
■ **BOXTH-2LB-A (with Terminal block 16P)**

600V / 15A / 2mm² [Screw size M3.5]

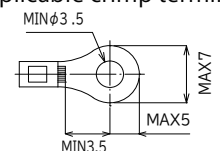
IP67



<Dimension of Terminal block>



<Applicable crimp terminal>

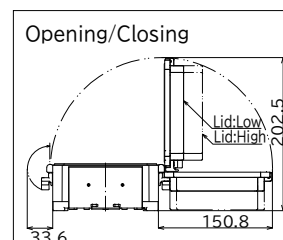
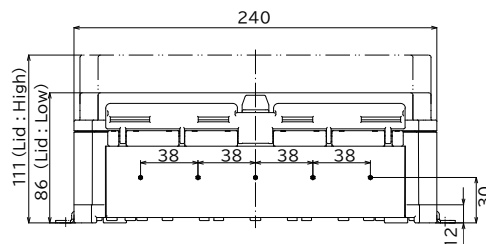
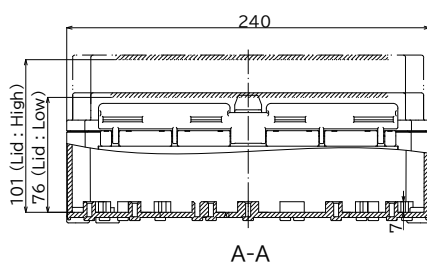
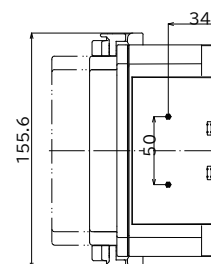
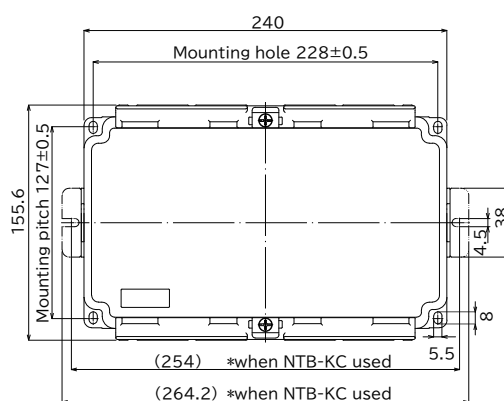
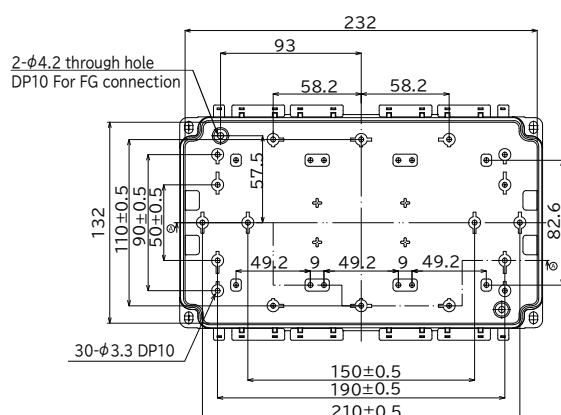


<Applicable Short bar>

BB8.5-2, 4, 8 (see P.20)

■ **BOXTH-3LB / BOXTH-3LC / BOXTH-3HB / BOXTH-3HC**

IP67

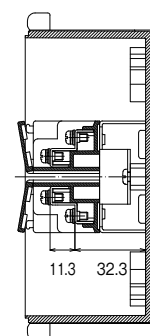
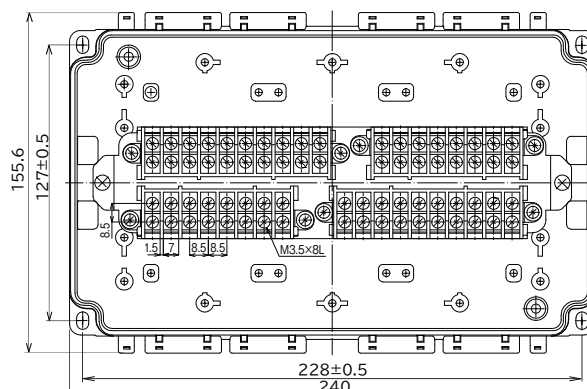


