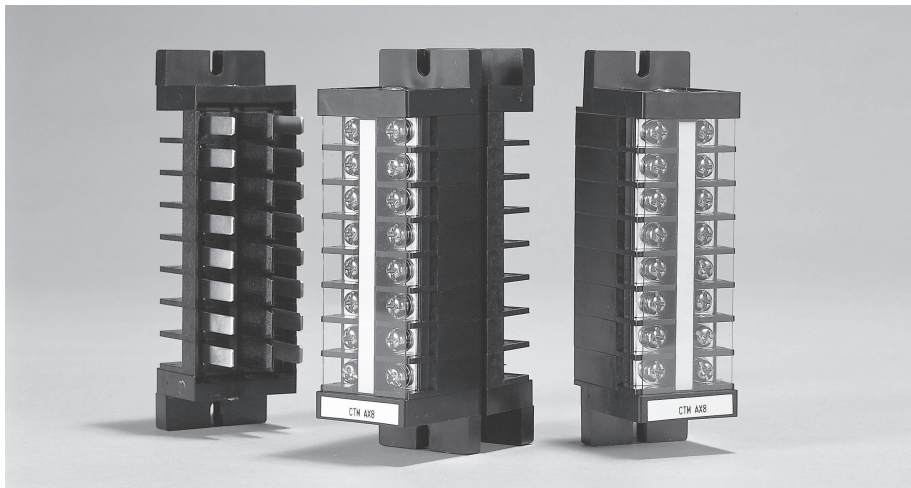




RECTANGULAR CONNECTOR

CTM-TYPE



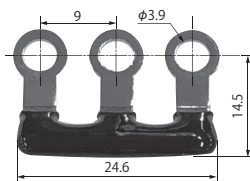
FEATURES

- For connection of CT circuit, this connector can be used for input transformer and current protection relay and so on.
- Although it's compact, adopts contacts with high reliability and maximum current-carrying capacity of 5A is also possible. The contact pressure of the contact part is high, and the insertion load is lightly designed.
- The plug and socket can only be inserted in a single direction to prevent any wrong insertion by the plug stopper.

New lineup of short bar for CTM type (for 3 pole)

- Applicable models: CTM / CTMH / CTMX (Socket)
- Only sold separately and not assembly.

●CTM-SB9RCB-3



SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification	Type	CTM	CTMH	CTMX
Rated insulation voltage (UI)			250V	
Rated current-carrying capacity (Ith)			5A	
Max. wire size			2mm ²	
Screw size			M3.5x7	
Power-Frequency withstand voltage		(Live part to assembly mounting panel) 2,000V AC / 1 min. / (Between live parts) 2,000V AC / 1 min.		
Rated impulse withstand voltage		(Between live parts and mounting panel) ±7kV / 3 times for each pole (1.2 / 50μs) (Between live parts) ±4.5kV / 3 times for each pole (1.2 / 50μs)		
Short-time current		200A 1 sec.		
Contact resistance		Between poles 10mΩ max. (initial value)		
Shock resistance		500 m/s ² (6 directions)		
Ambient operating temperature		-20 to 60°C		
Relative humidity		85% or less		
Altitude		2,000 m or less		

HOW TO ORDER

Plug side

CTM-S9

① Basic type

Code	Shape
CTM	Vertical angle(standard)
CTML	L-angle

③ No. of poles (max. 12 poles)

② Plug

Code	Shape
S	Standard plug
J	L-angle screw terminal

Applicable to both A and V type socket.

Socket side

CTM-A6V3

① Basic type

Code	Shape
CTM	Screw terminal
CTMH	Screw terminal with convex
CTMX	Up-screw terminal with convex

③ No. of poles (max. 12 poles)

② Socket

Code	Type
A	for current
V	for voltage

*For details, see below.

