Harness to use the function of the output module is prepared in ACE series.

ACE Series

Mating harness

Model	Harness model #	Contents
ACE series	H-SN-14	Harness for using AUX and PR alarm of CN1.
	H-SN-16	Harness for using all function of output modules. (CN2)
	H-SN-17	Harness for using all functions except remote sensing of the output modules. (CN2)
	H-SN-18	Harness for using remote ON/OFF of output module S, T, U.(CN2)

●Model number
H-SN-14

Housing : XHP-3 (J.S.T.)
Pin : SXH-001T-P0.6 (J.S.T.)

●Type

●Wire

Pin #	Wire	AWG	Color	Length ℓ (mm)
1	UL1007	22	black	500
2	UL1007	22	yellow	500
3	UL1007	22	red	500

●Model number
H-SN-16

Housing : PHDR-10VS (J.S.T.)
Pin : SPHD-002T-P0.5 (J.S.T.)

●Type

●Wire

Pin #	Wire	AWG	Color	Length ℓ (mm)
1	UL1061	28	yellow	500
2	UL1061	28	orange	500
3	-	-	-	-
4	-	-	-	-
5	UL1061	28	blue	500
6	UL1061	28	black	500
7	UL1061	28	red	500
8	UL1061	28	red	500
9	UL1061	28	black	500
10	UL1061	28	black	500

✱ The even number pin side of the connector is the same wiring as the odd number pin side.

●Model number
H-SN-17

Housing : PHDR-10VS (J.S.T.)
Pin : SPHD-002T-P0.5 (J.S.T.)

●Type

✱ Pin #7 and #8 are shorted with harness and also pin #9 and #10.

●Wire

Pin #	Wire	AWG	Color	Length ℓ (mm)
1	UL1061	28	yellow	500
2	UL1061	28	orange	500
3	-	-	-	-
4	-	-	-	-
5	UL1061	28	blue	500
6	UL1061	28	black	500
7	UL1061	28	red	30
8	UL1061	28	red	30
9	UL1061	28	black	30
10	UL1061	28	black	30

✱ The even number pin side of the connector is the same wiring as the odd number pin side.

●Model number
H-SN-18

Housing : PHR-2 (J.S.T.)
Pin : SPH-002T-P0.5S (J.S.T.)