■ **BOXTH-3LB-A (with Terminal block 36P)**

600V / 15A / 2mm² [Screw size M3.5]

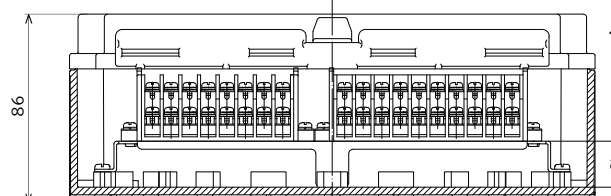
<Dimension of Terminal block>

IP67

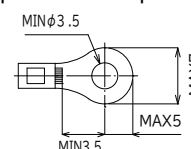


<Applicable Short bar>

BB8.5-2, 4, 8, 10 (see P.20)



<Applicable crimp terminal>



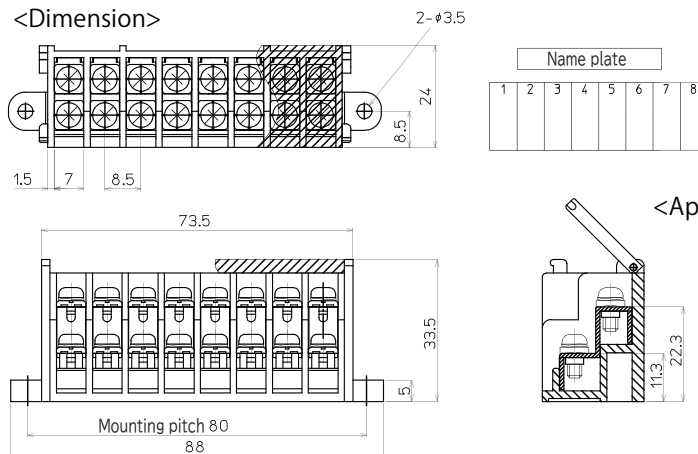
◆ Accessories

【Terminal block for optional installation】

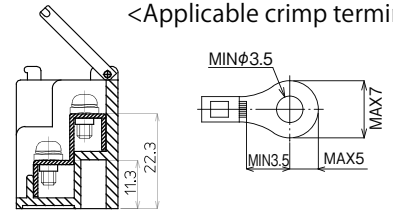
■ CNT15-8



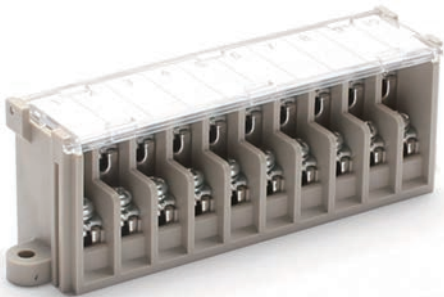
Weight : 60g
Sales lot : 1pc



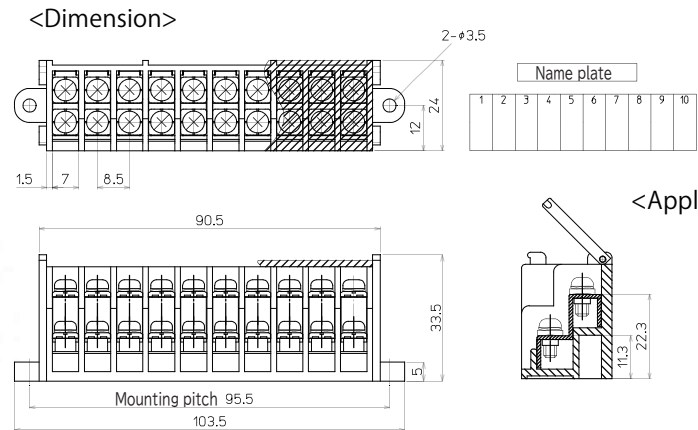
<Applicable crimp terminal>



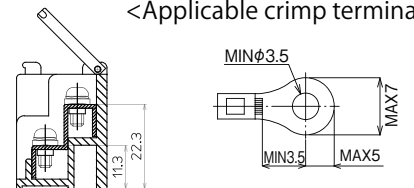
■ CNT15-10



Weight : 77g
Sales lot : 1pc



<Applicable crimp terminal>



<Specifications>

Rated voltage	600V
Rated current	15A
Insulation resistance	100MΩ or more (DC500V)
Withstand voltage	AC 2500V / min
Applicable wire	2.0mm ² / MAX
Tightening torque	1.4N·m
Ambient temperature	-25℃~ +100℃ (No freezing and condensations)
Relative humidity	45%~85%

