

OTAX

KASUGA Terminal Block

Data Sheet

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OTAX Co., Ltd.
1215, Nippacho, Kohoku-ward, Yokohama,
Kanagawa, 223-8558 Japan
TEL:+81-45-543-5621 (Representative)
Home Page : <https://www.otax-en.com/>



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Precautions for Using Industrial Terminal Blocks

Safety Precautions

To prevent injury to yourself or others, as well as damage to property, please follow the safety instructions below.

◆ The degree of possible harm or damage resulting from improper use is classified and explained as follows:



Warning : Indicates the risk of death or serious injury if the product is used incorrectly.



Caution : Indicates the risk of minor injury or physical damage if the product is used incorrectly.

Warning	* Installation and wiring should be carried out only by qualified personnel. Improper work may cause fire or mechanical failure. * Always make sure that the power is turned off before performing any work. Electric shock may occur. * Do not work with wet hands. There is a risk of electric shock or equipment failure. * Tighten screws to the torque values specified in our catalog. Failure to do so may result in smoke, fire, electric shock, or damage. * Do not use the product for purposes other than its intended use. * Do not touch terminal parts while the product is energized. Electric shock may occur. * Use only within the specified ratings. Exceeding specifications may cause fire or electric shock. * Do not use deformed or damaged products. Electric shock or burning may occur. * Do not use the product when condensation is present. Electric shock or malfunction may occur. * If abnormal heat, smoke, or odor is detected, stop using the product immediately and identify the cause. Replace the product if discoloration, deformation, or other faults are found. * Depending on the frequency and environment of use, product life may vary. Even before the recommended 10-year replacement period, deterioration of insulation or contact failure may cause smoke, fire, or electric shock. In addition, aging of resin or metal parts may cause deformation or breakage. Replace the product as needed to ensure preventive maintenance of your equipment.
Caution	* Do not use the product in locations exposed to water, dust, or oil mist. * Do not use in areas where corrosive gases are present. * Do not install in locations exposed to direct sunlight or high temperatures. * Installation locations must meet the following conditions: • Low vibration • Sufficient mechanical strength • Flat mounting surface
Notes	- Do not modify the product. - Do not disassemble any parts other than those designed for removal. - Use only accessories specified for each model. - Do not clean with thinner, benzene, gasoline, oil, or chemicals. - Clean the product regularly to prevent dust accumulation. - Periodically check for loosening of mounting screws and wiring connections. In environments subject to vibration or shock, loose mounting may lead to product detachment, damage, or personal injury. - Under wiring conditions involving a large number of poles or heavy wires, ensure that the wiring is properly supported and secured so that the weight of the wires and any external forces are not applied directly to the terminal block. Terminal blocks are designed for the electrical connection of wires and are not intended to support the weight of wires or withstand tensile loads. Depending on the installation conditions, external forces may place stress on the terminal sections and adversely affect the contact performance.

〈For Push-in Terminal Blocks〉

Caution	* Do not route or secure wires in a way that transmits vibration to the terminal. Smoke, fire, electric shock, or damage may occur. * Strip wires to the specified length and do not solder-tin the wire ends. Failure to comply may result in smoke, fire, electric shock, or damage.
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〈For Screw-type Terminal Blocks〉

Caution	* Always use a terminal cover.
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Maintenance and Inspection Precautions

Warning	* Retighten terminal screws periodically. Failure to do so may cause smoke, fire, electric shock, or damage.
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Tightening Torque (for Wiring Connections)

Caution	Tighten terminal screws to the following torque values when connecting wires: M3: $0.8^{+0.1}_{-0.2}$ N·m, M3.5: $1.2^{+0.1}_{-0.2}$ N·m, M4: 1.6 ± 0.2 N·m, M5: 2.5 ± 0.3 N·m, M6: 4.5 ± 0.5 N·m, M8: 9 ± 1 N·m, M10: 18^{+2}_{-3} N·m, M12: 30 ± 5 N·m, M16: 80 ± 10 N·m.
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Tightening Torque (for Mounting the Product)

Caution	When mounting the product, tighten screws to the following torque values: * M4: 1.6 ± 0.2 N·m M5: 2.5 ± 0.3 N·m M6: 4.5 ± 0.5 N·m M8: 9 ± 1 N·m * For tapping screws: tighten until there is no gap between the screw and the product.
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Terminal Block Technical Documents

Current-Carrying Capacity When Using Heat-Resistant Wires (HIV Wires)

The current-carrying capacity when using heat-resistant wires (HIV wires) is as shown below. * Based on the terminal block standard JIS C 8201-7-1, the listed current-carrying values correspond to a temperature rise of 40 K or less (each standard specifies a limit of 45 K or below).

The List of Current-Carrying Capacities of Terminal Blocks when using Heat-resistant Wires (HIV Wires)

Product Name		Wire Size (mm ²)	Current Ratings (A)	Current-Carrying Capacities when using Heatresistant Wires (A)
TX7	TXM7	1.25	15	18
TX10SM3	TXM10SM3	1.25	15	18
TX10S	TXM10S	2	20	25
TX10	TXM10	2	20	25
TX20	TXM20	5.5	40	45
TX30	TXM30	8	50	54
TX50	TXM50	14	80	82
TX60	TXM60	22	90	100
TX100	TXM100	38	130	159
TX150	TXM150	60	175	230
TX200	TXM200	100	240	315
TX300	TXM300	150	310	425
TX400	TXM400	200 (150×2)	400 (500)	505 (785)
TX600N	TXM600N	325	600	700
TXU7	TXUM7	1.25	15	18
TXU10SM3	TXUM10SM3	1.25	15	18
TXU10S	TXUM10S	2	20	25
TXU10	TXUM10	2	20	25
TXU20	TXUM20	5.5	40	45
TXU30	TXUM30	8	50	54
TXU50	TXUM50	14	80	82
TXU60	TXUM60	22	90	100
TXU100	TXUM100	38	130	159
TFP15	TFPM15	1.25	15	19
TFP20	TFPM20	2	20	26
TFP40	TFPM40	5.5	40	48
TFP80	TFPM80	14	80	80
TQB60D		22	90	120
TQB100D		60	175	250
TQB200D		150	310	350
TQB400D		200	440	500

Terminal Block Technical Documents

Conversion Chart of Wires (AWG ⇔ mm²)

The following table shows the conversion between AWG (American Wire Gauge) and wire diameter and cross-sectional area (mm²). AWG is a standard for conductor sizes commonly used in the United States. In this system, a solid wire with a diameter of 0.0050 inches corresponds to 36 AWG, and a wire with a diameter of 0.4600 inches corresponds to 4/0 AWG. The sizes between these are arranged in a geometric progression. As the AWG number increases, the wire becomes thinner. Sizes larger than 0 AWG are expressed as 2/0, 3/0, 4/0, and so on, where 3/0 means "000."

AWG	Φ	mm ²
28	0.3211	0.08097
27	0.3606	0.1021
26	0.4049	0.1288
25	0.4547	0.1623
24	0.5106	0.2047
23	0.5733	0.2581
22	0.6439	0.3256
21	0.7229	0.4105
20	0.8118	0.5174
19	0.9116	0.6529
18	1.024	0.8226

AWG	Φ	mm ²
17	1.15	1.037
16	1.291	1.309
15	1.45	1.65
14	1.628	2.081
13	1.828	2.624
12	2.053	3.309
11	2.305	4.172
10	2.588	5.262
9	2.906	6.632
8	3.264	8.368
7	3.665	10.55

AWG	Φ	mm ²
6	4.115	13.3
5	4.621	16.77
4	5.189	21.15
3	5.827	26.66
2	6.544	33.63
1	7.348	42.41
0	8.252	53.49
2/0	9.266	67.42
3/0	10.404	85.03
4/0	11.684	107.2

Conversion Chart of Wires (ISO wires ⇔ UL wires)

The blow chart is an excerpt of "IEC60947-7-1 Table 1"

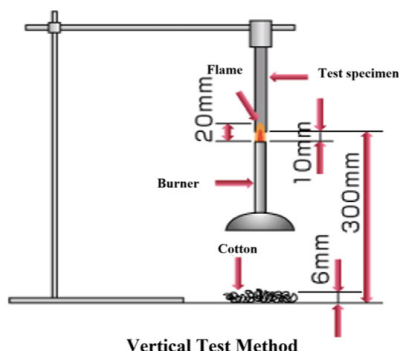
Meter Size ISO mm ²	Composision between AWG/kcmil and Meter Size Cross-Section Area	
	Size AWG/kcmil	Ea mm ²
0.2	24	0.205
0.34	22	0.324
0.5	20	0.519
0.75	18	0.82
1	—	—
1.5	16	1.3
2.5	14	2.1
4	12	3.3

Meter Size ISO mm ²	Composision between AWG/kcmil and Meter Size Cross-Section Area	
	Size AWG/kcmil	Ea mm ²
6	10	5.3
10	8	8.4
16	6	13.3
25	4	21.2
35	2	33.6
50	0	53.5
70	00	67.4
95	000	85

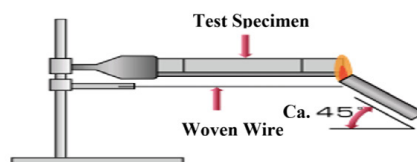
Meter Size ISO mm ²	Composision between AWG/kcmil and Meter Size Cross-Section Area	
	Size AWG/kcmil	Ea mm ²
—	0000	107.2
120	250 kcmil	127
150	300 kcmil	152
185	350 kcmil	177
240	500 kcmil	253
300	600 kcmil	304

UL Flame-retardant Specifications

In our industrial terminal blocks, flame-retardant properties of the used resin are indicated by the grades specified by UL standards. The explanation of the test methods and each flame-retardant grade are as shown below.



Vertical Test Method

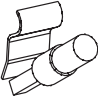
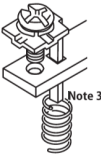
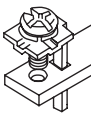
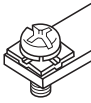
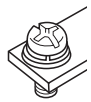
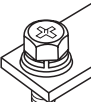
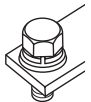
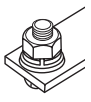
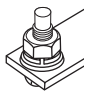


Horizontal Test Method

UL flame-retardant Grade	Decision Criteria of Flame-retardand Test	Time of Burn Allowed	Test Method
UL94HB	Burning stops within the specified seconds, or Burning stops before it reaches the line drawn at 102mm from the edge.	-	Horizontal Burning Test
UL94V-2	Burning stops within 30 seconds on a part allowing for drops of vertical flammable plastic	Within 30sec (Polyamide)	Vertical Burning Test
UL94V-1	Burning stops within 30 seconds on a vertical part allowing for drops of plastic that are not inflame	(Average: Within 25 sec)	
UL94V-0	Burning stops within 10 seconds on a vertical part allowing for drops of plastic that are not inflame	Within 10 sec (PPS) (Average: Within 5 sec.)	Vertical Burning Test

Note: Total Flame Application shall be 10 sec. by 2 times per a specimen, and for 5 specimens.

Terminal Structure Overview

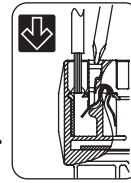
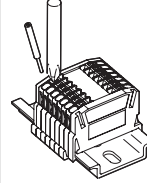
Terminal Structure Diagram	Catalog Description	Overview
	Push-in	Wiring can be completed simply by inserting the wire (Note 1). Because the spring pressure of the plate spring is constantly applied, there is no need for retightening as with screw terminals, resulting in a maintenance-free connection. In addition, the terminal is equipped with a short-bar insertion port, allowing the creation of common connections and continuity checks while the wire remains inserted.
	Spring-loaded Screw Terminal	This is a fall-prevention structure where the screw rises and is held in place when loosened, making it ideal for efficient wiring work. It also features a *touch-lock* (temporary hold) function (Note 2, 4), which greatly reduces wiring time when using round crimp terminals. When the screw size is M8, the screw type is a ⊕ Combination Head Hex Bolt.
	Captive Screw with Touch-lock Function	Even when the screw is loosened, it cannot be lost thanks to the captive design. It also features a touch-lock (temporary hold) function (Note 2, 4), significantly reducing wiring time when using round crimp terminals.
	Standard Screw	A standard screw-type terminal. Equipped with a wire clamp, it can securely connect bare wires without using crimp terminals.
	Standard Screw with Round Washer	A Standard Screw type equipped with a round washer. Designed exclusively for use with crimp terminals
	Combination Head ⊕ Hex Bolt	A Standard Screw type with a hex bolt that also supports a Phillips screwdriver. For frames with screw sizes M8 or M10, combination head hex bolts are used.
	Hex Bolt	A Standard Screw type with a hex bolt. For frames with screw sizes M12, hex bolts are used.
	Stud	A type that is tightened with a hex nut. Round crimp terminals can be hooked on for easy wiring work.
	Stud with Guide	A type that is tightened with a hex nut. A guide part is provided at the tip of the bolt to make it easier to attach or remove the hex nut.

Notes

1. For solid wires and wires with ferrules, simply insert the wire. For stranded or ultra-fine single wires, press the release button while inserting.
2. The touch-lock function is not available for the TFP, TTFP series, or TXU7.
3. The spring shape shown is for reference only and may differ from the actual product.
4. The terminal may enter the touch-lock position due to shock during transport.

■ Push-in Terminal Overview

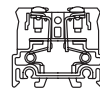
Wiring Connection



While pressing the button with a Phillips screwdriver, insert the wire. Releasing the button completes the connection.

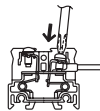
■ Spring-loaded Function

① Wiring Connection



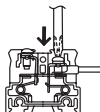
Since the screw rises and is held in position, round crimp terminals can be attached immediately.

② Temporary Hold Function (Note4)



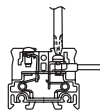
By pressing the screw diagonally, it catches on a projection, allowing the crimp terminal to be temporarily held in place.

③ Final Tightening



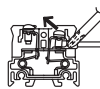
Tighten vertically with a screwdriver for the final secure connection.

④ Wire Removal



When the screw is loosened, it rises and is retained, preventing loss of the screw.

⑤ Removing from Temporary Hold



To remove the round crimp terminal from the temporary hold position, push the screw in the direction of the arrow with a screwdriver.