●Type

●Wire

Pin #	Wire	AWG	Color	Length ℓ (mm)
1	UL1007	26	yellow	500
2	UL1007	26	orange	500

COSEL | Optional Parts

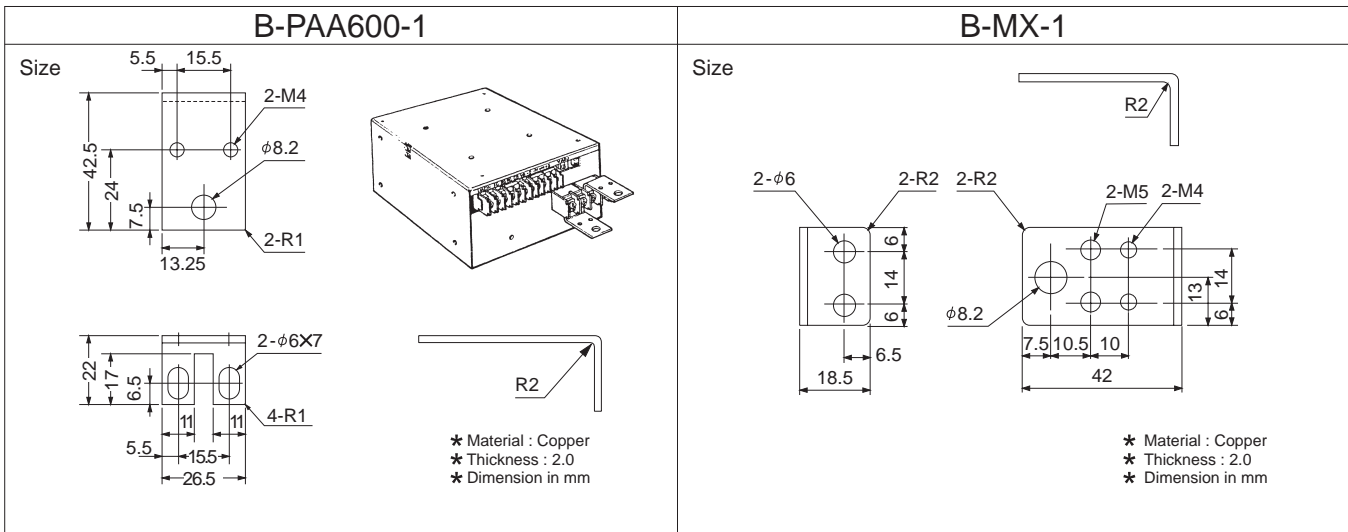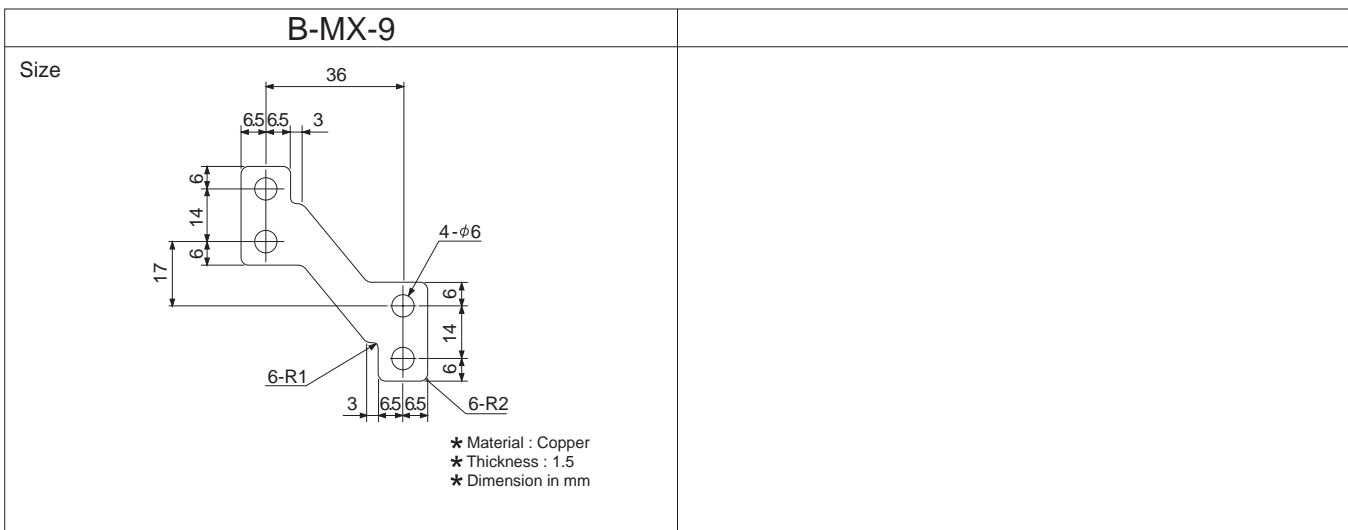## ■Terminal Attachment

Terminal attachment to facilitate two or more terminal connections to power supply output is prepared in PAA, UAW, UAF, MAX and ACE series.