Plug and socket

CTM-SA6SV3

① Basic type

Code	Shape
CTM	Screw terminal
CTMH	Screw terminal with convex
CTMX	Up-screw terminal with convex

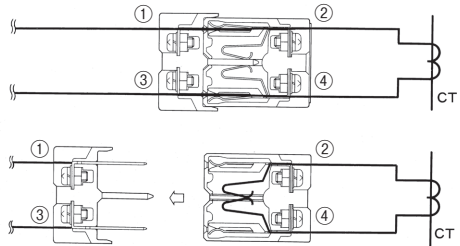
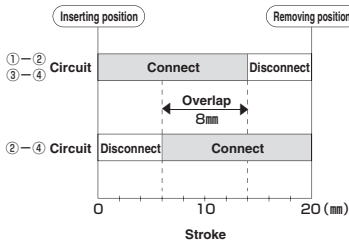
③ No. of poles

② Plug and socket

Code	Type
SA	for current (S plug)
SV	for voltage (S plug)
JA	for current (J plug)
JV	for voltage (J plug)

CT circuit

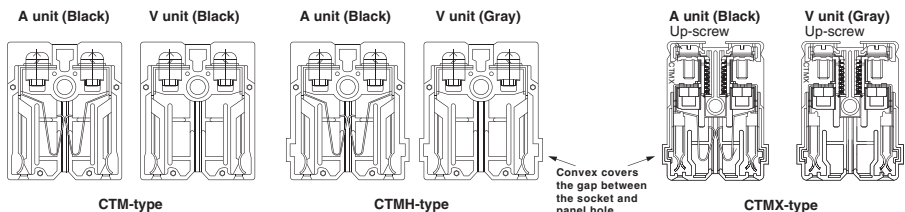
Since a contactor is incorporated inside (CTM-A type), each circuit is short-circuited during removing to prevent the CT circuit from opening.



Remark: The above stroke has tolerance of about 1 mm in standard value. Pay careful attention to this point for your design.

Differences between CTM and CTMH and CTMX

The shapes of the unit (socket side) between the CTM and CTMH types are different. The CTMH type uses different colors to visually discriminate between the current type (A type) and the voltage type (V type). The CTMX connector is the up-screw type which improves easy wiring.





RECTANGULAR CONNECTOR

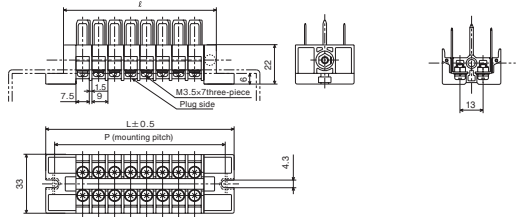
CTM-TYPE

STANDARD PRODUCTS

CTM-S No. of poles (Plug)



* Common plug for A type and V type.
(Applicable to CTM, CTMH, CTMX type)

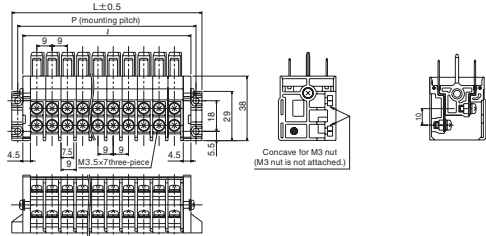


Pole	2	3	4	5	6	7	8	9	10	11	12
#	32	41	50	59	68	77	86	95	104	113	122
P	42	51	60	69	78	87	96	105	114	123	132
L	52	61	70	79	88	97	106	115	124	133	142

CTML-J No. of poles (Plug)



* Common plug for A type and V type.
(Applicable to CTM, CTMH, CTMX type)

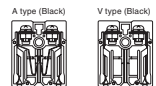
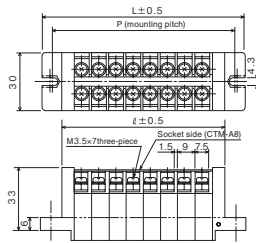


Pole	2	3	4	5	6	7	8	9	10	11	12
#	27	36	45	54	63	72	81	90	99	108	117
P	33	42	51	60	69	78	87	96	105	114	123
L	40	49	58	67	76	85	94	103	112	121	130