Screw Terminal Block (Assembled)



T/ TC Series

Product Line-up/ Common Specifications/ Materials

Screw terminal block (Assembled)

Screw terminal block (Assembled)

■ T-TC Assembled Terminal block

These terminal blocks are preassembled with a specified number of poles. With finely segmented frame sizes and a wide range of standard pole counts available, they allow for economical selection. All models come with a cover and a seal for legend. (Covers for TC300B, TC450B, and TC600B are sold separately.)

Ratings Dielectric strength voltage	Ratings Note1	Terminal screw Note2	Poles	Basic Type Name	Cover/ Seal for legends
250V	2mm ² [20A]	M3.5×8 ⊕ Standard Screw	2~30P	T10	Attached
	5.5mm ² [40A]	M4×10 ⊕ Standard Screw	2~30P	T20C	
600V	8mm ² [50A]	M5×12 ⊕ Standard Screw	2~20P	T30C	
	14mm ² [70A]	M5×10 ⊕ Standard screw with round washer	2~10P	TC60C	
	38mm ² [130A]	M8×14 ⊕ Hex Bolt	2~10P	TC100C	
	100mm ² [240A]	M10×20 ⊕ Hex Bolt	2~10P	TC200C	
	150mm ² [310A]	M10×25 Stud	1P	TC300B	Cover is sold separately.
	80mm ² ×2 [400A]				
	200mm ² [400A]	M12×35 Stud	1P	TC450B	Cover is sold separately.
	150mm ² ×2 [500A]				
	325mm ² [520A]	M16×40 Stud	1P	TC600B	Cover is sold separately.
	200mm ² ×2 [650A]				

Note 1: Ratings are recommended values with usage in compliance to JIS standards.

Note2: As for the Symbols in Terminal screw columns, TC100C TC200C TC300B TC450B TC600B ⊕ is plus/minus screw while ⊕ is plus screw.

Common Specifications

Operational Ambience Temperature Range	−25~+55°C (Withoug Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
ImpulseWithstanding Voltage	Product with Ratings 250V: 2000V 1 Min. Product with Ratings 600V: 2500V 1 Min.
ImpulseWithstanding Voltage	Product with Ratings 250V: 4000V Product with Ratings 600V: 6000V
Conformed Standards	JIS C8201-7-1 Note1, NECA C2811 (JIS C2811) Note2

Note 1: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 2: NECA C2811 is a standard conforming to the contents of JIS C2811.

Materials

Name	Materials	Flame retardance grade
Terminal Base	Phenolic Resin (Black)	UL94HB
Terminal Screw	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Steel (Zinc plated Chromate Treatment)	—
Seal for legends	Fiber YUPO (PP synthetic paper)	—
Cover	Polycarbonate	UL94V-2

Screw Assembled
Terminal Block

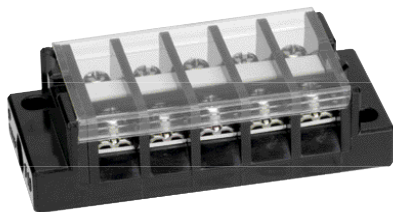
T
Series

20A
0.75, 1.25, 2 mm²
With Cover and Seal for Legend

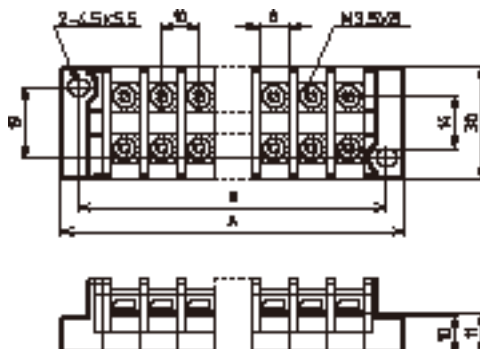
250V
M3.5
RoHS 10

2 - 30 Poles
Standard Screw

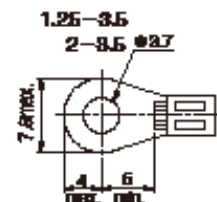
T10



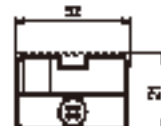
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	250V
Applicable wires	0.75mm ² —10A
Maximum current (In case of crimping connection)	1.25mm ² —15A 2mm ² —20A
Terminal screw	M3.5×8 ± Standard screw
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94HB

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	● T1002	42	32	30g
3	● T1003	52	42	40g
4	● T1004	62	52	50g
5	● T1005	72	62	55g
6	● T1006	82	72	65g
8	● T1008	102	92	85g
10	● T1010	122	112	100g
12	● T1012	142	132	120g
14	● T1014	162	152	135g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
15	● T1015	172	162	145g
16	● T1016	182	172	155g
18	● T1018	202	192	175g
20	● T1020	222	212	190g
22	● T1022	242	232	210g
24	● T1024	262	252	225g
25	● T1025	272	262	235g
30	● T1030	322	312	280g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	10mm	Coatingless	20A	6	● TJ163A	3.5g	10 pcs
		With Coating			● TJ163B	4g	10 pcs
		Coatingless (Bending)			● TJ163C	3.5g	10 pcs

Cover (For Repair)

Product Name
TTB15(L)

Seal for Legend (For Repair)

Product Name Dim	Dimensions (mm)		Material	L	Rough Weight
	A	W			
T10KIMEISEAL	5.5	Plain	Fiber (Thickness: 1mm)	1m	6.8g

Terminal Screw

Product Name	Lot for Sales
● T10TANSHINEJI	100個

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

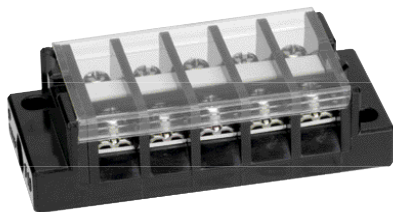
T
Series

30A
1.25, 2, 3.5, 5.5 mm²
With Cover and Seal for Legend

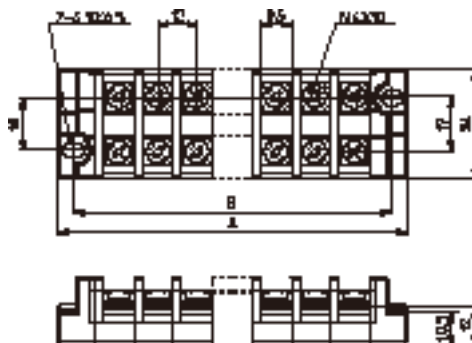
250V
M4
RoHS 10

2 - 30 Poles
Standard Screw

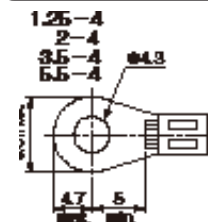
T20C



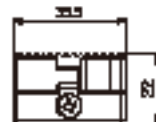
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



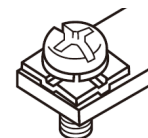
Specifications

Dielectric strength voltage	250V
Applicable wires	1.25mm ² —15A
Maximum current	2mm ² —20A
(In case of crimping connection)	3.5mm ² —30A 5.5mm ² —40A
Terminal screw	M4×10 (Standard screw)
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94HB

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	● T20C02	47	37	45g
3	● T20C03	59	49	55g
4	● T20C04	71	61	70g
6	● T20C06	95	85	95g
8	● T20C08	119	109	125g
10	● T20C10	143	133	150g
12	● T20C12	167	157	180g
14	● T20C14	191	181	205g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
15	● T20C15	203	193	220g
16	● T20C16	215	205	230g
18	● T20C18	239	229	260g
20	● T20C20	263	253	285g
22	● T20C22	287	277	310g
24	● T20C24	311	301	340g
25	● T20C25	323	313	350g
30	● T20C30	383	373	420g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.



Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	12mm	Coatingless	30A	6	● TJ263A	5g	10 pcs
		With Coating			● TJ263B	6g	10 pcs
		Coatingless (Bending)			● TJ263C	5g	10 pcs

Cover (For Repair)

Product Name
T20COVER

Seal for Legend (For Repair)

Product Name Dim	Dimensions (mm)		Material	L	Rough Weight
	A	W			
T20KIMEISEAL	6.5	Plain	Fiber (T=1mm)	1m	8.1g

Terminal Screw

Product Name	Lot for Sales
T20TANSHINEJI	100 pcs

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T
Series

50A

3.5, 5.5, 8 mm²

With Cover and Seal for Legend

600V

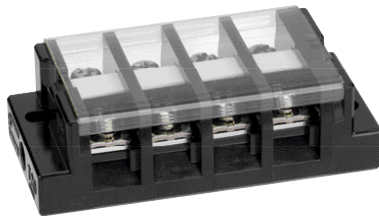
M5

RoHS 10

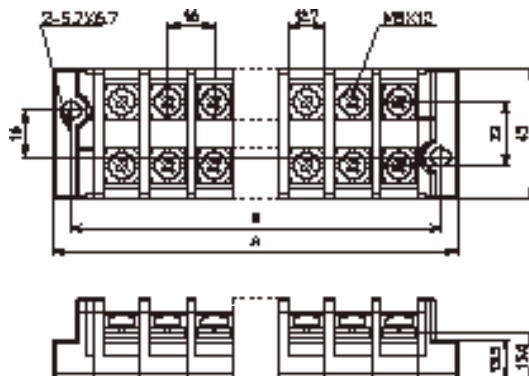
2 - 20 Poles

Standard Screw

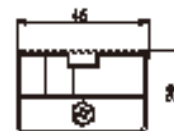
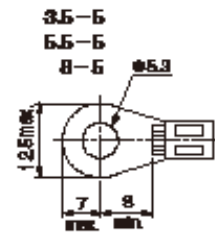
T30C



Appearance diagram (Unit:mm)



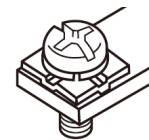
Applicable crimping terminals



Specifications

Dielectric strength voltage	600V
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A
Terminal screw	M5×12± Standard screw
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94HB

Standard Screw



Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	● T30C02	60	48	90g
3	● T30C03	76	64	115g
4	● T30C04	92	80	145g
6	● T30C06	124	112	200g
8	● T30C08	156	144	260g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
10	● T30C10	188	176	315g
12	● T30C12	220	208	370g
15	● T30C15	268	256	455g
18	● T30C18	316	304	540g
20	● T30C20	348	336	600g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	50A	2	● JTJ302B	7g	10 pcs

Cover (For Repair)

Product Name
T30B

Seal for Legend (For Repair)

Product Name Dim	Dimensions (mm)		Material	L	Rough Weight
	A	W			
T30KIMEISEAL	9.5	Plain	Fiber (T=1mm)	1m	12.2g

Terminal Screw

Product Name	Lot for Sales
T30TANSHINEJI	20 pcs

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TC
Series

70A

5.5, 8, 14 mm²

With Cover and Seal for Legend

600V

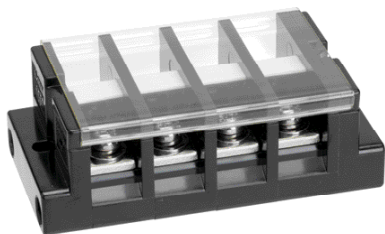
M5

RoHS 10

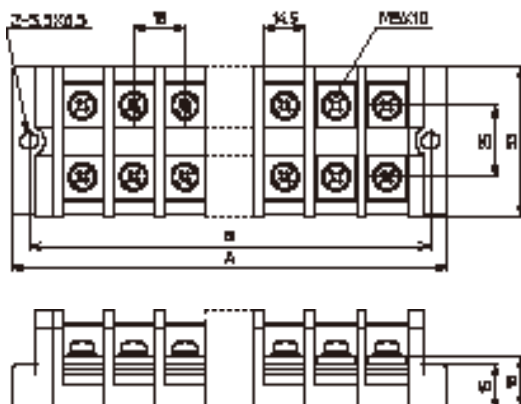
2 - 10 Poles

Standard Screw with Round Washer

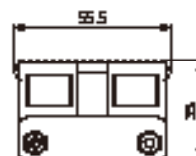
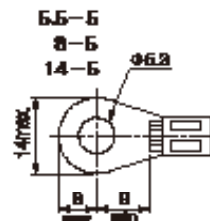
TC60C



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Dielectric strength voltage	600V
Applicable wires	5.5mm ² —40A
Maximum current (In case of crimping connection)	8mm ² —50A 14mm ² —70A
Terminal screw	M5×10 ± Standard screw with round washer
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94HB

Standard Screw



Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	● TC60C02	64	52	125g
3	● TC60C03	82	70	170g
4	● TC60C04	100	88	210g
5	● TC60C05	118	106	250g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
6	● TC60C06	136	124	290g
8	● TC60C08	172	160	370g
9	● TC60C09	190	178	410g
10	● TC60C10	208	196	510g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

- Material: Copper ●Surface Treatment: Nickel Plating
- Insulation Coating: chloroethene : Vinyl Chloride

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	19mm	With Coating (Bending)	90A	2	● JTJ602B	15g	10 pcs

Cover (For Repair)

Product Name
TRB6

Seal for Legend (For Repair)

Product Name Dim	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TC60KIMEISEAL	9.5	Plain	Fiber (T=1mm)	1m	12.2g

Terminal Screw

Product Name	Lot for Sales
● TC60TANSHINEJI	20 pcs

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TC
Series

130A

22, (30), 38, (50) mm²

With Cover and Seal for Legend

600V

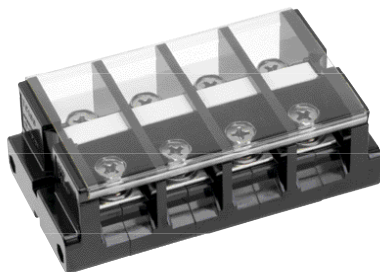
M8

RoHS 10

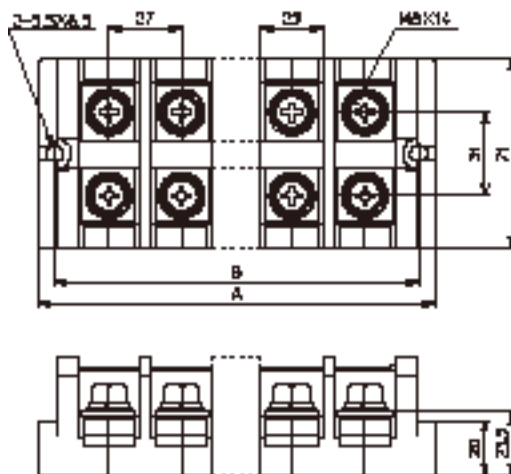
2 - 10 Poles

⊕ Hex Bolt

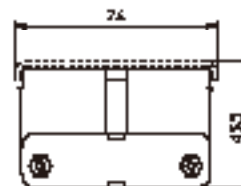
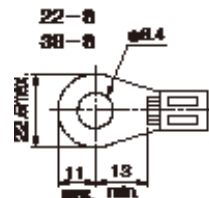
TC100C



Appearance diagram (Unit:mm)



Applicable cramping terminals



Specifications

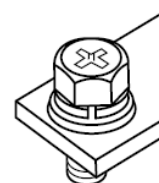
Dielectric strength voltage	600V
Applicable wires	22mm ² —90A
Maximum current	(30mm ² —110A)
(In case of crimping connection)	38mm ² —130A (50mm ² —130A)
Terminal screw	M8×14 ⊕ Hex bolt
Tightening torque	8~10N·m
Flame retardance grade	UL94HB

⊕ Hex Bolt

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	TC100C02	79	67	290g
3	TC100C03	106	94	380g
4	TC100C04	133	121	470g
6	TC100C06	187	175	650g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
8	TC100C08	241	229	830g
9	TC100C09	268	256	920g
10	TC100C10	295	283	1010g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.



