TW・TTW・TWM Series
Product Line-up/ Common Specifications/ Materials

Push-in terminal block (Rail-mount・Assembled)

Product Line-up

Product Category	Abstract	Insulation Voltage at the rated current Rated Currentcarrying C	Rated Currentcarrying Current	Max. Applicable wires	Wiring	Base Product Name	Rought Weight per 1 pole
Compact Type	• This type is designed with only the essential functions. • The wire outlet is angled in the cable direction to achieve maximum space saving. • Available in 10 A to 20 A models. • The body color is gray.	600V	10A	1.25mm² (AWG16)	1 to 1	TW10B	3g
			10A	1.25mm² (AWG16)	1 to 2	TW15B	4g
			10A	1.25mm² (AWG16)	2 to 2	TW16B	4g
			20A	2mm² (AWG14)	1 to 1	＊TW20B	5g
			20A	2mm² (AWG14)	1 to 2	＊TW25B	5g
			20A	2mm² (AWG14)	2 to 2	＊TW26B	6g
Common Unit Type	• Simply set the terminal units on the rail, and they will be electrically connected to the adjacent poles. • The inspection pin holes provided on the end plate allow easy continuity checking.	600V	10A	1.25mm² (AWG16)	2 to 2	TW16BC	4g
			20A	2mm² (AWG14)	2 to 2	TW26BC	6g
Standard Type	• This type emphasizes ease of use while maintaining a compact design, such as by unifying the wire outlet direction. • Up to two shorting bars can be inserted per pole, making it convenient for common connections. • The body color is gray. • A two-tier type is also available, ideal for saving installation space.	600V	10A	1.25mm² (AWG16)	1 to 2	TW15D	5g
			10A	1.25mm² (AWG16)	2 to 2	TW16D	6g
			20A	2mm² (AWG14)	1 to 2	TW25D	9g
			20A	2mm² (AWG14)	2 to 2	TW26D	11g
			20A	2mm² (AWG14)	1 to 1×2	TTW20D	14g
PE Type	• This is a standard type PE terminal block. It is grounded through the rail. • The body color is green and yellow marbled.	600V	—	2mm² (AWG14)	1 to 2	TW25DE	13g
			—	2mm² (AWG14)	2 to 2	TW26DE	15g

※ For products with＊mark, assembled types are also available.

Common Specifications

Operational Ambience Temperature Range	−25～+55℃ (without Freezing nor Dew condensation)
Relative Humidity	45～85%RH
Temperature Rise	Max. 45℃ of temperature rise at conducting metals
Insulating Resistance	Between each live part and between each live part and the mounting metal plate: Min. 100 MΩ
Impluse Withstanding Voltage	600V Type……6000V
Applied Standards	JIS C8201-7-1、EN/IEC60947-7-1、 JIS C8201-7-2、EN/IEC60947-7-2、 UL1059

Materials

Name	Materials	Flame retardance grade
Base part	66 Polyamide[Note]	UL94V−0
End Plate	66 Polyamide[Note]	UL94V−0
Button	PBT ((with 30% glass)	UL94V−0
Spring	Stainless Steel	—
Conductive Plate	Zinc-plated Copper	—
Seal for Legends	PP, Fiber. PVC	—

Note: Standard Color->Gray (Excluding TW16BC, TW26BC, TW25DE. TW26DE)

Ratings Compliant to Overseas Standards

■Ratings of Terminal Blocks used as c-UL-us or EN/IEC complicant products

TW, TTW series Terminal Blocks are UL compliant and EN/ICE compliant certified by TÜV. Their ratings used as UL- and EN/ICE-compliant products are as shown in the table below:

File No.：E114903

License No.：R50012082

Product Category		Basic Product Name	Rated Voltage (V)	CE(EN/IEC60947-7-1, EN/IEC60947-7-2) Values in [ ] are when ferrules are used			UL(UL1059) Values in [ ] are when ferrules are used			
				Applicable wires		Max. Current Ratings (A)	Applicable wires		FW[Note]	Max. Current Ratings (A)
				Single wire(AWG)	Stranded wire(AWG		Single wire(AWG)	Stranded wire(AWG		
Compact Type	1対1	TW10B	600	28～18	28～16 [28～20]	10 (Single wire) 16 (Stranded wire) [8]	28～18	28～16 [28～20]	2 [1]	77 (Single wire) 14 (Stranded wire) [9]
	1対2	TW15B								
	2対2	TW16B								
	1対1	TW (M) 20B	600	22～14	22～14 [22～16]	22 [16]	22～14	22～14 [22～16]	2 [1]	16 [14]
	1対2	TW (M) 25B								
	2対2	TW (M) 26B								
Common Unit Type	2対2	TW16BC	600	28～18	28～16 [28～20]	10 (Single wire) 16 (Stranded wire) [8]	28～18	28～16 [28～20]	2 [1]	7 (Single wire) 16 (Stranded wire) [9]
	2対2	TW26BC	600	22～14	22～14 [22～16]	22 [16]	22～14	22～14 [22～16]	2 [1]	22 [16]
Standard Type	1対2	TW15D	600	28～16	28～16 [28～20]	10 [8]	28～16	28～16 [28～20]	2 [1]	10 [5]
	2対2	TW16D								
	1対2	TW25D	600	22～14	22～14 [22～16]	22 [16]	22～14	22～14 [22～16]	2 [1]	16 [14]
	2対2	TW26D								
	1対1×2	TTW20D	600	22～14	22～14 [22～16]	22 [16]	22～14	22～14 [22～16]	2 [1]	15 [10]
PE Type	1対2	TW25DE	600	22～14	22～14 [22～16]	—	22～14	22～14 [22～16]	2 [1]	—
	2対2	TW26DE	600	22～14	22～14 [22～16]	—	22～14	22～14 [22～16]	2 [1]	—

Note FW1: Wirings at factory, FW2:Wirings at factory and in-field