CTM-Type No. of poles (Socket)

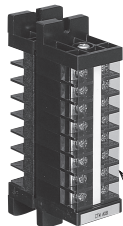


With cover

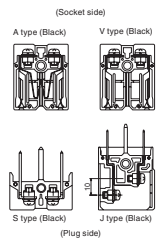
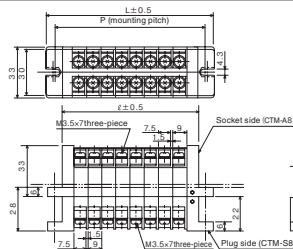


Pole	2	3	4	5	6	7	8	9	10	11	12
#	32	41	50	59	68	77	86	95	104	113	122
P	42	51	60	69	78	87	96	105	114	123	132
L	52	61	70	79	88	97	106	115	124	133	142

CTM-Type No. of poles (Plug, socket)



With cover

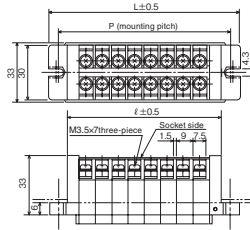


Pole	2	3	4	5	6	7	8	9	10	11	12
#	32	41	50	59	68	77	86	95	104	113	122
P	42	51	60	69	78	87	96	105	114	123	132
L	52	61	70	79	88	97	106	115	124	133	142

* For a combination of the A and V types
Example: CTM-SA4SV4

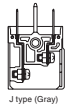
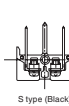
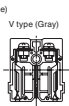
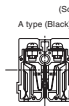
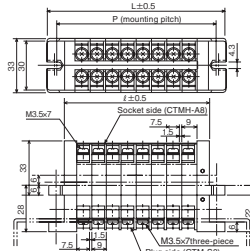
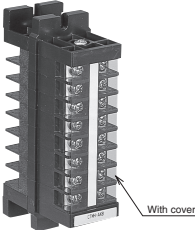
CONNECTING DEVICES

CTMH- Type No. of poles (Socket)



Pole	2	3	4	5	6	7	8	9	10	11	12
#	32	41	50	59	68	77	86	95	104	113	122
P	42	51	60	69	78	87	96	105	114	123	132
L	52	61	70	79	88	97	106	115	124	133	142

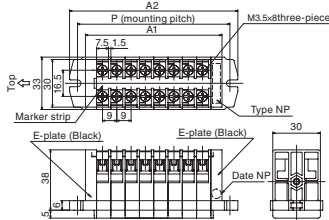
CTMH- Type No. of poles (Plug, socket)



Pole	2	3	4	5	6	7	8	9	10	11	12
#	32	41	50	59	68	77	86	95	104	113	122
P	42	51	60	69	78	87	96	105	114	123	132
L	52	61	70	79	88	97	106	115	124	133	142

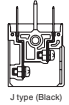
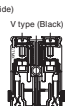
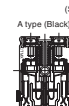
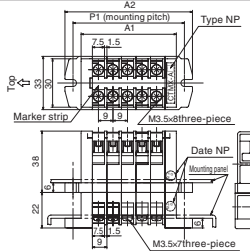
* For a combination of the A and V types
Example: CTM-SA4SV4

CTMX- Type No. of poles (socket)



Pole	2	3	4	5	6	7	8	9	10	11	12	13	16
A1	32	41	50	59	68	77	86	95	104	113	122	131	158
A2	52	61	70	79	88	97	106	115	124	133	142	151	179
P1	42	51	60	69	78	87	96	105	114	123	132	141	132

CTMX- Type No. of poles (Plug, socket)



Pole	2	3	4	5	6	7	8	9	10	11	12	13
A1	32	41	50	59	68	77	86	95	104	113	122	131
A2	52	61	70	79	88	97	106	115	124	133	142	151
P1	42	51	60	69	78	87	96	105	114	123	132	141