■ Applicable Accessories

Short Bar

- Material: Copper ●Surface Treatment: Nickel Plating
- Insulation Coating: chloroethene : Vinyl Chloride

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	26mm	With Coating (Bending)	130A	2	TC1002B	34g	10 pcs

Cover (For Repair)

Product Name
TRB10N

Terminal Screw

Product Name	Lot for Sales
TC100TANSHINEJI	1 pc

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.



Screw Assembled
Terminal Block

TC
Series

240A

60, (80), 100 mm²

With Cover and Seal for Legend

600V

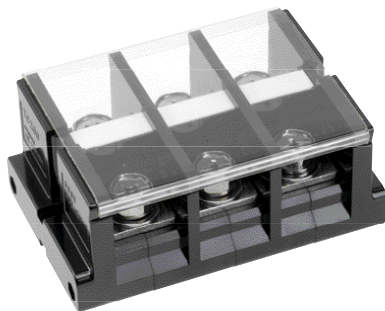
M10

RoHS 10

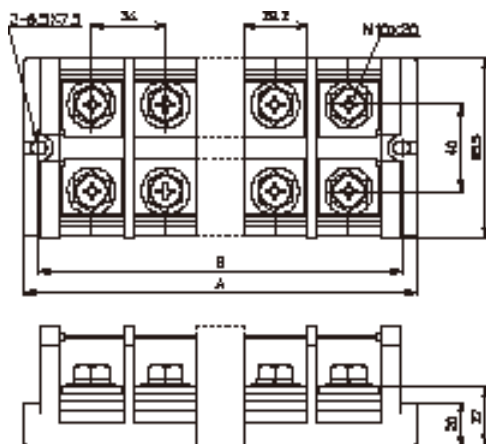
2 - 4, 6, 9, 10 Poles

⊕ Hex Bolt

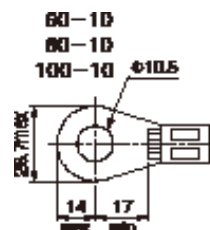
TC200C



Appearance diagram (Unit:mm)



Applicable cramping terminals



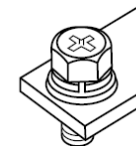
Specifications

Dielectric strength voltage	600V
Applicable wires	60mm ² —175A
Maximum current (In case of crimping connection)	(80mm ² —210A) 100mm ² —240A
Terminal screw	M10×20 ⊕ Hex bolt
Tightening torque	15~20N·m
Flame retardance grade	UL94HB

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	● TC200C02	96	83	525g
3	● TC200C03	130	117	700g
4	● TC200C04	164	151	875g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
6	● TC200C06	232	219	1225g
9	● TC200C09	334	321	1735g
10	● TC200C10	368	355	1920g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.



⊕ Hex Bolt

■ Applicable Accessories

Cover (For Repair)

Product Name
TRB20N

Terminal Screw

Product Name	Lot for Sales
● TC200TANSHINEJI	1 pc

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TC
Series

310A

80, 100, 125, 150 mm²

Cover is an Option

600V

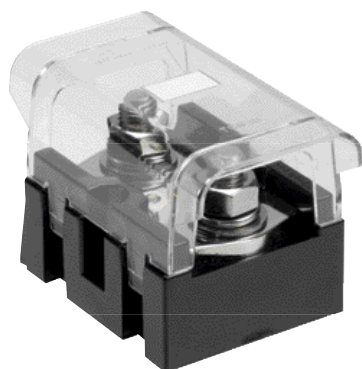
M10

RoHS 10

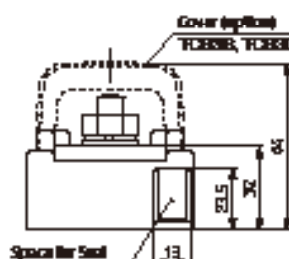
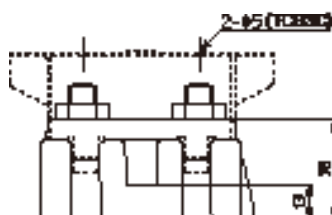
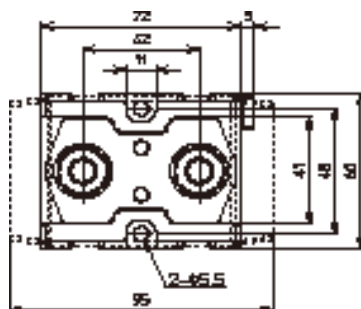
Single Pole

Stud

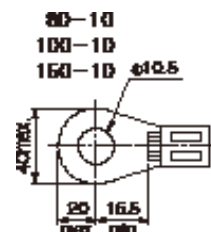
TC300B



Appearance diagram (Unit:mm)



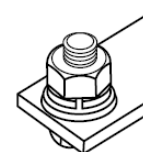
Applicable crimping terminals



Specifications

Product Name	● TC300B
Dielectric strength voltage	600V
Applicable wires	80mm ² —210A
Maximum current (In case of crimping connection)	100mm ² —240A 125mm ² —270A 150mm ² —310A
Terminal screw	M10×25 スタッド (六角ナット)
Tightening torque	15~20N・m
Flame retardance grade	UL94HB
Rough Weight	290g
Pcs included	1 pc

Stud



Applicable Accessories

Optional Cover

● Material: Transparent Polycarbonate

Abstract	Product Name	Rough Weight
Without Holes	● TCB3B	25g
With Holes for Megger Test (2-Φ5)	● TCB3C	23g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.



Screw Assembled Terminal Block

TC
Series

400A

150, 200, 250, 325 mm²

Cover is an Option

600V

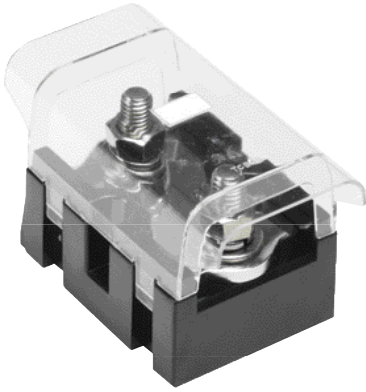
M12

RoHS 10

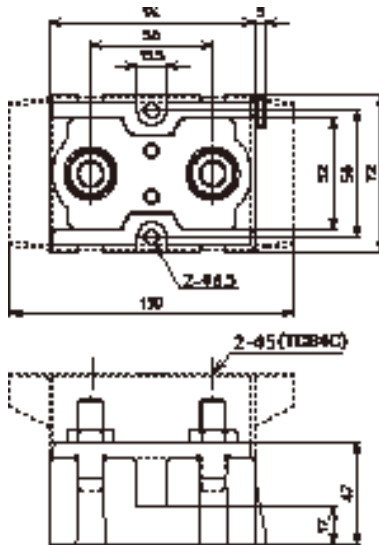
Single Pole

Stud

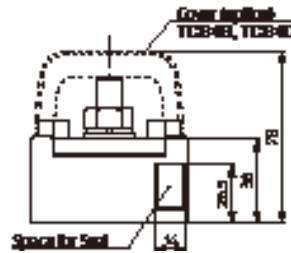
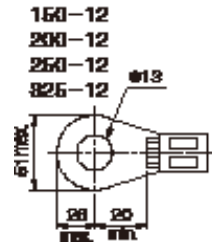
TC450B



Appearance diagram (Unit:mm)



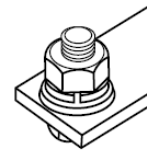
Applicable cramping terminals



Specifications

Product Name	● TC450B
Dielectric strength voltage	600V
Applicable wires	150mm ² —310A
Maximum current (In case of crimping connection)	200mm ² —400A 250mm ² —430A 325mm ² —520A
Terminal screw	M12×35 スタッド (六角ナット)
Tightening torque	25～35N・m
Flame retardance grade	UL94HB
Rough Weight	540g
Pcs included	1 pc

Stud



■ Applicable Accessories

Optional Cover

- **Material:** Transparent Polycarbonate

Abstract	Product Name	Rough Weight
Without Holes	● TCB4B	40g
With Holes for Megger Test (2-Ø5)	● TCB4C	38g

●…Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.



Screw Assembled
Terminal Block

TC
Series

520A

250, 325, 200 x 2 mm²

Cover is an Option

600V

M16

RoHS 10

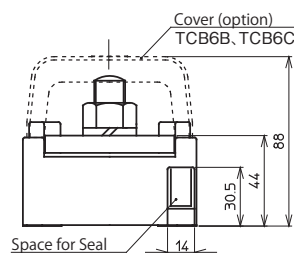
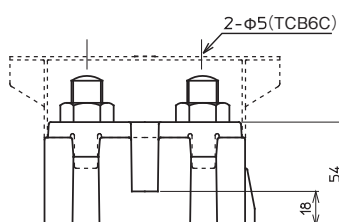
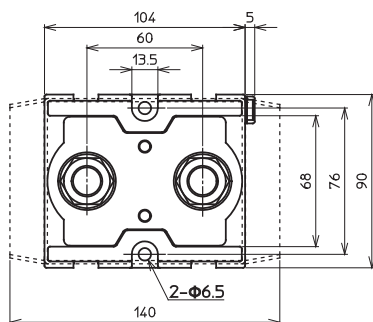
Single Pole

Stud

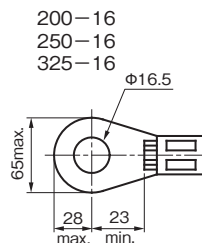
TC600B



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TC600B	
Dielectric strength voltage	600V	
Applicable wires	250mm ²	[430A]
Maximum current	325mm ²	[520A]
(In case of crimping connection)	200mm ² × 2	[650A]
Terminal screw	M16 × 40 Stud (Hex Nut)	
Tightening torque	70~90N·m	
Flame retardance grade	UL94HB	
Rough Weight	870g	
Pcs included	1 pc	

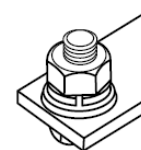
Applicable Accessories

Optional Cover

● Material: Transparent Polycarbonate

Abstract	Product Name	Rough Weight
Without Holes	● TCB6B	50g
With Holes for Megger Test (2-φ5)	● TCB6C	48g

Stud



● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.



TL Series

Product Line-up/ Common Specifications/ Materials

Screw terminal block (Assembled)

Product Line-up

■ TL Assembled Terminal Block

A general-purpose Terminal Block assembly with an insulation voltage of 600 V.

The mounting holes are aligned along the centerline, making drilling work easy.

With a wide range of standard pole counts available, economical selection is possible.

• All models come with a cover and a seal for legends.

• Compliant with UL and CSA standards.

RatingsDielectric strength voltage	Ratings ^{Note1}	Terminal screw ^{Note2}	Standard Poles	Basic type name	Cover/ Seal for legends
600V	2mm ² [20A]	M3.5×8 ⊕Standard screw	2~30P	TL15	Attached
	5.5mm ² [40A]	M4×10 ⊕Standard screw	2~30P	TL25	
	8mm ² [50A]	M5×12 ⊕Standard screw	2~20P	TL35	

Note1: Ratings are recommended values with usage in compliance to JIS standards.

Note2: As for the Symbols in Terminal screw columns, ⊕ is plus/minus screw.

Common Specifications

Operational Ambience Temperature Range	−25~+55°C (Withoung Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	2500V 1Min.
ImpulseWithstanding Voltage	6000V
Conformed Standards	JIS C8201-7-1 ^{Note1} NECA C2811 (JIS C2811) ^{Note2} UL1059, EN/IEC60947-7-1

Note 1: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 2: NECA C2811 is a standard conforming to the contents of JIS C2811.

Materials

Name	Materials	Flame retardance grade
Terminal Base	Phenolic Resin (Black)	UL94V-0
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Brass (Nickel plating)	—
Seal for legends	Fiber	—
Cover	Polycarbonate	UL94V-2

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL/CSA

TL series Terminal blocks are certified products by UL and CSA.

The ratings in using products as the UL/CSA conformed ones are as shown below:



File No. :E114903



File No. :LR80644



Basic type name	UL Standard (UL1059)						CSA Standard (C22-2 No.158)			
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires(AWG) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} (AWG)	Tightening Torque (N·m)
			Single wire	Stranded wire						
TL15	600	20	20~14	20~14	2	1.3	600	20	20~14	1.3
TL25	600	30	18~10	18~10	2	1.8	600	30	18~10	1.8
TL35	600	50	16~10	16~10	2	2.7	600	45	16~8	2.7

Note1: The above list applies to connection by bare copper or by crimp terminals. As for Applicable Wires, however, values with * are only for connection by crimp terminals. Please use only crimp terminals with UL or CSA conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

Screw Assembled
Terminal Block

TL
Series

20A

600V

2-30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3.5

Standard Screw

With Cover and Seal for Legend

UL 

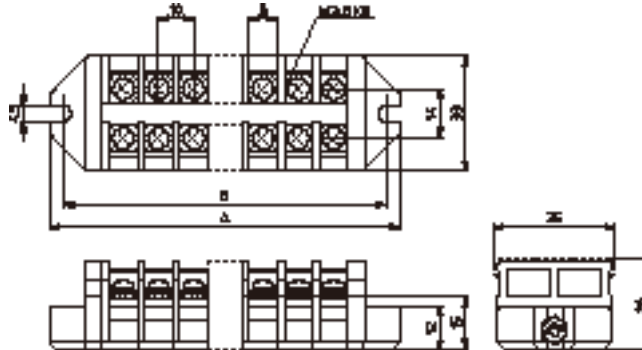
CSA 

CE 

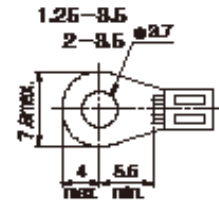
TL15



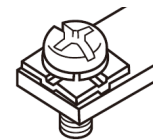
Appearance diagram (Unit:mm)



Applicable cramping terminals



Standard Screw



Specifications

Dielectric strength voltage	600V
Applicable wires	0.75mm ² —10A
Maximum current (In case of crimping connection)	1.25mm ² —15A 2mm ² —20A
Terminal screw	M3.5×8  Standard Screw
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0

* Regarding conforming ratings to overseas standards, please refer to [the other data sheet](#).