Type	Mating Model	Contents
B-PAA600-1	PAA300 PAA600 UAW500 UAF500	Terminal attachment to facilitate two or more terminal connections to power supply output
B-MX-1	PBA600F MAX1600F MAX1600T MAX3200T	Terminal attachment to facilitate terminal connections to power supply output
B-MX-9	MAX1600F MAX1600T MAX3200T	Terminal attachment for series operation as output modules

B-PAA600-1

Size

2-M4, φ8.2, 2-R1, 5.5, 15.5, 42.5, 24, 7.5, 13.25

2-φ6X7, 22, 17, 6.5, 11, 11, 4-R1, 5.5, 15.5, 26.5, R2

★ Material : Copper
★ Thickness : 2.0
★ Dimension in mm

B-MX-1

Size

R2, 2-φ6, 2-R2, 2-R2, 2-M5, 2-M4, φ8.2, 6, 14, 6, 6.5, 18.5, 7.5, 10.5, 10, 42, 13, 14, 6

★ Material : Copper
★ Thickness : 2.0
★ Dimension in mm

★ It is necessary to install the attachments on opposite direction to avoid short-circuit between + and - in terminal block.

B-MX-9

Size

36, 6.5, 6.5, 3, 6, 14, 6, 17, 4-φ6, 6, 14, 6, 6-R1, 3, 6.5, 6.5, 6-R2
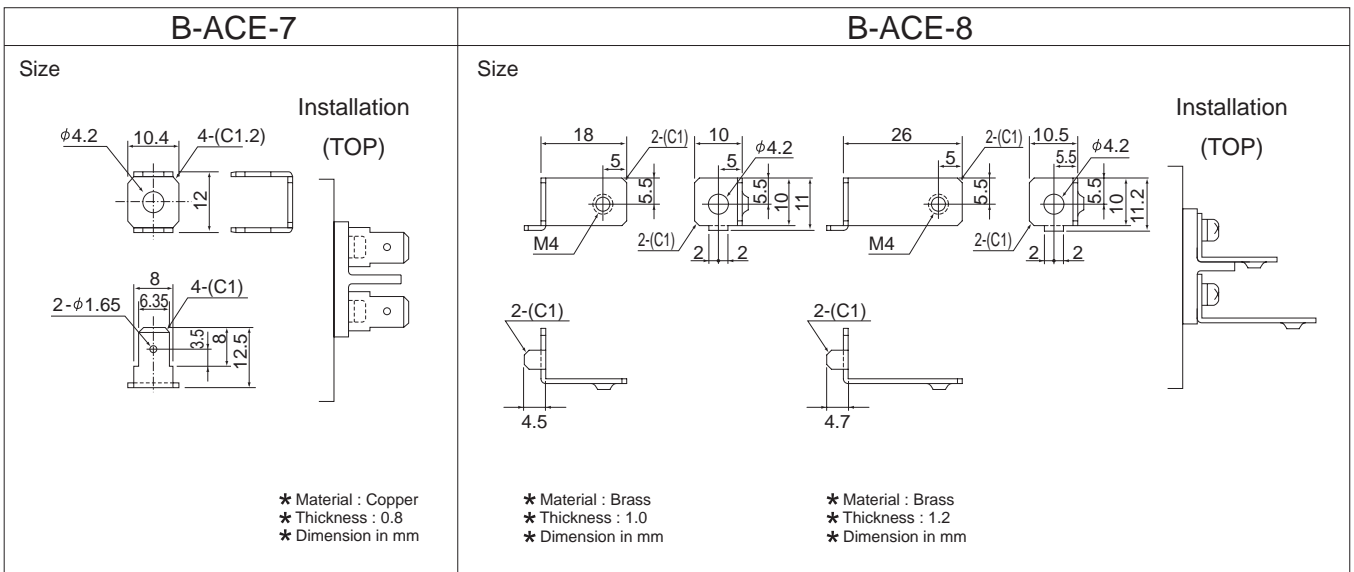
★ Material : Copper
★ Thickness : 1.5
★ Dimension in mm

