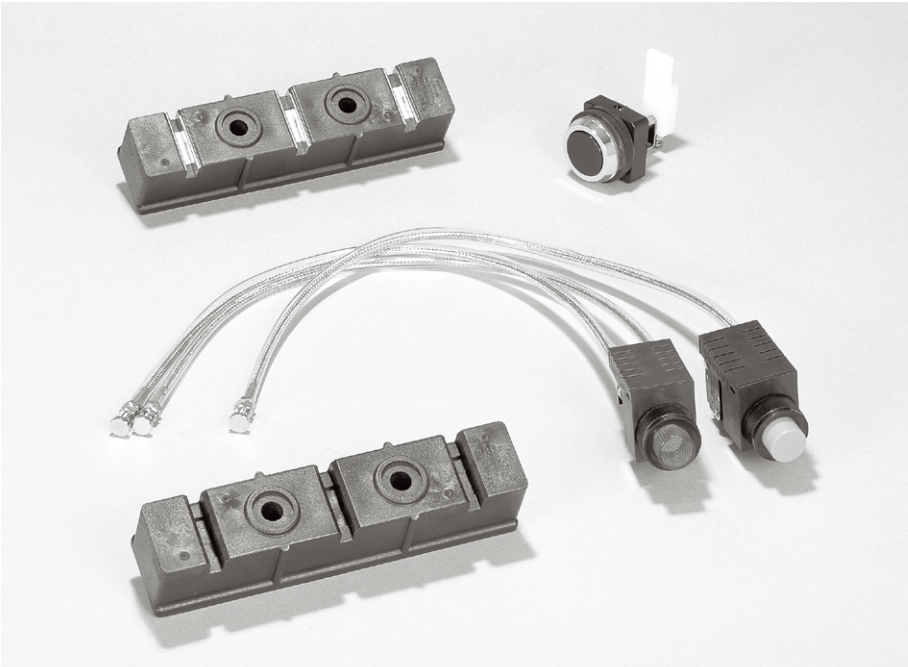


PRODUCTS RELATED TO CONTROL CENTER



PRODUCTS RELATED TO CONTROL CENTER

KJ-K TYPE BUSBAR KEEPER

FEATURES

- This product supports busbar and keeps insulation.
- High-performance engineering plastic [modified PPE resin (G20%)] with high heat resistance is used.
This material is lightweight and has excellent mechanical strength.
This busbar keeper can be applied to 4mm and 5mm busbar with the attachments as well as 6mm.

HOW TO ORDER

KJ-K606
Basic type

Busbar thickness	
Code	Application
6	for 6mm
5	for 5mm
4	for 4mm

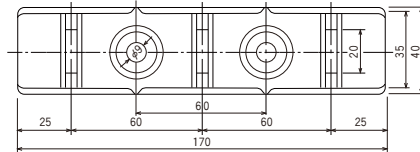


PRODUCTS RELATED TO CONTROL CENTER

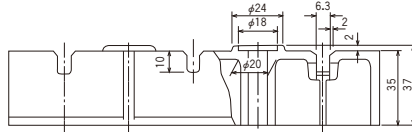
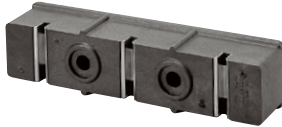
KJ-K TYPE

STANDARD PRODUCTS

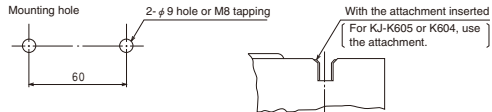
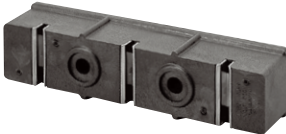
KJ-K606 (Busbar thickness: 6mm)



KJ-K605 (Busbar thickness: 5mm)



KJ-K604 (Busbar thickness: 4mm)

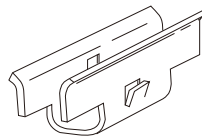


ACCESSORIES

Attachment

KJ-K4 attachment : for KJ-K604

KJ-K5 attachment : for KJ-K605



Relation between short-circuit current and proper installation span (busbar keeper)

As mentioned earlier (C14), the electromagnetic repulsion and attracting force due to short-circuit current between A and B in the right figure is expressed by the following equation. To determine the safe and proper installation span l from the relation between this equation and the mechanical strength of the keeper, see the table below:

$$f = \frac{2}{9.81} \times I^2 \times l / r_k \times 10^{-7} \text{ kg}$$

i = Crest value of short-circuit current

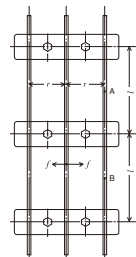
k = Constant between 0.8 and 1.0 depending on shape and layout
(Assume a safer value for l)