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	● TL1502	50	42	40g
3	● TL1503	60	52	50g
4	● TL1504	70	62	60g
5	● TL1505	80	72	70g
6	● TL1506	90	82	80g
8	● TL1508	110	102	100g
10	● TL1510	130	122	125g
12	● TL1512	150	142	145g
14	● TL1514	170	162	165g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
15	● TL1515	180	172	175g
16	● TL1516	190	182	185g
18	● TL1518	210	202	205g
20	● TL1520	230	222	230g
22	● TL1522	250	242	250g
24	● TL1524	270	262	270g
25	● TL1525	280	272	280g
30	● TL1530	330	322	335g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	10mm	Coatingless	20A	6	● TJ163A	3.5g	10 pcs
		With Coating			● TJ163B	4g	10 pcs
		Coatingless (Bending)			● TJ163C	3.5g	10 pcs

Cover (For Repair)

Product Name
TRB1

Seal for Legend (For Repair)

Product Name Dim	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC11	6.5	Plain	Fiber (T=0.5mm)	5m	24g
● TRC12			PVC (T=0.5mm)	5m	26g
● TRC12L100			PVC (T=0.5mm)	100m	520g
● TRC13			PP (T=0.5mm)	5m	18g
● TRC13L100			PP (T=0.5mm)	100m	360g

Terminal Screw

Product Name	Lot for Sales
TL15TANSHINEJI	100個

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TL
Series

40A

600V

2 - 30 Poles

RoHS 10

1.25, 2, 3.5, 5.5 mm²

M4

Standard Screw

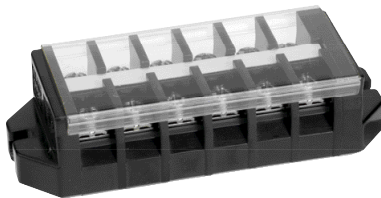
With Cover and Seal for Legend

UL 

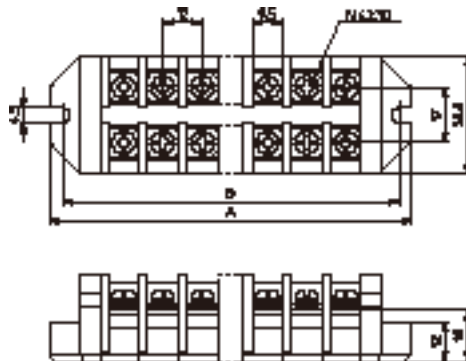
CSA 

CE 

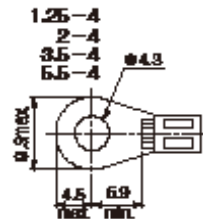
TL25



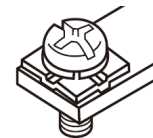
Appearance diagram (Unit:mm)



Applicable cramping terminals



Standard Screw



Specifications

Dielectric strength voltage	600V
Applicable wires	1.25mm ² - 15A
Maximum current (In case of crimping connection)	2mm ² - 20A 3.5mm ² - 30A 5.5mm ² - 40A
Terminal screw	M4×10 ± Standard Screw
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0

* Regarding conforming ratings to overseas standards, please refer to [the other data sheet](#).

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	TL2502	55	47	55g
3	TL2503	67	59	70g
4	TL2504	79	71	85g
6	TL2506	103	95	115g
8	TL2508	127	119	145g
10	TL2510	151	143	175g
12	TL2512	175	167	205g
14	TL2514	199	191	240g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
15	TL2515	211	203	255g
16	TL2516	223	215	270g
18	TL2518	247	239	300g
20	TL2520	271	263	330g
22	TL2522	295	287	360g
24	TL2524	319	311	390g
25	TL2525	331	323	405g
30	TL2530	391	383	480g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	12mm	Coatingless	30A	6	TL263A	5g	10 pcs
		With Coating			TL263B	6g	10 pcs
		Coatingless (Bending)			TL263C	5g	10 pcs

Cover (For Repair)

Product Name
TRB2

Seal for Legend (For Repair)

Product Name Dim	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TL2511	6.5	Plain	Fiber (T=0.5mm)	5m	24g
TL2512			PVC (T=0.5mm)	5m	26g
TL2512L100			PP (T=0.5mm)	100m	520g
TL2513			PP (T=0.5mm)	5m	18g
TL2513L100			PP (T=0.5mm)	100m	360g

Terminal Screw

Product Name	Lot for Sales
TL25TANSHINEJI	100 pcs

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TL
Series

50A

600V

2 - 20 Poles

RoHS 10

3.5, 5.5, 8 mm²

M5

Standard Screw

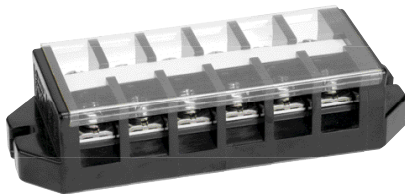
With Cover and Seal for Legend

UL 

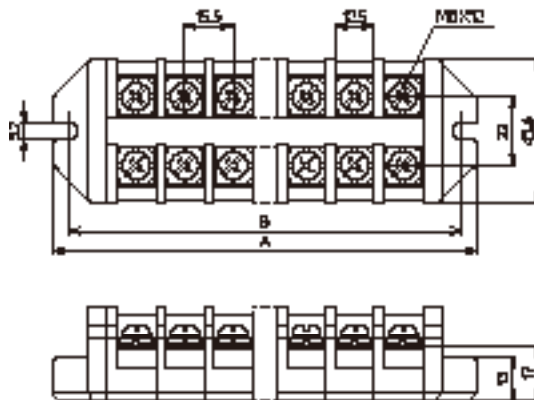
CSA 

CE 

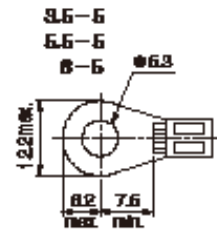
TL35



Appearance diagram (Unit:mm)



Applicable crimping terminals

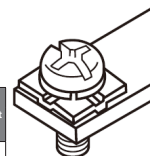


Specifications

Dielectric strength voltage	600V
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A
Terminal screw	M5×12 ± Standard Screw
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0

* Regarding conforming ratings to overseas standards, please refer to [the other data sheet](#).

Standard Screw



Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
2	● TL3502	66	56	95g
3	● TL3503	81.5	71.5	125g
4	● TL3504	97	87	155g
6	● TL3506	128	118	210g
8	● TL3508	159	149	270g

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
10	● TL3510	190	180	330g
12	● TL3512	221	211	385g
15	● TL3515	267.5	257.5	475g
18	● TL3518	314	304	540g
20	● TL3520	345	335	600g

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	50A	2	● JTJ302B	7g	10 pcs

Cover (For Repair)

Product Name
TRB3(L)

Seal for Legend (For Repair)

Product Name Dim	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC11	6.5	Plain	Fiber (T=0.5mm)	5m	24g
● TRC12			PVC (T=0.5mm)	5m	26g
● TRC12L100				100m	520g
● TRC13			PP (T=0.5mm)	5m	18g
● TRC13L100				100m	360g

Terminal Screw

Product Name	Lot for Sales
TL35TANSHINEJI	20 pcs

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TEN • TEU Series

Product Line-up/ Common Specifications/ Materials

Screw terminal block (Assembled)

Product Line-up

TEN•TEU Assembled Terminal block

- Both series conform to cULus standard, corresponding to both field- and factory-wiring.
- Certified by TÜV based on EN/IEC standard.
- As for TEU series, since it enables easy wiring by captive screw with touch-lock function, it contributes to improve efficiency.

Series Name	Rated Dielectric strength voltage	Rated Ratings ^{Note1}	Terminal screw ^{Note2}	Poles	Basic type name	Cover/ Seal for legends
TEN	250V	1.25mm ² [10A]	M3×6 ⊕ Standard screw	2~20P	TEN7	Attached.
	600V	2mm ² [20A]	M3.5×7 ⊕ Standard screw	2~20P	TEN8	
		3.5mm ² [30A]	M4×8 ⊕ Standard screw	2~20P	TEN11	
TEU	600V	2mm ² [20A]	M3.5×7 ⊕ Captive screw with touch-lock function	2~20P	TEU8	
		3.5mm ² [30A]	M4×8 ⊕ Captive screw with touch-lock function	2~20P	TEU11	
		8mm ² [50A]	M5×10 ⊕ Captive screw with touch-lock function	2~20P	TEU14	

Note1 Ratings are recommended values with usage in compliance to JIS standards.

Note2 As for the Symbols in Terminal screw columns, ⊕ is plus/minus screw.

Common Specifications

Operational Ambience Temperature Range	-25~+55°C (Without Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	Product with Ratings 250V : 2000V 1 Min. Product with Ratings 600V : 2500V 1 Min.
Impulse Withstanding Voltage	Product with Ratings 250V : 4000V Product with Ratings 600V : 6000V
Conformed Standards	UL1059 (excluding some) EN/IEC60947-7-1 (exclud. some) JIS C8201-7-1

Materials

Name	Materials	Flame retardance grade
Terminal Base	Modified PPO (Black)	UL94V-0
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Steel (Nickel over Copper plating)	—
Seal for legends	Polypropylene	—
Cover	Polycarbonate	UL94V-2

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL/cULus

TEN, TEU series Terminal blocks are certified products by cULus.

The ratings in using products as the cULus conformed ones are as shown below:

 File No.:E114903

Basic type name	UL Standards (UL1059)						c-UL-us Standards (CSA Standards C22-2 No.158)			
	Rated Voltage (V)	Rated Current (A)	Applicable wires (AWG/MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Rated Voltage (V)	Rated Current (A)	Applicable wires ^{Note1} (AWG/MCM)	Tightening Torque (N·m)
			Single wire	Stranded wire						
TEN8	300	15	20~14	20~14	2	1.3	300	15	20~14	1.3
TEN11	300	25	18~12	18~12	2	1.8	300	25	18~12	1.8
TEU8	600	20	20~14	20~14	2	1.3	600	20	20~14	1.3
TEU11	600	30	18~10	18~10	2	1.8	600	30	18~10	1.8
TEU14	600	35	16~10	16~10	2	2.7	600	35	16~10	2.7
		50	—	*8	2			50	*8	

Note1: The above list applies to connection by bare copper or by crimp terminals. As for Applicable Wires, however, values with * are only for connection by crimp terminals. Please use only crimp terminals with UL or cULus conformance.

Note2: FW1: Wirings at factory, FW2: Wirings at factory and in-field

■ The Ratings used as conforming products to EN/IEC

TEN, TEU series Terminal blocks are certified by TÜV, an international third-party certification organization, to conform to EN/IEC standards, enabling smoother verification of CE marking compliance for machinery.

The ratings when used as EN/IEC-compliant products are as follows:

 License No.:R50029404 

Basic type name	Rated Voltage (V)	Impulse Withstanding Voltage (V)	Rated Current (A)	Applicable wires (AWG) ^{Note}		Tightening torque (N·m)	Connectable Wires
				Single wire	Stranded wire		
TEN8	600	6000	20	20~14	20~14	1.3	1 or 2
TEN11	600	6000	30	18~12 (0.75~4 mm ²)	18~12 (0.75~4 mm ²)	1.8	1 or 2
TEU8	600	6000	20	20~14 (0.5~2.5 mm ²)	20~14 (0.5~2.5 mm ²)	1.3	1 or 2
TEU11	600	6000	30	18~12 (0.75~4 mm ²)	18~12 (0.75~4 mm ²)	1.8	1 or 2
			40	—	*10 (6mm ²)		
TEU14	600	6000	45	16~10 (1.5~6 mm ²)	16~10 (1.5~6 mm ²)	2.8	1 or 2
			60	—	*8 (10mm ²)		

Note: The above table applies to both bare copper wire connections and crimp terminal connections. Please note the following points:

For crimp terminal connections: Use insulated crimp terminals, or insulate bare crimp terminals with sleeves, tubes, or tape.

When connecting two bare wires: Use wires of the same size and type (solid or stranded). Do not connect wires of different sizes or types.