<Materials>

Terminal block main body	PBT (UL94V-0)
Conductive plate	Brass (Ni plating)
Terminal Screw	SWCH (Zn + trivalent chromate-plating) M3.5×8L
Cover	PC (UL94V-0)
Name plate	Paper

<Applicable Short bar>
BB8.5-2, 4, 8, 10

【Short bar】

■ BB8.5-2



■ BB8.5-4



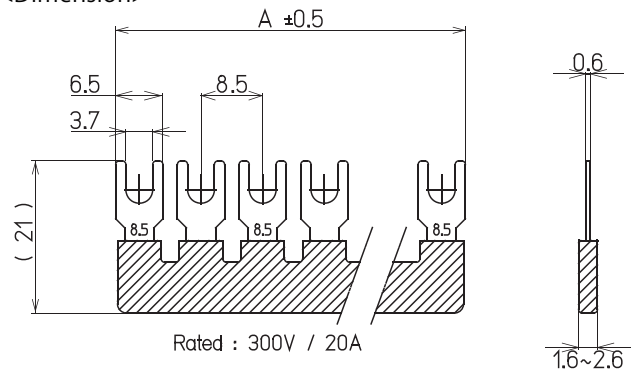
■ BB8.5-8



■ BB8.5-10



<Dimension>



No. of poles	Part No.	A	Weight	Sales lot
2	BB8.5-2	14.5mm	1.1g	10pcs
4	BB8.5-4	31.5mm	2.2g	10pcs
8	BB8.5-8	65.5mm	4.6g	10pcs
10	BB8.5-10	82.5mm	5.9g	10pcs

Material : Copper alloy(Ni plating) , PVC

◆ Accessories

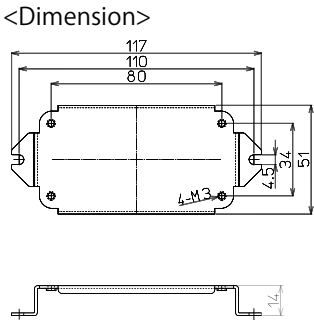
【Installation plate set】

■ TH2-PLS *Plate to install CNT15-8



Weight : 60g
Sales lot : 1set

Part No.	Applicable BOX series
TH2-PLS	BOXTH-2 and BOXTH-3



<Set contents>

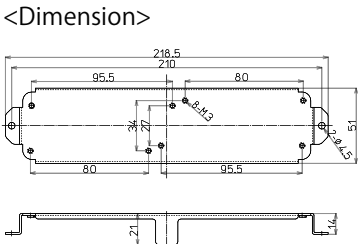
Description	Material	Qty.
Installation plate for terminal (t=1.2)	SPCC (Zinc plating)	1
Self-tapping screw (Nonimal Diameter 4x10L)	SWCH (Zinc plating)	2
Screw (M3x10L)	SWCH (Zinc plating)	4

■ TH3-PLS *Plate to install CNT15-8 and CNT15-10



Weight : 60g
Sales lot : 1set

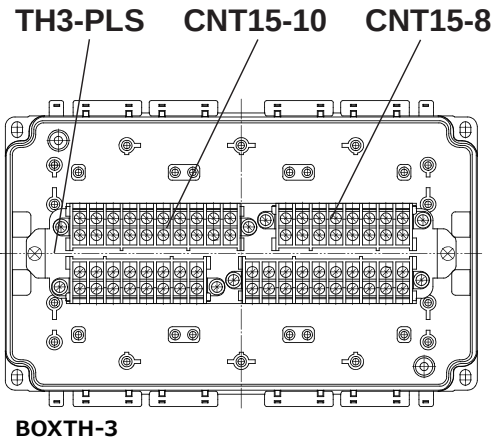
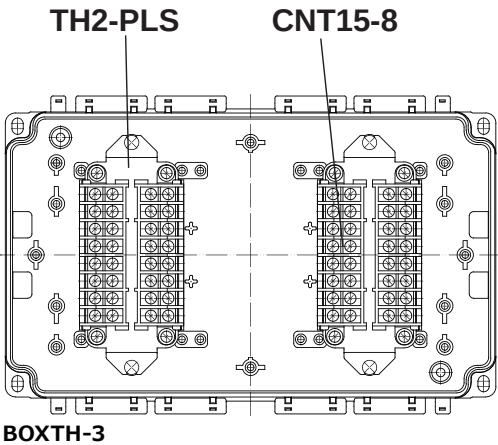
Part No.	Applicable BOX series
TH3-PLS	BOXTH-3