★ It is necessary to install B-MX-1 on opposite direction to avoid short-circuit between + and - terminal block.
★ Please note the direction of the installation to prevent the short-circuit between the outputs when using B-MX-1 and B-MX-9 at the same time.
★ The cover of terminal block does not be attached to B-MX-1 with installation screw and solderless terminal occasionally.
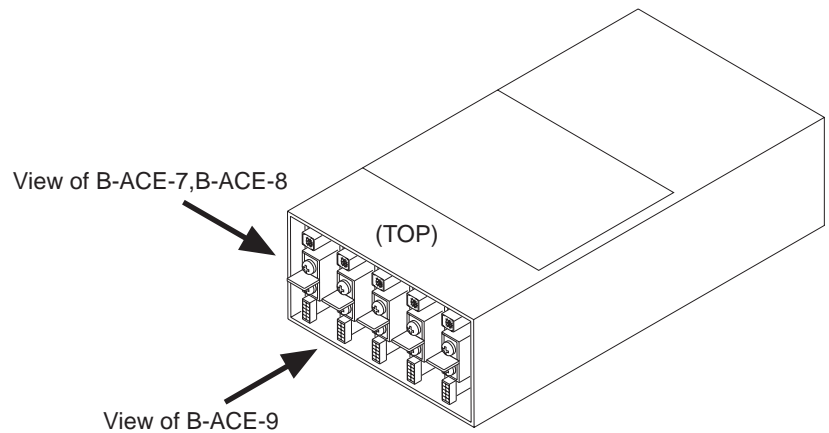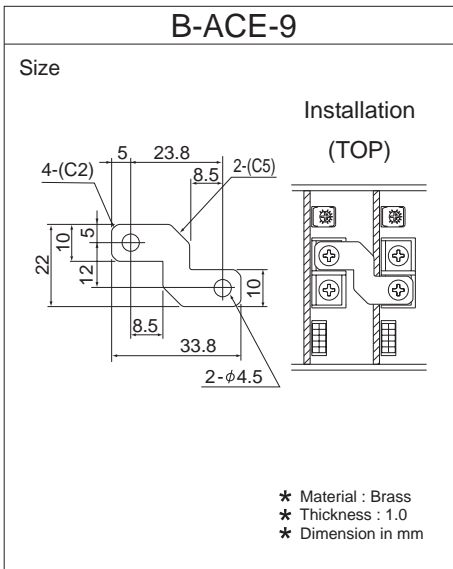
Option

J-34

Type	Mating Model	Contents
B-ACE-7	ACE series	Terminal attachment to facilitate faston terminal output modules
B-ACE-8	ACE series	Terminal attachment to facilitate wiring
B-ACE-9	ACE series	Terminal attachment for series opration as output modules

∗These attachments cannot be used for module code S, T, U, Y, W, Z, 9, Q, and V.

B-ACE-7

Size

Installation (TOP)

φ4.2 10.4 4-(C1.2) 12

8 4-(C1) 6.35 2-φ1.65 3.5 8 12.5

∗ Material : Copper
∗ Thickness : 0.8
∗ Dimension in mm

B-ACE-8

Size

Installation (TOP)

18 2-(C1) 10 φ4.2 5 5 5.5 5.5 10 11 M4 2-(C1) 2 2

26 2-(C1) 10.5 φ4.2 5 5.5 5.5 10 11.2 M4 2-(C1) 2 2

2-(C1) 4.5

2-(C1) 4.7

∗ Material : Brass
∗ Thickness : 1.0
∗ Dimension in mm

∗ Material : Brass
∗ Thickness : 1.2
∗ Dimension in mm

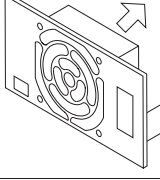∗ B-ACE-7: Recommended faston terminal #250.
   Quantity is 1 piece.
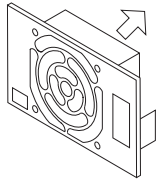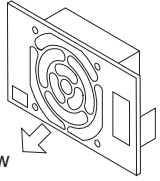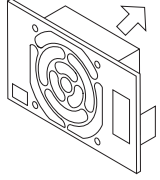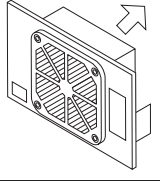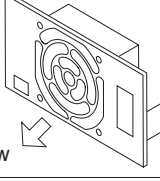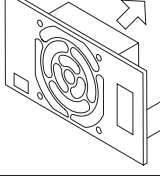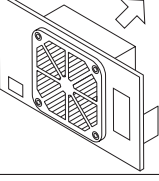
∗ B-ACE-8: Please be carefull with that B-ACE-8 is not stressd in wiring.
   Quantity is a couple.