Screw Assembled
Terminal Block

TEN
Series

10A

1.25 mm²

With Cover and Seal for Legend

250V

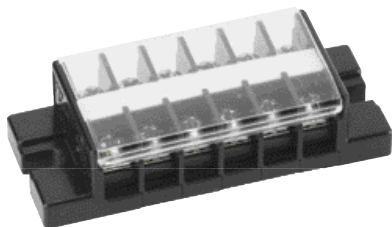
M3

RoHS 10

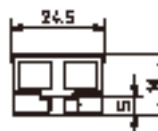
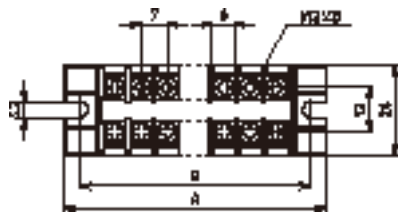
2 - 20 Poles

Standard Screw

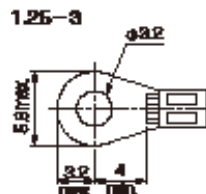
TEN7



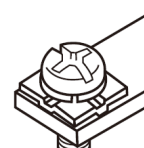
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	250V
Applicable wires	1.25mm ² - 10A
Maximum current (In case of crimping connection)	
Terminal screw	M3×6 ± Standard Screw
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
2	● TEN702	34	26	14	9.5
3	● TEN703	41	33	21	13
4	● TEN704	48	40	28	16.5
5	● TEN705	55	47	35	20
6	● TEN706	62	54	42	23.5
7	● TEN707	69	61	49	27
8	● TEN708	76	68	56	30.5
9	● TEN709	83	75	63	34
10	● TEN710	90	82	70	37.5
11	● TEN711	97	89	77	41

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
12	● TEN712	104	96	84	44.5
13	● TEN713	111	103	91	48
14	● TEN714	118	110	98	51.5
15	● TEN715	125	117	105	55
16	● TEN716	132	124	112	58.5
17	● TEN717	139	131	119	62
18	● TEN718	146	138	126	65.5
19	● TEN719	153	145	133	69
20	● TEN720	160	152	140	72.5

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	7mm	Without Coating	20A	20	● TJ7201A	7g	10 pcs
		With Coating		20	● TJ7201B	8.5g	10 pcs

Cover (For Repair)

Product Name
TXJB7

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXJC52	5.5	Plain	PVC (T = 0.5mm)	5m	24g
TXJC53			PP (T = 0.5mm)	5m	17g

Terminal Screw

Product Name	Lot for Sales
TEN7TANSHINEJI	100 pcs

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TEN
Series

20A

600V

2 - 20 Poles

RoHS 10

1.25, 2 mm²

M3.5

Standard Screw

With Cover and Seal for Legend

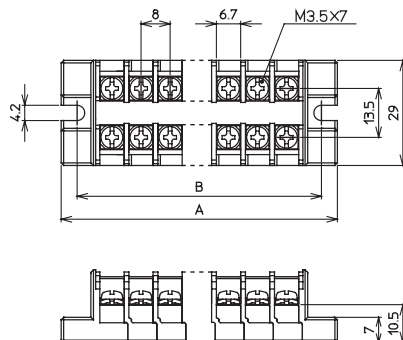
c-UL-us cULus

TÜV  CE 

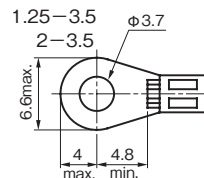
TEN8



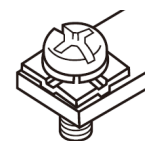
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	600V
Applicable wires	1.25mm ² - 10A
Maximum current (In case of crimping connection)	2mm ² - 20A
Terminal screw	M3.5 × 7  Standard Screw
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	300V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	20~14	20~14	20~14	20~14
Current-carrying Current Ratings	15A		20A	

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
2	TEN802	36	28	16	14
3	TEN803	44	36	24	19
4	TEN804	52	44	32	29
5	TEN805	60	52	40	34
6	TEN806	68	60	48	39
7	TEN807	76	68	56	44
8	TEN808	84	76	64	49
9	TEN809	92	84	72	54
10	TEN810	100	92	80	59
11	TEN811	108	100	88	64

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
12	TEN812	116	108	96	69
13	TEN813	124	116	104	74
14	TEN814	132	124	112	79
15	TEN815	140	132	120	84
16	TEN816	148	140	128	89
17	TEN817	156	148	136	94
18	TEN818	164	156	144	99
19	TEN819	172	164	152	104
20	TEN820	180	172	160	109

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	16mm (Every 2-pole)	With Coating (Bending)	20A	2	● TJ024BB	1.5g	10 pcs
				8	● TJ084BB	3.5g	10 pcs
	8mm	Without Coating	20A	6	● TJ161A	2.5g	10 pcs
		With Coating		20	● TJ1201A	9g	10 pcs
				2	● TJ121B	0.9g	10 pcs
				6	● TJ161B	3g	10 pcs
				20	● TJ1201B	10g	10 pcs
		Without Coating (Bending)		6	● TJ161C	2.5g	10 pcs

Cover (For Repair)

Product Name
TXJB8

Terminal Screw

Product Name	Lot for Sales
TEN8TANSHINEJI	100 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TEN8TRC11	6.5	無地	Fiber (T = 0.5mm)	5m	24g
TEN8TRC12			PVC (T = 0.5mm)	5m	26g
TEN8TRC12L100			PP (T = 0.5mm)	100m	520g
TEN8TRC13			PP (T = 0.5mm)	5m	18g
TEN8TRC13L100			PP (T = 0.5mm)	100m	360g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TEN
Series

30A

600V

2 - 20 Poles

RoHS 10

1.25, 2, 3.5 mm²

M4

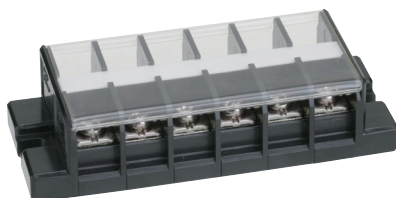
Standard Screw

With Cover and Seal for Legend

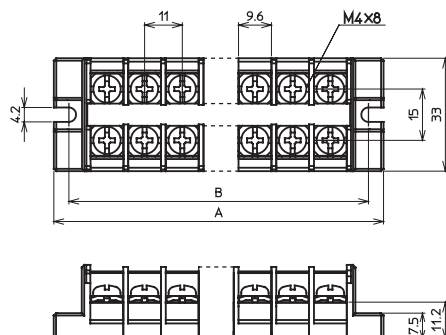
c-UL-us c^{us}

TÜV  CE 

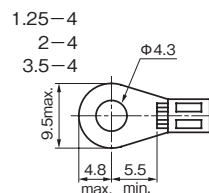
TEN11



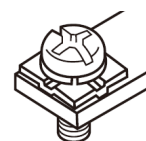
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	600V
Applicable wires	1.25mm ² - 10A
Maximum current	2mm ² - 20A
(In case of crimping connection)	3.5mm ² - 30A
Terminal screw	M4×8  Standard Screw
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	300V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	18~12	18~12	18~12	18~12
Current-carrying Current Ratings	25A		30A	

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
2	TEN1102	42	34	22	23.5
3	TEN1103	53	45	33	32
4	TEN1104	64	56	44	40.5
5	TEN1105	75	67	55	49
6	TEN1106	86	78	66	57.5
7	TEN1107	97	89	77	66
8	TEN1108	108	100	88	74.5
9	TEN1109	119	111	99	83
10	TEN1110	130	122	110	91.5
11	TEN1111	141	133	121	100

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
12	TEN1112	152	144	132	108.5
13	TEN1113	163	155	143	117
14	TEN1114	174	166	154	125.5
15	TEN1115	185	177	165	134
16	TEN1116	196	188	176	142.5
17	TEN1117	207	199	187	151
18	TEN1118	218	210	198	159.5
19	TEN1119	229	221	209	168
20	TEN1120	240	232	220	176.5

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11mm	Without Coating	30A	6	TJ261A	5g	10 pcs
		With Coating			TJ261B	6g	10 pcs
		Without Coating (Bending)			TJ261C	5g	10 pcs

Cover (For Repair)

Product Name
TTB3(L)

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TJ2611	6.5	Plain	Fiber (T = 0.5mm)	5m	24g
TJ2612			PVC (T = 0.5mm)	5m	26g
TJ2612L100			PP (T = 0.5mm)	100m	520g
TJ2613			PP (T = 0.5mm)	5m	18g
TJ2613L100			PP (T = 0.5mm)	100m	360g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TEU
Series

20A

600V

2 - 20 Poles

RoHS 10

1.25, 2 mm²

M3.5

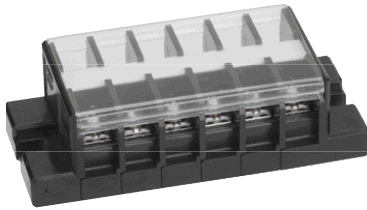
Captive Screw with
Touch-lock Function

With Cover and Seal for Legend

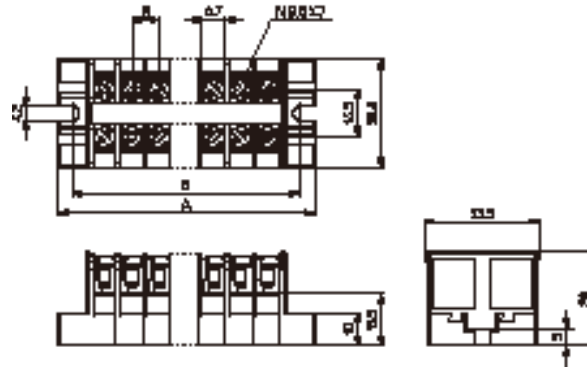
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TÜV  CE 

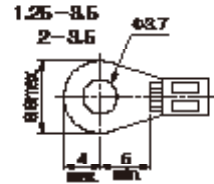
TEU8



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Dielectric strength voltage	600V
Applicable wires	1.25mm ² - 10A
Maximum current (In case of crimping connection)	2mm ² - 20A
Terminal screw	M3.5×7 ± ねじアップ
Tightening torque	1.0~1.3N・m
Flame retardance grade	UL94V-0

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	20~14	20~14	20~14	20~14
Current-carrying Current Ratings	20A		20A	

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/ Seal	
2	● TEU802	36	28	16	20.5
3	● TEU803	44	36	24	28
4	● TEU804	52	44	32	35.5
5	● TEU805	60	52	40	43
6	● TEU806	68	60	48	50.5
7	TEU807	76	68	56	58
8	● TEU808	84	76	64	65.5
9	TEU809	92	84	72	73
10	● TEU810	100	92	80	80.5
11	TEU811	108	100	88	88

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/ Seal	
12	● TEU812	116	108	96	95.5
13	TEU813	124	116	104	103
14	TEU814	132	124	112	110.5
15	TEU815	140	132	120	118
16	TEU816	148	140	128	125.5
17	TEU817	156	148	136	133
18	TEU818	164	156	144	140.5
19	TEU819	172	164	152	148
20	TEU820	180	172	160	155.5

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	16mm (Every 2-pole)	With Coating (Bending)	20A	2	● JTJ024BB	1.5g	10 pcs
				8	● JTJ084BB	3.5g	10 pcs
	8mm	Without Coating	20A	6	● TJ161A	2.5g	10 pcs
				20	● TJ1201A	9g	10 pcs
		With Coating		2	● TJ121B	0.9g	10 pcs
				6	● TJ161B	3g	10 pcs
		Without Coating (Bending)		20	● TJ1201B	10g	10 pcs
				6	● TJ161C	2.5g	10 pcs

Cover (For Repair)

Cover (For Repair)
TTB3(L)

Cover (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC11	6.5	Plain	Fiber (T = 0.5mm)	5m	24g
● TRC12			PVC (T = 0.5mm)	5m	26g
● TRC12L100			PP (T = 0.5mm)	100m	520g
● TRC13				5m	18g
● TRC13L100				100m	360g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TEU
Series

30A

600V

2 - 20 Poles

RoHS 10

1.25, 2, 3.5 mm²

M4

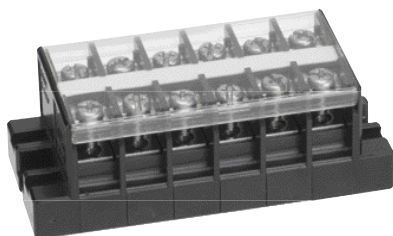
Captive Screw with
Touch-lock Function

With Cover and Seal for Legend

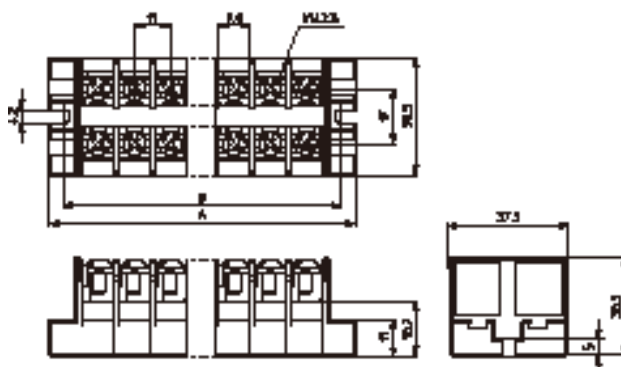
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TÜV  CE 

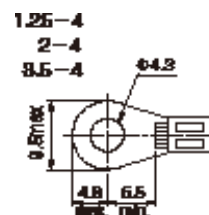
TEU11



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Dielectric strength voltage	600V
Applicable wires	1.25mm ² - 10A
Maximum current (In case of crimping connection)	2mm ² - 20A 3.5mm ² - 30A
Terminal screw	M4 × 8 ± Captive Screw with Touch-lock Function
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	18~10	18~10	18~12	18~12
Current-carrying Current Ratings	30A		18~12:30A, * 10:40A	

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
2	TEU1102	42	34	22	30.5
3	TEU1103	53	45	33	42
4	TEU1104	64	56	44	53.5
5	TEU1105	75	67	55	65
6	TEU1106	86	78	66	76.5
7	TEU1107	97	89	77	88
8	TEU1108	108	100	88	99.5
9	TEU1109	119	111	99	111
10	TEU1110	130	122	110	122.5
11	TEU1111	141	133	121	134

Poles	Product Name	Dimension (mm)			Rough Weight (g)
		A	B	Cover/Seal	
12	TEU1112	152	144	132	145.5
13	TEU1113	163	155	143	157
14	TEU1114	174	166	154	168.5
15	TEU1115	185	177	165	180
16	TEU1116	196	188	176	191.5
17	TEU1117	207	199	187	203
18	TEU1118	218	210	198	214.5
19	TEU1119	229	221	209	226
20	TEU1120	240	232	220	237.5

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11mm	Without Coating	30A	6	TJ261A	5g	10 pcs
		With Coating			TJ261B	6g	10 pcs
		Without Coating (Bending)			TJ261C	5g	10 pcs

Cover (For Repair)

Product Name
TXB1

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TRC11	6.5	Plain	Fiber (T = 0.5mm)	5m	24g
TRC12			PVC (T = 0.5mm)	5m	26g
TRC12L100			PP (T = 0.5mm)	100m	520g
TRC13			PP (T = 0.5mm)	5m	18g
TRC13L100			PP (T = 0.5mm)	100m	360g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TEU
Series

50A

600V

2 - 20 Poles

RoHS 10

3.5, 5.5, 8 mm²

M5

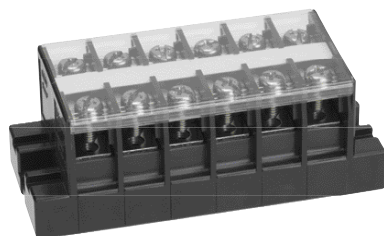
Captive Screw with
Touch-lock Function

With Cover and Seal for Legend

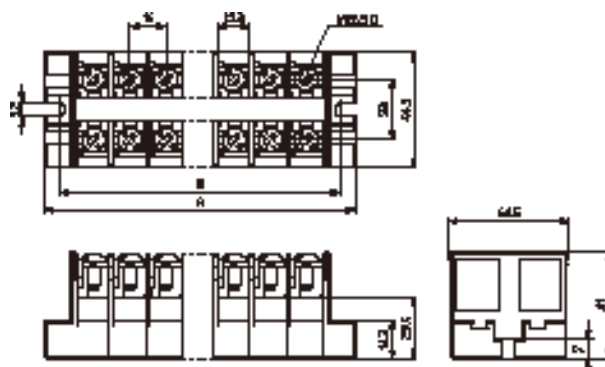
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TÜV  CE 

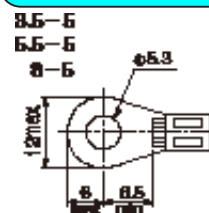
TEU14



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Dielectric strength voltage	600V
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A
Terminal screw	M5 × 10  Captive Screw with Touch-lock Function
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	16~10	16~10	16~10	16~10
	—	*8	—	*8
Current-carrying Current Ratings	16~10:35A, *8:50A		16~10:45A, *8:60A	

* Solely for connection by cramp terminals

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	50A	2	● J TJ302B	7g	10 pcs

Cover (For Repair)

Cover (For Repair)
T30B

Cover (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TXM • TXUM Series

Product Line-up/ Common Specifications/ Materials

Screw terminal block (Rail-mount)

Product Line-up

■ TX Rail-mount terminal block

The TX rail-mount terminal blocks are globally compliant products certified to UL, CSA, and EN/IEC standards (excluding some models). They can be assembled with the desired number of poles and current capacity, allowing for economical selection.