<Set contents>

Description	Material	Qty.
Installation plate for terminal (t=1.2)	SPCC (Zinc plating)	1
Self-tapping screw (Nonimal Diameter 4x10L)	SWCH (Zinc plating)	8
Screw (M3x10L)	SWCH (Zinc plating)	8

Example of use



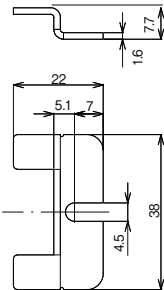
【Mounter for double fixation】

■ NTB-KC



Material: SPCC Zinc plating
Sales lot: 1pc
Weight: 9g

<Dimension>



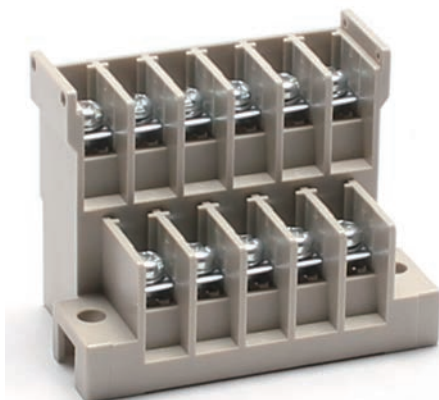
◆ Accessories

【Terminal block】

*Terminal block to install on the wall side

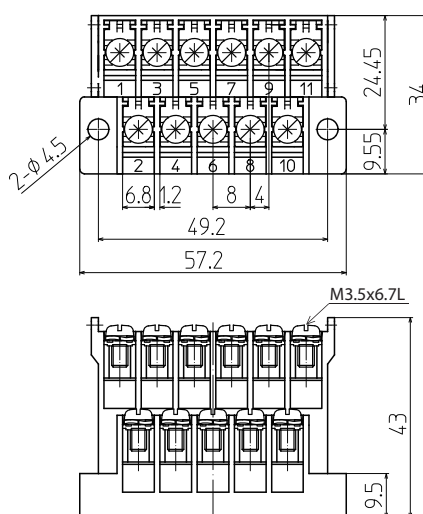
■ KTW8-11P

M3.5 / 11poles

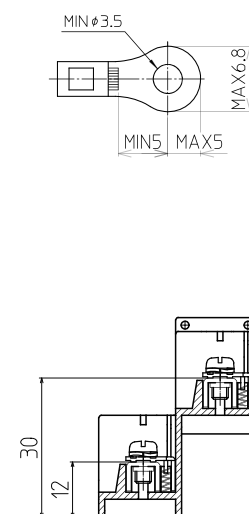


Weight : 47g
Sales lot : 1pc

<Dimension>



<Applicable crimp terminal>



<Specifications>

Rated voltage	600V
Rated current	15A
Insulation resistance	100MΩ or more (DC500V)
Withstand voltage	AC 2500V / min
Applicable wire	2.0mm ² / MAX
Tightening torque	1.4N·m
Ambient temperature	-25℃~ +100℃ (No freezing and condensations)
Relative humidity	45%~85%

※Please use the terminal block within operating ambient temperature, when it is in the BOX.

<Materials>

Terminal block main body	PBT (UL94V-0)
Conductive plate	Brass (Ni plating)
Terminal Screw	SWCH (Zn + trivalent chromate-plating) M3.5×6.7L
Washer	SWCH (Zn + trivalent chromate-plating)
Spring	SUS

※Please use M4x10L tapping screw when installing terminal block
※Tightening torque when installing terminal block...1.0N·m
※Self-tapping screws for mounting terminal blocks are not included.