f = 800 kg based on breakdown test data and safety factor

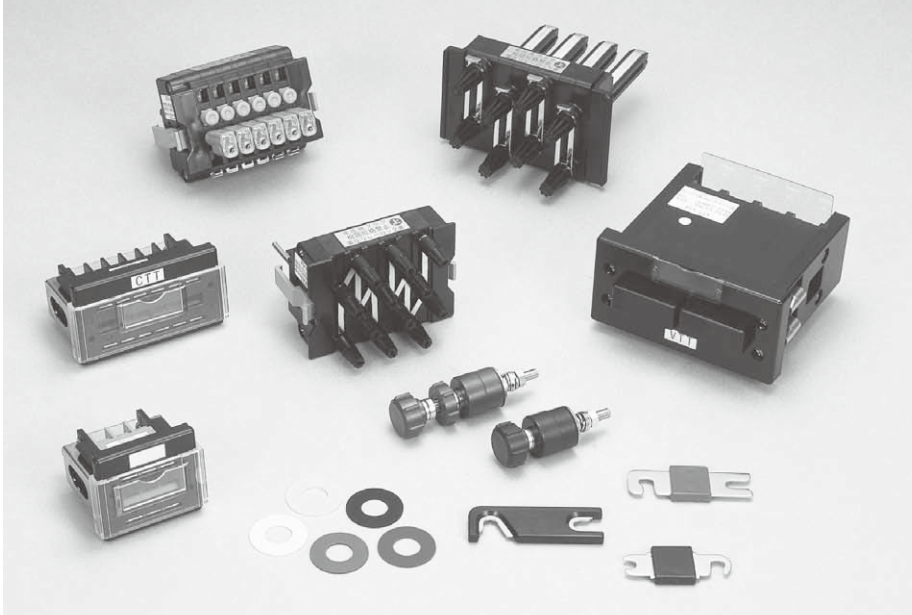
r = 60mm

r.m.s. value for short-circuit current	Proper span l (max.)
50kA	150mm
40kA	230mm
30kA	420mm

Note: The above table disregards the strength of the bus itself.



TEST TERMINAL



FEATURES

■ Simplified calibration and testing procedures

Our test terminals allow you to perform calibration and testing procedures with instrument and relays connected in place, resulting in great labor saving.

■ Broad range of applications

Our test terminals are available in a broad range of types including the stud type and insertion type to meet your current capacity requirements ranging from 5 to 30A and your applications.

■ Safety structure

Our test terminals for CT circuits are designed to prevent the circuit open. Both of the insertion type test terminals

for PT and CT circuits assure safety with their structure that prevents wrong insertion.

■ High insulation and anti-inflammability

For the housing material, high-performance engineering plastics is used to provide high insulation, anti-inflammability, and impact resistance.

■ Special spec for tropical region

To ensure high durability in harsh use under tropical regions, special protective treatment is applied to some products, which are available in the same ratings, performance, and dimensions as those of the standard products.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification	Type	B-TYPE	K-TYPE	A-TYPE
Rated insulation voltage (UI)		250V	500V	250V
Rated current-carrying capacity (Ith)		10A *	10A	5A
Max. wire size		8mm ²	5.5mm ²	2mm ²
Withstand voltage		1 min. at 2,500V AC		1 min. at 2,000V AC
Lightning impulse		±7kV 1.2 / 50 μs		±3kV 1.2 / 50 μs
Operating temperature		-5 to 40°C		
Insulation resistance		Insulation-resistance meter (1,000V DC) 1,000 MΩ		Insulation-resistance meter (500V DC) 1,000 MΩ
Overload capacity		1 sec. at 200 A AC		

* Operating current-carrying capacity as general terminal use: 30 A

HOW TO ORDER

[B-type test terminal]

B-PTT B MR

Basic type

Code	Structure / use
PTT	Single-contactor Structure
CTT	Dual-contactor Structure
C	Cover (Clear)
SV	Jumper
SB	
LB	

Code	Munsell color
4/1.5	7.5BG4/1.5
3/3.5	7.5BG3/3.5
R	7.5R4.5/14
Y	2.5Y8/12
B	N1.5

Code	Spec
(blank)	Standard
MR	Moisture resistance

[K-type test terminal]

K TT-A W 3-B M MR

Basic type

Test terminal

Code	Front cover
(blank)	Removal type
M	Slide type

Code	Spec
(blank)	Standard
MR	Moisture resistance

Code	Munsell color
4/1.5	7.5BG4/1.5
B	N1.5

Code	Spec
A	For current
V	For voltage

Code	Contactor structure
S	Single contactor (Only for voltage type)
W	Dual contactor

Code	Pole	Code	Pole
1	1 pole (*)	4	4 poles
2	2 poles	6	6 poles
3	3 poles	8	8 poles (*)

(*): Only for current type

[K-type test plug]