Product Category	Abstract	Rated Insulation Voltage	Ratings ^{Note1}		Terminal screw ^{Note2}		Available Poles	Product Name	Rough Weight per 1 pole
			Primary Side	Secondary Side	Primary Side	Secondary Side			
Standard Type	- A standard terminal block with a user-friendly standard structure. A wide range of current capacities and finely segmented frame sizes are available. - Compliant with UL and CSA standards. Also certified by TÜV as conforming to EN/IEC standards and compliant with CE marking (excluding some models). Frames up to 400 A are approved for both UL factory wiring and field wiring.	800V	1.25mm ²	[15A]	M3×6 ⊕ Standard screw		2~30P	TXM7	6g
			2mm ²	[20A]	M3×8 ⊕ Standard screw		2~30P	TXM10SM3	6.5g
					M3.5×8 ⊕ Standard screw		2~30P	TXM10S	6.5g
					M3.5×8 ⊕ Standard screw		2~30P	TXM10	8g
			5.5mm ²	[40A]	M4×10 ⊕ Standard screw		2~30P	TXM20	11g
			8mm ²	[50A]	M5×12 ⊕ Standard screw		2~20P	TXM30	22g
		1000V	14mm ²	[80A]	M5×12 ⊕ Standard screw		2~15P	TXM50	25g
			22mm ²	[90A]	M6×12 ⊕ Standard screw (with Round Washer)		2~18P	TXM60	37g
			38mm ²	[130A]	M8×14 ⊕ Hex bolt		2~15P	TXM100	83g
			60mm ²	[175A]	M8×16 ⊕ Hex bolt		2~15P	TXM150	96g
			100mm ²	[240A]	M10×20 ⊕ Hex bolt		2~12P	TXM200	175g
			150mm ²	[310A]	M10×20 ⊕ Hex bolt		2~10P	TXM300	215g
			200mm ²	[400A]	M12×25 Hex bolt		2~6P	TXM400	382g
			150mm ² ×2	[500A]					
			325mm ²	[600A]	M16×40 Stud		2~6P	TXM600-N	650g
			325mm ²	[600A]	M16×46 Stud (with Guide)		1~6P	TXM800-N	820g
			200mm ² ×2	[800A]					
			325mm ²	[600A]	M16×48 Stud (with Guide)		1~6P	TXM1000-N	900g
			325mm ² ×2	[1000A]					
Spring-loaded	- This is a spring-loaded type terminal block. It features a touch-lock function that allows temporary fastening, and a spring-loaded mechanism that raises and holds the screw when loosened — ideal for efficient wiring work. - Compliant with UL and CSA standards. Also certified by TÜV as conforming to EN/IEC standards and compliant with CE marking. - Frames up to 100 A are approved for both UL factory wiring and field wiring.	800V	1.25mm ²	[15A]	M3×8 ⊕ Spring-loaded screw terminal		2~30P	TXUM7	7.5g
			2mm ²	[20A]	M3×8 ⊕ Spring-loaded screw terminal		2~30P	TXUM10SM3	8g
					M3.5×8 ⊕ Spring-loaded screw terminal		2~30P	TXUM10S	8g
					M3.5×8 ⊕ Spring-loaded screw		2~30P	TXUM10	9g
			5.5mm ²	[40A]	M4×8.5 ⊕ Spring-loaded screw terminal		2~30P	TXUM20	13g
			8mm ²	[50A]	M5×10 ⊕ Spring-loaded screw terminal		2~20P	TXUM30	25g
		1000V	14mm ²	[80A]	M5×10 ⊕ Spring-loaded screw terminal		2~15P	TXUM50	28g
			22mm ²	[90A]	M6×12 ⊕ Spring-loaded screw terminal		2~15P	TXUM60	37g
			38mm ²	[130A]	M8×15 ⊕ Hex bolt Spring-loaded screw terminal		2~15P	TXUM100	104g

Note1 Ratings are recommended values with usage in compliance to JIS standards.

Note2 As for the Symbols in Terminal screw columns, ⊕ is plus/minus screw while ⊕ is plus screw.

Common Specifications

Operational Ambience Temperature Range	−25~+55°C (without Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	2500V 1 Min.
Impulse Withstanding Voltage	6000V (TX7~TX10, TXU7~TXU10) ^{Note1} 8000V (TX20~TX60, TXU20~TXU60) ^{Note2} 12000V (TX100~TX1000N, TXU100)
Conformed Standards	JIS C8201-7-1 ^{Note3} , NECA C2811 (JIS C2811) ^{Note4} UL1059 (exclud. some types), EN/IEC60947-7-1

Materials

Name	Materials	Flame retardance grade
Terminal Base	Polycarbonate	UL94V-0
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Brass (Nickel plating) Copper (TX400600N, 800N, 1000N)	—
Seal for legends	Fiber Vinyl chloride Polypropylene	—
Cover	Polycarbonate	UL94V-2

Note 1: When the crimped section of the solderless terminal is insulated, the Impulse Withstanding voltage becomes 8,000 V.

Note 2: For TX60 and TXU60, when the crimped section of the solderless terminal is insulated, the Impulse Withstanding Voltage becomes 12,000 V.

Note 3: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 4: NECA C2811 is a standard conforming to the contents of JIS C2811.

TXM • TXUM Series

Product Line-up/ Common Specifications/ Materials

Ratings Compliant to Overseas Standards

■ The Ratings used as conforming products to UL/CSA.

TX, TXU series of Terminal Blocks are certified products by UL and CSA.

The ratings in using products as the UL/CSA conformed ones are as shown below:



File No.:E114903



File No.:LR80644

Product Name		UL Standard (UL1059)						CSA Standard (C22-2 No.158)			
		Ratings Voltage (V)	Ratings Current (A)	Applicable wires AWG (MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} AWG(MCM)	Tightening Torque (N·m)
Standard Screw	Spring-loaded			Single wire	Stranded wire						
TXM7	TXUM7	600	10	20~16	20~16	2	0.9	600	10	20~16	0.9
TXM10SM3	TXUM10SM3	600	15	20~14	20~14	2	0.9	600	15	20~14	0.9
TXM10S	TXUM10S	600	15	20~14	20~14	2	1.3	600	15	20~14	1.3
TXM10	TXUM10	600	20	20~14	20~14	2	1.3	600	20	20~14	1.3
TXM20	TXUM20	600	30	18~10	18~10	2	1.8	600	30	18~10	1.8
TXM30	TXUM30	600	50	16~12	16~10	2	2.7	600	45	16~8	4.5
TXM50	TXUM50	600	30	16~10	16~10	2	2.7	—	—	—	—
			65	—	* 6	2					
TXM60	TXUM60	600	80	* 14~10	* 14~4	2	4.5	600	80	* 14~4	5.1
TXM100	TXUM100	600	115	—	* 8~2	2	10	600	115	* 8~2	16.9
TXM150	—	600	175	—	* 6~2/0	2	10	600	175	* 6~2/0	16.9
TXM200	—	600	230	—	* 4~4/0	2	20	600	230	* 4~4/0	28.2
TXM300	—	600	310	—	* 4~ (350)	2	20	600	310	* 4~ (350)	28.2
TXM400	—	600	380	—	* 1/0~ (500)	2	30	600	380	* 1/0~ (500)	42.5

Note1: The above list applies to connection by bare copper or by crimp terminals. As for Applicable Wires, however, values with * are only for connection by crimp terminals. Please use only crimp terminals with UL or CSA conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

Note3: If products are used at UL Ratings, connect only one wire to one terminal.

■ The Ratings used as conforming products to EN/IEC

The TX and TXU series terminal blocks are certified by TÜV, an international third-party certification organization, to conform to EN/IEC standards, enabling smoother verification of CE marking compliance for machinery. The ratings when used as EN/IEC-compliant products are as follows:



License No.:R9551559 (TXM Series)
License No.:R9551561 (TXUM Series)

Product Name		Ratings Voltage (V)	Impulse Withstanding Voltage (V)	Ratings Current (A)	Applicable wires AWG (JIS) ^{Note}		Tightening torque (N·m)	Connectable Wires
					Single Wire	Stranded Wire		
TXM7	TXUM7	600	6000	15	20~16	20~16	0.9	1または2
TXM10SM3	TXUM10SM3	600	6000	20	20~14	20~14	0.9	1または2
TXM10S	TXUM10S	600	6000	20	20~14	20~14	1.3	1または2
TXM10	TXUM10	600	6000	25	20~14	20~14	1.3	1または2
TXM20	TXUM20	600	6000	40	18~10	18~10	1.8	1または2
TXM30	TXUM30	600	6000	60	16~10	16~8	2.8	1または2
TXM50	TXUM50	600	6000	60	16~8	16~8	2.8	1または2
				80	—	* 6		
TXM60	TXUM60	600	6000	110	* 14~10	* 14~4	5	1または2
TXM100	TXUM100	600	6000	140	—	* 8~2	10	1または2
TXM150	—	600	6000	190	—	* 4~ (60mm ²)	10	1または2
TXM200	—	600	6000	300	—	* 2~ (100mm ²)	20	1または2
TXM300	—	600	6000	350	—	* 2~ (150mm ²)	20	1または2
TXM400	—	600	6000	540	—	* (100~250mm ²)	35	1または2

The above table applies to both bare copper wire connections and crimp terminal connections. However, wire types marked with an asterisk (*) are for crimp terminal connections only.

Please note the following points:

For crimp terminal connections: Use insulated crimp terminals, or insulate bare crimp terminals with sleeves, tubes, or tape.

When connecting two bare wires: Use wires of the same size and type (solid or stranded). Do not connect wires of different sizes or types.

Screw Assembled
Terminal Block

T X M
Series

15A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25 mm²

M3

Standard Screw

With Cover and Seal for Legend

UL

CSA

TÜV

CE

CE

CE

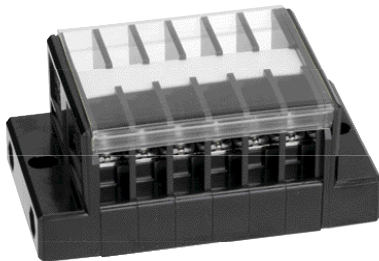
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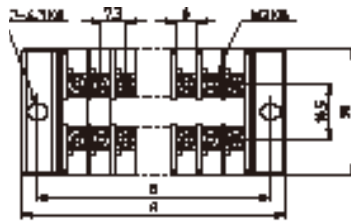
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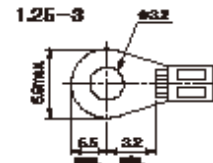
TXM7



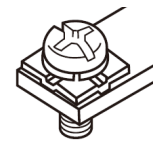
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² —10A
Maximum current (In case of crimping connection)	1.25mm ² —15A
Terminal screw	M3×6 [±] Standard Screw
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
 ※The current value with heat-resistant wire: 18A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM702	38.6	29.6	25
3	● TXM703	45.9	36.9	30
4	● TXM704	53.2	44.2	40
5	TXM705	60.5	51.5	45
6	● TXM706	67.8	58.8	50
8	● TXM708	82.4	73.4	65
10	● TXM710	97	88	80
12	● TXM712	111.6	102.6	95
14	● TXM714	126.2	117.2	110

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TXM715	133.5	124.5	115
16	● TXM716	140.8	131.8	120
18	TXM718	155.4	146.4	135
20	TXM720	170	161	150
22	TXM722	184.6	175.6	165
24	TXM724	199.2	190.2	175
25	TXM725	206.5	197.5	185
30	TXM730	243	234	220

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	7.3mm	Without Coating	20A	6	● TJ762A	2.5g	10 pcs
		With Coating		20	● TJ7202A	8.5g	10 pcs
				2	● TJ722B	0.9g	10 pcs
				6	● TJ762B	3g	10 pcs
				20	● TJ7202B	10g	10 pcs
				6	● TJ762C	2.5g	10 pcs
		Without Coating (Bending)					

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PP (T = 0.5mm)	100m	740g
● TRC23				5m	24g
● TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

