



# TCF-TYPE

## FEATURES

- The TCF type connector terminal blocks provide M4-size terminals that can connect 5.5 mm<sup>2</sup> wires.
- The wiring pattern can be changed by replacing the internal PCB.
- Quick mounting to DIN rails (Except for TCF-17)
- A variety of products: 17 poles, 24 poles, 36 poles and 50 poles

## SPECIFICATIONS (RATINGS, PERFORMANCE)

Specifications	Type	TCF-17H	TCF-17HA	TCF-24A to B	TCF-36A to D	TCF-50A
Rated insulation voltage (Ui)		250V AC / DC				
Rated current-carrying capacity (Ith)		1A	3A	1A	3A	1A
Withstand voltage	Between live parts	2,000V AC			1,250V AC	1,000V AC
	Between live parts and mounting panel	2,000V AC				
Insulation resistance		1,000 MΩ or more				
Max. wire size	Connector	3.18 pitch flat cable		2.0mm <sup>2</sup>	0.5mm <sup>2</sup>	0.3mm <sup>2</sup>
	Terminal block	5.5mm <sup>2</sup>				
Screw size		M4×8		M4×9		
Operating temperature		-10 to 40°C				
Relative humidity		85% max.				
No. of poles		17 poles		24 poles	36 poles	50 poles
Standard connector		HIF4B-34PA-3.18DS (HIROSE ELECTRIC CO., LTD.)		SMS-24RE-4	SDCB-37P (HIROSE ELECTRIC CO., LTD.)	DN20B-50S (HIROSE ELECTRIC CO., LTD.)
Applicable socket connector		—		SMS-24P-1	SDCB-37S (HIROSE ELECTRIC CO., LTD.)	DN_10-50P (HIROSE ELECTRIC CO., LTD.)
Max. applicable crimp terminal size		M4-5.5				

## HOW TO ORDER

See the product coding.

## Product coding

### TCF-17H

Basic type    No. of poles

Code	Rated current-carrying capacity
H	1A
HA	3A

\* The same connection diagram applies to both TCF-17H and TCF-17HA.

### TCF-36A

Basic type    No. of poles

Code	Specification
A	Connection diagram A
B	Connection diagram B
C	Connection diagram C
D	Connection diagram D

### TCF-24A

Basic type    No. of poles

Code	Specification
A	Connection diagram A
B	Connection diagram B

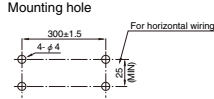
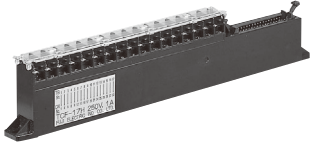
### TCF-50A

Basic type    No. of poles

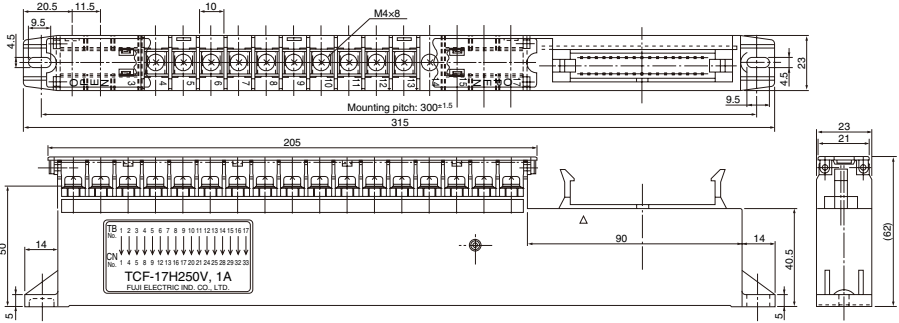
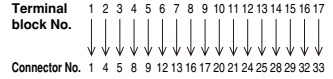
Code	Specification
A	Connection diagram

## STANDARD PRODUCTS

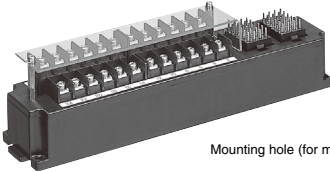
### TCF-17H (1A) TCF-17HA (3A)



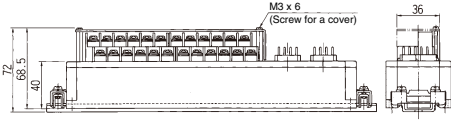
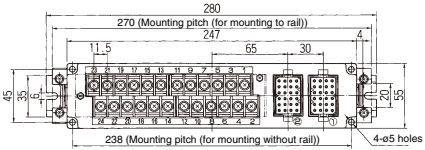
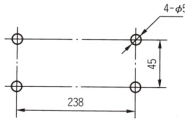
### ● Connection diagram



### TCF-24A to B

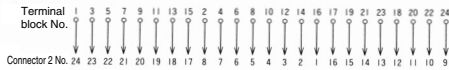


Mounting hole (for mounting without rail)

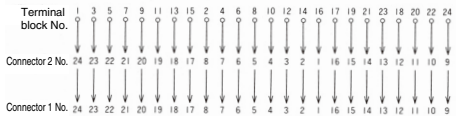


### ● Connection diagram

#### TCF-24A



#### TCF-24B

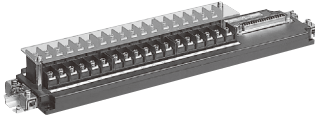




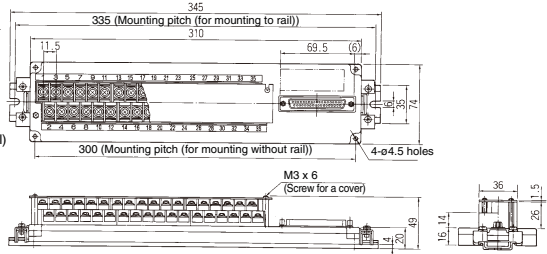
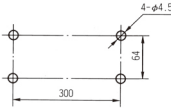
CONNECTOR TERMINAL BLOCK

# TCF-TYPE

## TCF-36A to D

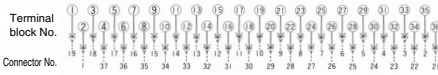


Mounting hole (for mounting without rail)

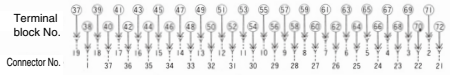


### ● Connection diagram

#### TCF-36A



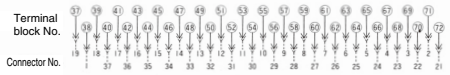
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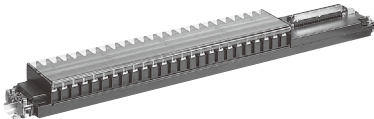
#### TCF-36C



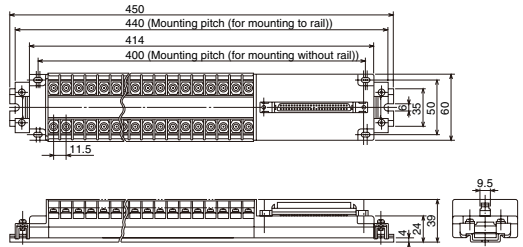
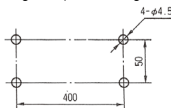
#### TCF-36D



## TCF-50A



Mounting hole (for mounting without rail)



### ● Connection diagram