K TP-A 3 MR

Basic type

Code	Spec
(blank)	Standard
MR	Moisture resistance

Code	Structure at the contactor's top
TP	Short contactor
TQ	Long contactor

Code	Spec
A	For current
V	For voltage

Code	Pole	Code	Pole
1	1 pole (*)	4	4 poles
2	2 poles	6	6 poles
3	3 poles	8	8 poles (*)

(*): Only for current type

[A-type test terminal or plug]

A TT-A 3

Basic type

Code	Spec
TT	Test terminal
TP	Test plug
TQ	Test plug (screw-type)

Code	Spec
A	For current (Circuit opening prevention)
V	For voltage (Power source contact prevention)
VL	For voltage (Circuit opening prevention)

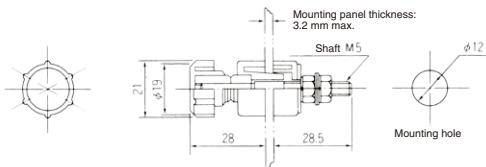
Code	Pole	Code	Pole
2	2 poles	6	6 poles
3	3 poles	8	8 poles
4	4 poles		



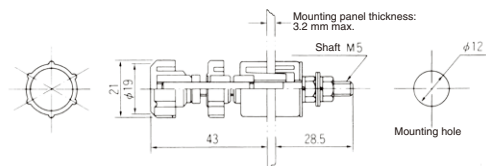
B-TYPE

STANDARD PRODUCTS

B-PTT



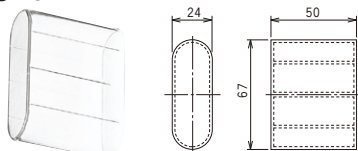
B-CTT



ACCESSORIES

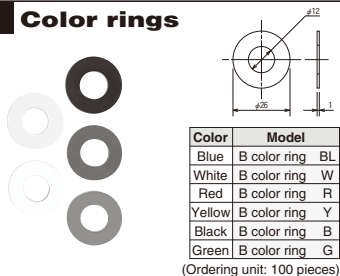
Protective cover (Front)

●B-C



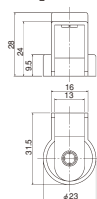
* B-C is applicable when test terminals are mounted at pitches of 40 mm.
If the B-LB short bar is mounted, B-C cannot be used.

Color rings



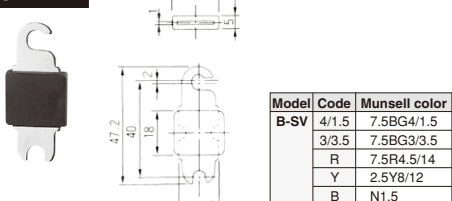
Protective cover (back)

●B-CVB

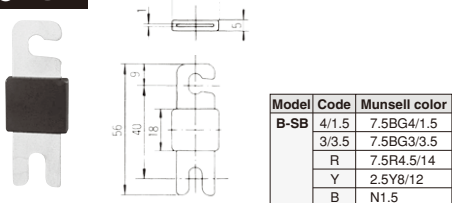


Jumper

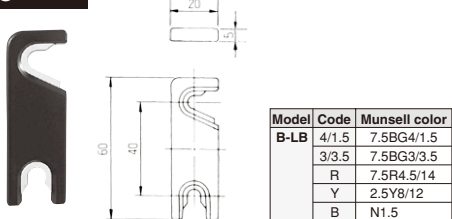
●B-SV



●B-SB

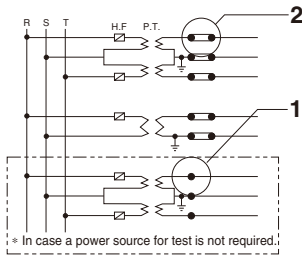


●B-LB

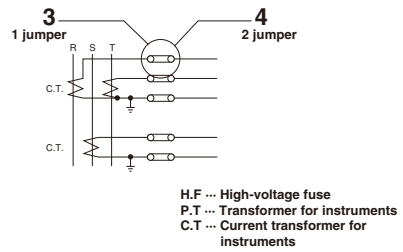


EXAMPLES OF CONNECTION

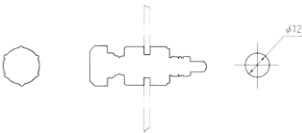
PTT



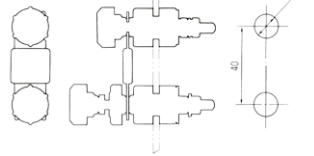
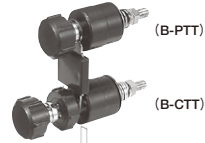
CTT



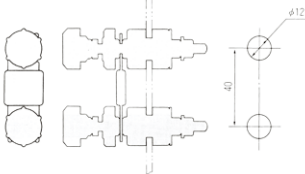
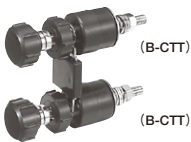
1



2



3



4