20A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3

Standard Screw

With Cover and Seal for Legend

UL

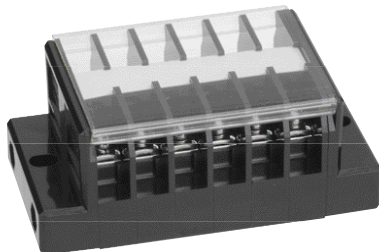
CSA

TÜV

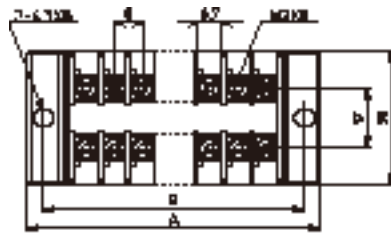
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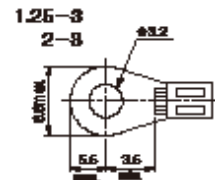
TXM10SM3



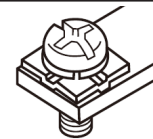
Appearance diagram (Unit:mm)



Applicable cramping terminals



Standard Screw



Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A* 2mm ² - 20A
Terminal screw	M3×8 (セルフアッパ)
Tightening torque	0.6~0.9N・m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 18A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXM10SM302	40	31	30
3	TXM10SM303	48	39	33
4	TXM10SM304	56	47	43
5	TXM10SM305	64	55	48
6	TXM10SM306	72	63	56
8	TXM10SM308	88	79	70
10	TXM10SM310	104	95	85
12	TXM10SM312	120	111	105
14	TXM10SM314	136	127	120

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TXM10SM315	144	135	125
16	TXM10SM316	152	143	135
18	TXM10SM318	168	159	150
20	TXM10SM320	184	175	165
22	TXM10SM322	200	191	180
24	TXM10SM324	216	207	195
25	TXM10SM325	224	215	200
30	TXM10SM330	264	255	240

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty	
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs	
		With Coating		20	● TJ1204A	9.5g	10 pcs	
				2	● JTJ124BB	1g	10 pcs	
		Without Coating (Bending)		6	● TJ164B	3.5g	10 pcs	
				20	● TJ1204B	11.5g	10 pcs	
		With Coating (Bending)		6	● TJ164C	3g	10 pcs	
				2	● JTJ024BB	1.5g	10 pcs	
		16mm (Every 2-pole))		With Coating (Bending)	8	● JTJ084BB	3.5g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
TRC22			PVC (T = 0.5mm)	5m	37g
TRC22L100			PP (T = 0.5mm)	100m	740g
TRC23				5m	24g
TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

20A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3.5

Standard Screw

With Cover and Seal for Legend

UL



CSA



TÜV

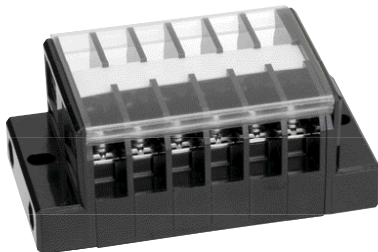


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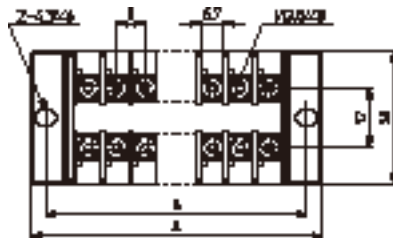


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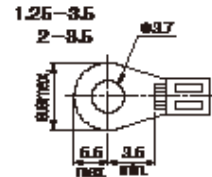
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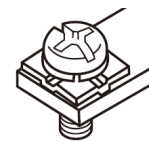
Appearance diagram (Unit:mm)



Applicable cramping terminals



Standard Screw



Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal screw	M3.5 × 8 ± Standard Screw
Tightening torque	1.0 ~ 1.3 N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 25A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM10S02	40	31	30
3	● TXM10S03	48	39	33
4	● TXM10S04	56	47	43
5	TXM10S05	64	55	48
6	● TXM10S06	72	63	56
8	● TXM10S08	88	79	70
10	● TXM10S10	104	95	85
12	TXM10S12	120	111	105
14	TXM10S14	136	127	120

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	● TXM10S15	144	135	125
16	TXM10S16	152	143	135
18	● TXM10S18	168	159	150
20	● TXM10S20	184	175	165
22	● TXM10S22	200	191	180
24	● TXM10S24	216	207	195
25	TXM10S25	224	215	200
30	● TXM10S30	264	255	240

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
		With Coating		20	● TJ1204A	9.5g	10 pcs
				2	● JTJ124BB	1g	10 pcs
		Without Coating (Bending)		6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
		6		● TJ164C	3g	10 pcs	
	16mm (Every 2-pole))	With Coating (Bending)	2	● JTJ024BB	1.5g	10 pcs	
			8	● JTJ084BB	3.5g	10 pcs	

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PP (T = 0.5mm)	100m	740g
● TRC23			PVC (T = 0.5mm)	5m	24g
● TRC23L100			PP (T = 0.5mm)	100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

20A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3.5

Standard Screw

With Cover and Seal for Legend

UL



CSA



TÜV



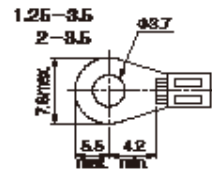
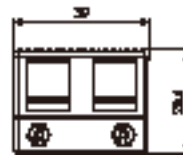
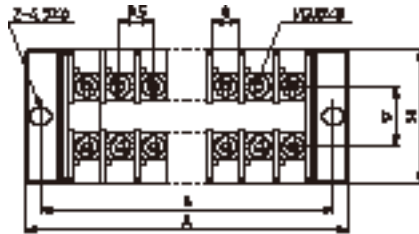
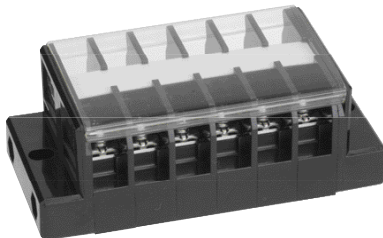
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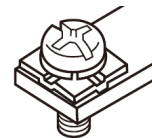
TXM10

Appearance diagram (Unit:mm)

Applicable cramping terminals



Standard Screw



Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal screw	M3.5×8 ± Standard Screw
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 25A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM1002	43	34	30
3	● TXM1003	52.5	43.5	40
4	● TXM1004	62	53	50
5	● TXM1005	71.5	62.5	60
6	● TXM1006	81	72	70
8	● TXM1008	100	91	90
10	● TXM1010	119	110	110
12	● TXM1012	138	129	130
14	● TXM1014	157	148	150

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	● TXM1015	166.5	157.5	160
16	TXM1016	176	167	165
18	TXM1018	195	186	185
20	● TXM1020	214	205	205
22	TXM1022	233	224	225
24	TXM1024	252	243	245
25	TXM1025	261.5	252.5	255
30	TXM1030	309	300	305

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty	
	9.5mm	Without Coating	20A	6	● TJ162A	3.5g	10 pcs	
		With Coating		20	● TJ1202A	10.5g	10 pcs	
				Without Coating (Bending)	2	● JTJ122BB	1g	10 pcs
					6	● TJ162B	4g	10 pcs
				With Coating (Bending)	20	● TJ1202B	12g	10 pcs
		6			● TJ162C	3.5g	10 pcs	
	19mm (Every 2-Pole)	With Coating (Bending)		2	● JTJ022BB	1.5g	10 pcs	
				8	● JTJ082BB	3.5g	10 pcs	

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

40A

800V

2 - 30 Poles

RoHS 10

1.25, 2, 3.5, 5.5 mm²

M4

Standard Screw

With Cover and Seal for Legend

UL 

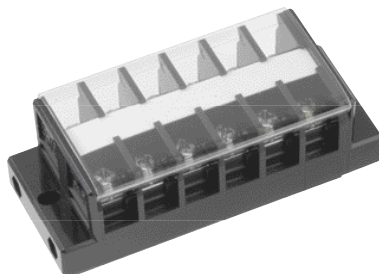
CSA 

TÜV 

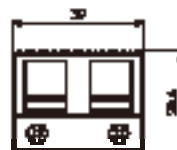
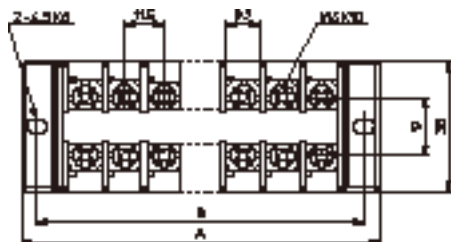
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CE 

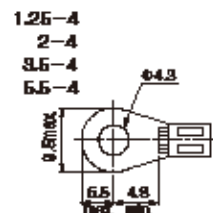
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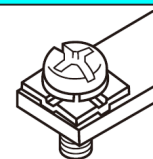
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	800V
Applicable wires	1.25mm ² - 15A
Maximum current (In case of crimping connection)	2mm ² - 20A 3.5mm ² - 30A 5.5mm ² - 40A
Terminal screw	M4 × 10 ± Standard Screw
Tightening torque	1.4 ~ 1.8N·m
Flame retardance grade	UL94V-0

※ Regarding the ratings compliant to overseas standards, please refer to [this page](#).
 ※ The current value with heat-resistant wire: 45A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM2002	47	38	40
3	● TXM2003	58.5	49.5	50
4	● TXM2004	70	61	65
6	● TXM2006	93	84	90
8	● TXM2008	116	107	120
10	● TXM2010	139	130	145
12	● TXM2012	162	153	170
14	● TXM2014	185	176	200

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TXM2015	196.5	187.5	215
16	● TXM2016	208	199	225
18	TXM2018	231	222	255
20	TXM2020	254	245	280
22	TXM2022	277	268	305
24	TXM2024	300	291	335
25	TXM2025	311.5	302.5	345
30	TXM2030	369	360	415

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11.5mm	Without Coating	30A	6	● TJ262A	5g	10 pcs
		With Coating		2	● TJ222B	2g	10 pcs
		Without Coating (Bending)		6	● TJ262B	6g	10 pcs
				6	● TJ262C	5g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

50A

800V

2 - 20 Poles

RoHS 10

3.5, 5.5, 8 mm²

M5

Standard Screw

With Cover and Seal for Legend

UL

CSA

TÜV

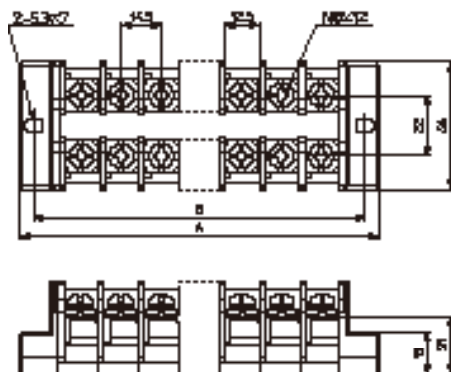
CE

CE

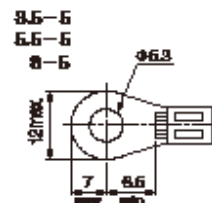
TXM30



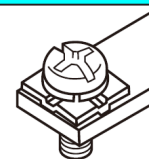
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	800V
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A
Terminal screw	M5×12 ± Standard Screw
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※The current value with heat-resistant wire: 54A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM3002	57	47	75
3	● TXM3003	71.5	61.5	100
4	● TXM3004	86	76	125
6	● TXM3006	115	105	175
8	● TXM3008	144	134	230

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
10	● TXM3010	173	163	280
12	● TXM3012	202	192	335
15	● TXM3015	245.5	235.5	410
18	● TXM3018	289	279	490
20	TXM3020	318	308	540

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	50A	2	● JTJ302B	7g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PP (T = 0.5mm)	100m	740g
● TRC23			PVC (T = 0.5mm)	5m	24g
● TRC23L100			PP (T = 0.5mm)	100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

80A

800V

2 - 15 Poles

RoHS 10

3.5, 5.5, 8, 14 mm²

M5

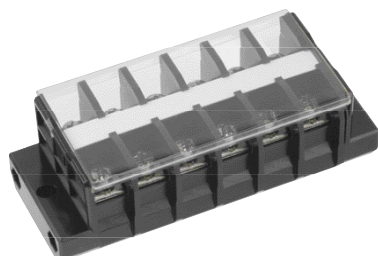
Standard Screw

With Cover and Seal for Legend

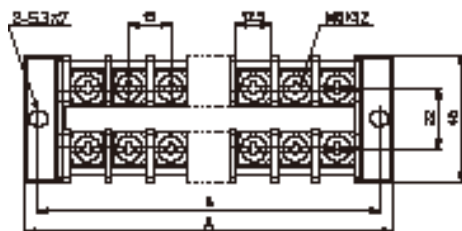
UL 

TÜV  CE 

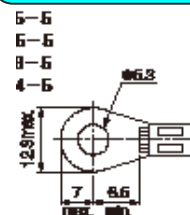
TXM50



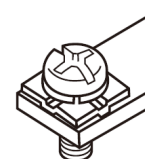
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw



Specifications

Dielectric strength voltage	800V
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A 14mm ² —80A
Terminal screw	M5×12  セルフアップ
Tightening torque	2.2~2.8N・m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
 ※The current value with heat-resistant wire: 82A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM5002	58	48	92
3	● TXM5003	73	63	117
4	● TXM5004	88	78	142
5	TXM5005	103	93	168
6	● TXM5006	118	108	193

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
8	● TXM5008	148	138	243
9	● TXM5009	163	153	268
10	TXM5010	178	168	293
12	● TXM5012	208	198	343
15	TXM5015	253	243	418

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1 pc	Included Q'ty
	15mm	With Coating (Bending)	80A	2	● JTJ802B	10g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PVC (T = 0.5mm)	100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100			PP (T = 0.5mm)	100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

90A

800V

2 - 18 Poles

RoHS 10

5.5, 8, 14, 22 mm²

M6

Standard Screw with Round Washer

With Cover and Seal for Legend

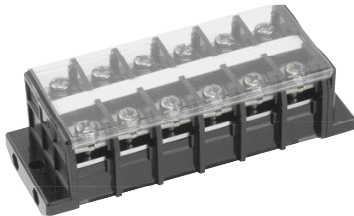
UL 

CSA 

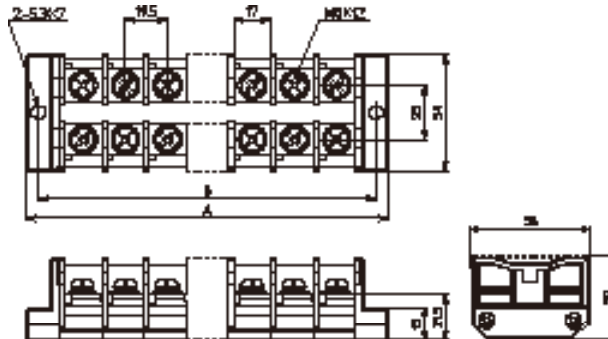
TÜV 

CE 

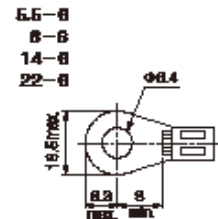
TXM60



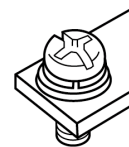
Appearance diagram (Unit:mm)