B-ACE-9

Size

Installation (TOP)

5 23.8 4-(C2) 8.5 2-(C5) 22 10 5 12 10 8.5 33.8 2-φ4.5

∗ Material : Brass
∗ Thickness : 1.0
∗ Dimension in mm

View of B-ACE-7, B-ACE-8

(TOP)

View of B-ACE-9

Option

J-35

■Fan unit
★Fan unit is prepared by the option.

ACE Series
MAX Series

Fan unit type	Matching model	External	Pin connection
FAN-AC3 (Standard)	ACE300F <Standard>	Air flow	
FAN-AC3-F (Air flow reverse : -F)	ACE300F <Modification : F>	Air flow	CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T)
FAN-AC3-K (Low speed : -K)	ACE300F <Modification : K>	Air flow	Pin No. 1 GND / 2 FAN ALARM / 3 POWER
FAN-AC3-T (With filter : -T)	ACE300F <Modification : T>	Air flow	LENGTH OF HARNESS = 60 ± 10mm
FAN-AC4 (Standard)	ACE450F ACE650F <Standard>	Air flow	
FAN-AC4-F (Air flow reverse : -F)	ACE450F ACE650F <Modification : F>	Air flow	CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T)
FAN-AC4-K (Low speed : -K)	ACE450F ACE650F <Modification : K>	Air flow	Pin No. 1 GND / 2 FAN ALARM / 3 POWER
FAN-AC4-T (With filter : -T)	ACE450F ACE650F <Modification : T>	Air flow	LENGTH OF HARNESS = 55 ± 10mm

＊1 Handle with care and don't add the impact such as falls or throwing to the unit.
＊2 Exchange the unit after intercepting the input power.
＊3 When the unit is exchanged, make sure there are not loosening of the connector and shutting the harness.

■Fan unit

★Fan unit is prepared by the option.

ACE Series
MAX Series

Fan unit type	Matching model	External	Pin connection
FAN-AC9 (Standard)	ACE900F <Standard>	Air flow	CONNECTOR = XAP-03V-1 (Mfr : J. S. T) TERMINAL = SXA-001T-P0.6 (Mfr : J. S. T)
FAN-AC9-F (Air flow reverse : -F)	ACE900F <Modification : F>	Air flow	
FAN-AC9-K (Low speed : -K)	ACE900F <Modification : K>	Air flow	Pin No. / Content: 1 GND, 2 FAN ALARM, 3 POWER
FAN-AC9-T (With filter : -T)	ACE900F <Modification : T>	Air flow	LENGTH OF HARNESS = 55 ± 10mm
FAN-MA1 (Standard)	MAX1600F MAX1600T <Standard>	Air flow	CONNECTOR = XHP-3 (Mfr : J. S. T) TERMINAL = SXH-001T-P0.6 (Mfr : J. S. T)
FAN-MA1-B (Long life : -B)	MAX1600F MAX1600T <Modification : B>	Air flow	
FAN-MA3 (Standard)	MAX3200T <Standard>	Air flow	Pin No. / Content: 1 POWER, 2 FAN ALARM, 3 GND
FAN-MA3-B (Long life : -B)	MAX3200T <Modification : B>	Air flow	LENGTH OF HARNESS = 210 ± 15mm

✱1 Handle with care and don't add the impact such as falls or throwing to the unit.
✱2 Exchange the unit after intercepting the input power.
✱3 When the unit is exchanged, make sure there are not loosening of the connector and shutting the harness.

Option