<Applicable Short bar>

BB8A-2, 4, 6 (see P.35)

Example of mounting terminal block

11poles

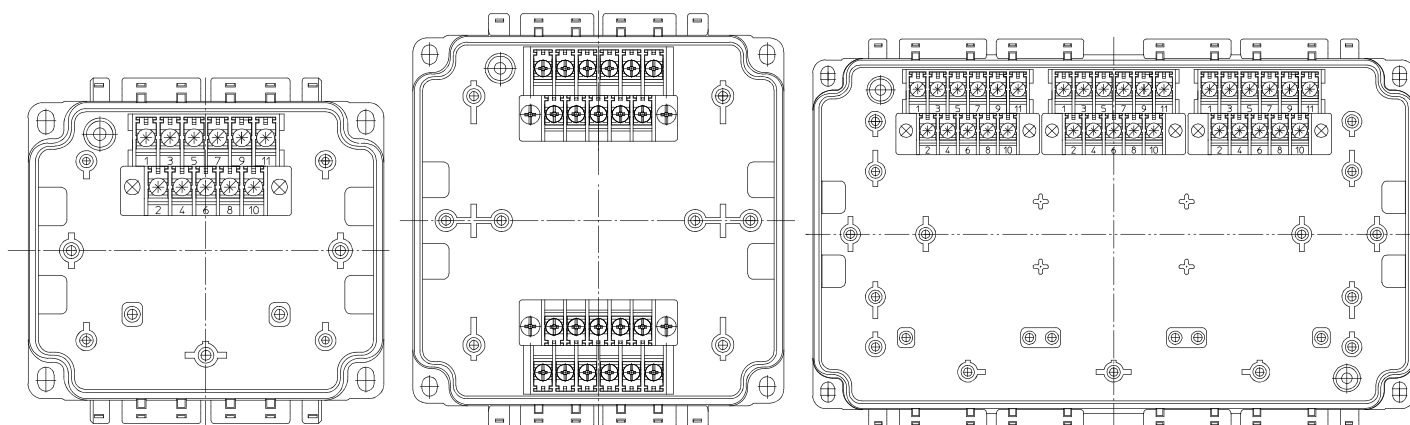
(BOXTH-1) + (KTW8-11P)

22poles

(BOXTH-2) + (KTW8-11P)x2

33poles

(BOXTH-3) + (KTW8-11P)x3



◆ Accessories

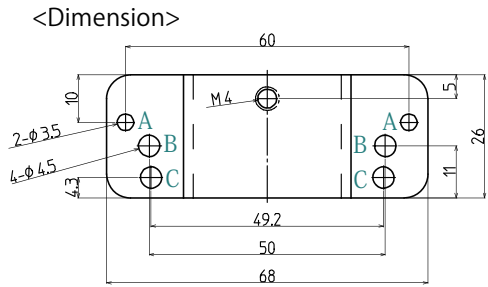
【Installation plate set】

*Making space under the mounted devices for well-organized wiring.

■ TH4-PLS (3)



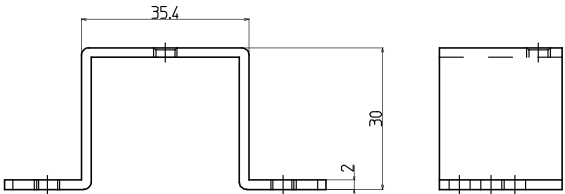
Nonimal Diameter : 3
Weight : 46g
Sales lot : 1set



■ TH4-PLS (4)



Nonimal Diameter : 4
Weight : 46g
Sales lot : 1set



<Set contents>

Description	Material	Qty.
Installation plate for terminal (t=2.0)	SPCC (Zinc plating)	2
TH4-PLS(3) : Self-tapping screw (ND3x10L)	SWCH (Zinc plating)	4
TH4-PLS(4) : Self-tapping screw (ND4x10L)		

Part No.	Mounting holes	Applicable BOX series
TH4-PLS(3)	A	BOXTH-1
	B	BOXTH-3
TH4-PLS(4)	C	BOXTH-1
		BOXTH-2
		BOXTH-3

Mounting position