Applicable crimping terminals



Standard Screw with Round Washer



Specifications

Dielectric strength voltage	800V
Applicable wires	5.5mm ² —40A
Maximum current	8mm ² —50A
(In case of crimping connection)	14mm ² —70A 22mm ² —90A
Terminal screw	M6 × 12  Standard Screw with Round Washer
Tightening torque	4~5N·m
Flame retardance grade	UL94V-0

※ Regarding the ratings compliant to overseas standards, please refer to [this page](#).
 ※ The current value with heat-resistant wire: 100A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM6002	69	58	115
3	● TXM6003	88.5	77.5	155
4	● TXM6004	108	97	195
5	● TXM6005	127.5	116.5	240
6	● TXM6006	147	136	280
8	● TXM6008	186	175	365
9	● TXM6009	205.5	194.5	410

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
10	● TXM6010	225	214	450
12	● TXM6012	264	253	535
15	● TXM6015	322.5	311.5	660
16	● TXM6016	342	331	691
17	● TXM6017	361.5	350.5	732
18	● TXM6018	381	370	773

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1 pc	Included Q'ty
	19mm	With Coating (Bending)	90A	2	● JTJ602B	15g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

130A

1000V

2 - 15 Poles

RoHS 10

22, (30), 38 mm²

M8

⊕ Hex Bolt

With Cover and Seal for Legend

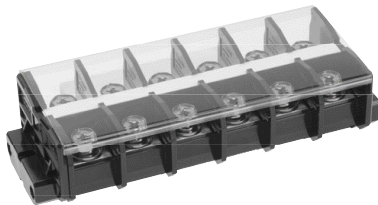
UL 

CSA 

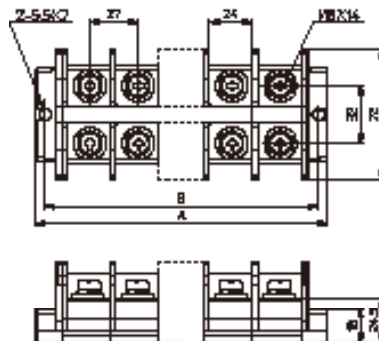
TÜV 

CE 

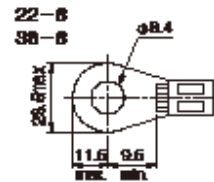
TXM100



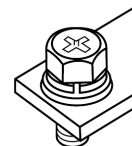
Appearance diagram (Unit:mm)



Applicable crimping terminals



⊕ Hex Bolt



Specifications

Dielectric strength voltage	1000V
Applicable wires	22mm ² —90A
Maximum current (In case of crimping connection)	(30mm ² —110A) 38mm ² —130A
Terminal screw	M8×14 ⊕ Hex Bolt
Tightening torque	8~10N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
 ※The current value with heat-resistant wire: 159A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM10002	84	73	220
3	● TXM10003	111	100	310
4	● TXM10004	138	127	400
6	● TXM10006	192	181	580
8	TXM10008	246	235	755

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
9	TXM10009	273	262	845
10	TXM10010	300	289	935
12	TXM10012	354	343	1120
15	● TXM10015	435	424	1380

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

■ Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	26mm	With Coating (Bending)	130A	2	● JTJ1002B	34g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

175A

1000V

2 - 15 Poles

RoHS 10

22, (30), 38, 60 mm²

M8

⊕ Hex Bolt

With Cover and Seal for Legend

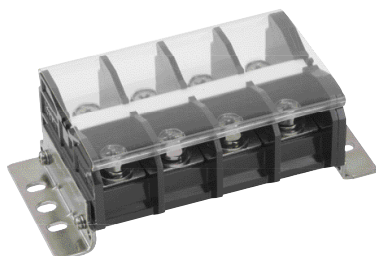
UL 

CSA 

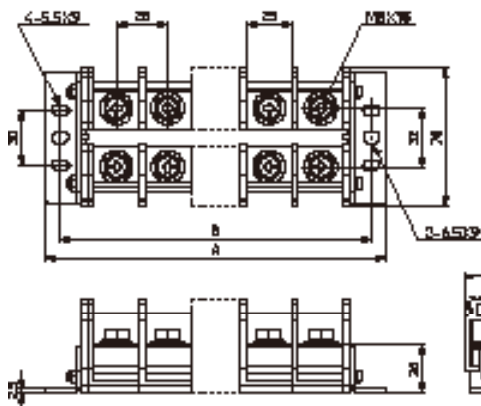
TÜV 

CE 

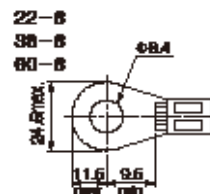
TXM150



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Dielectric strength voltage	1000V
Applicable wires	22mm ² —90A
Maximum current	(30mm ² —110A)
(In case of crimping connection)	38mm ² —130A
	60mm ² —175A
Terminal screw	M8×16 ⊕
Tightening torque	8~10N·m
Flame retardance grade	UL94V-0

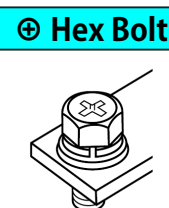
※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 230A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM15002	102	86	265
3	● TXM15003	130	114	370
4	● TXM15004	158	142	470
6	● TXM15006	214	198	680
8	TXM15008	270	254	885

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
9	TXM15009	298	282	990
10	● TXM15010	326	310	1095
12	TXM15012	382	366	1300
15	TXM15015	466	450	1610

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.



■ Applicable Accessories

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

240A

1000V

2 - 12 Poles

RoHS 10

60, (80), 100 mm²

M10

⊕ Hex Bolt

With Cover and Seal for Legend

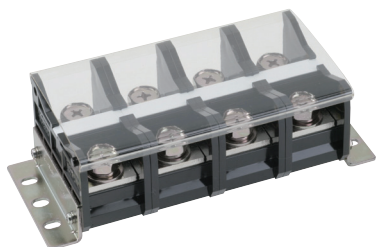
UL 

CSA 

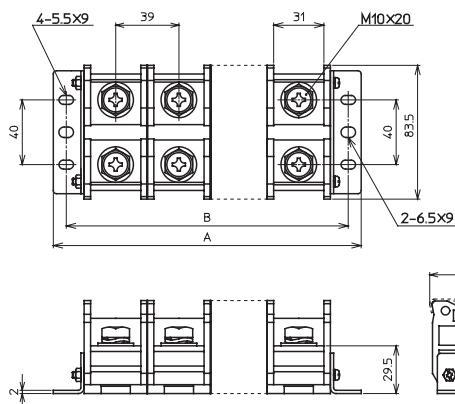
TÜV 

CE 

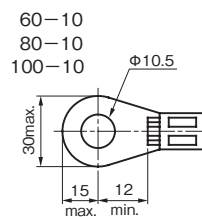
TXM200



Appearance diagram (Unit:mm)



Applicable cramping terminals



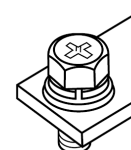
Specifications

Dielectric strength voltage	1000V
Applicable wires	60mm ² - 175A
Maximum current (In case of crimping connection)	(80mm ² - 210A) 100mm ² - 240A
Terminal screw	M10×20 ⊕ Hex Bolt
Tightening torque	15~20N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 315A

⊕ Hex Bolt



Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM20002	116	100	470
3	● TXM20003	155	139	660
4	● TXM20004	194	178	850
6	● TXM20006	272	256	1230

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
9	● TXM20009	389	373	1780
10	● TXM20010	428	412	1990
12	● TXM20012	506	490	2370

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

400A

1000V

2 - 6 Poles

RoHS 10

150, 200, 150x2 mm²

M12

Hex Bolt

With Cover and Seal for Legend

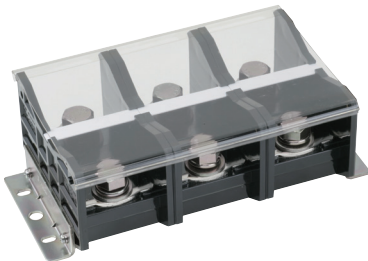
UL 

CSA 

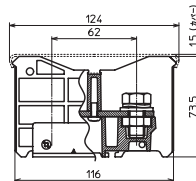
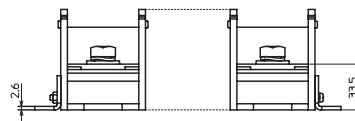
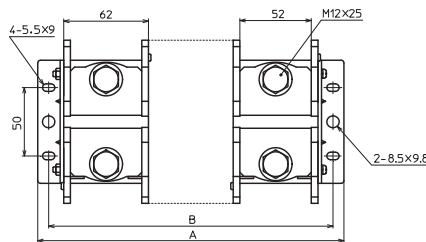
TÜV 

CE 

TXM400

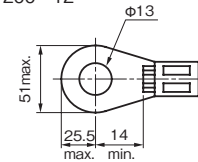


Appearance diagram (Unit:mm)



Applicable crimping terminals

150-12
200-12



Specifications

Dielectric strength voltage	1000V
Applicable wires	150mm ² - 310A
Maximum current (In case of crimping connection)	200mm ² - 400A 150mm ² x 2 - 500A
Terminal screw	M12 x 25 Hex Bolt
Tightening torque	25 ~ 35 N·m
Flame retardance grade	UL94V-0

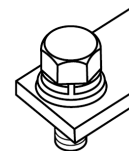
※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 505A (200mm²)、785A (150mm²x2)

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXM40002	162	146	964
3	● TXM40003	224	208	1366
4	● TXM40004	286	270	1778
6	● TXM40006	410	394	2692

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Hex Bolt



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

600A

1000V

2 - 6 Poles

RoHS 10

200, 250, 325 mm²

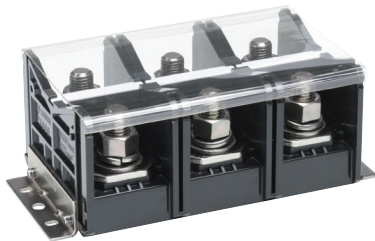
M16

Stud

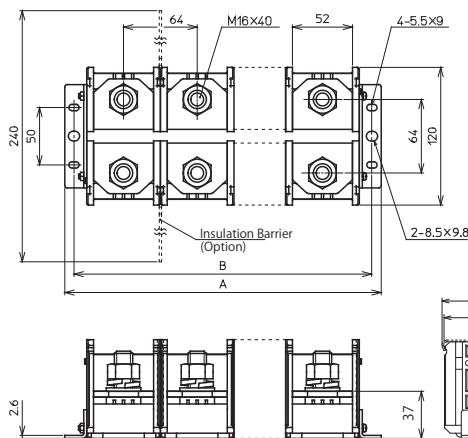
With Cover and Seal for Legend

CE 

TXM600-N



Appearance diagram (Unit:mm)

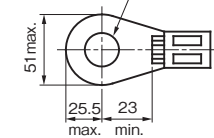


Applicable crimping terminals

200—16

250—16

325—16



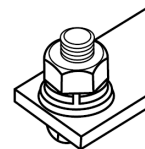
Specifications

Dielectric strength voltage	1000V
Applicable wires	200mm ² —400A
Maximum current (In case of crimping connection)	250mm ² —500A 325mm ² —600A
Terminal screw	M16×40 Stud
Tightening torque	70~90N·m
Flame retardance grade	UL94V-0

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXM60002N	166	150	1480
3	TXM60003N	230	214	2140
4	TXM60004N	294	278	2800
5	TXM60005N	358	342	3460
6	TXM60006N	422	406	4120

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

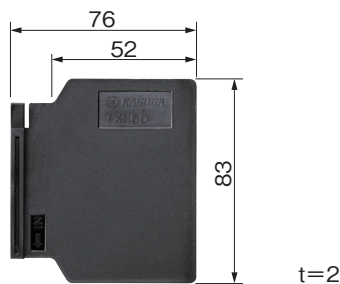
Stud



Applicable Accessories

Insulation Barrier

Product Name	Rough Weight per 1 sheet	Included number
TXH60	12g	2 sheets



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

800A (200mm² x2)

1000V

1 - 6 Poles

RoHS 10

200, 250, 325, 200 x 2 mm²

M16

Stud (with Guide)

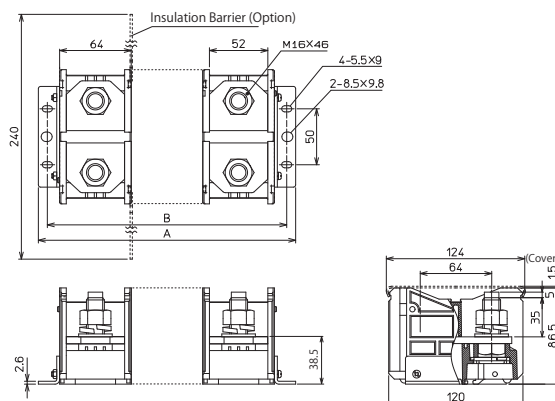
With Cover and Seal for Legend

CE 

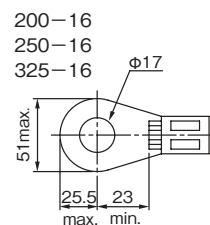
TXM800-N



Appearance diagram (Unit:mm)



Applicable crimping terminals



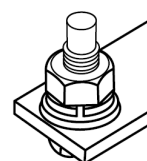
Specifications

Dielectric strength voltage	1000V
Applicable wires	200mm ² - 400A
Maximum current (In case of crimping connection)	250mm ² - 500A 325mm ² - 600A 200mm ² x 2 - 800A
Terminal screw	M16 x 46 Stud (with Guide)
Tightening torque	70~90N·m
Flame retardance grade	UL94V-0

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
1	TXM80001N	102	86	970
2	TXM80002N	166	150	1790
3	TXM80003N	230	214	2620
4	TXM80004N	294	278	3450
5	TXM80005N	358	342	4280
6	TXM80006N	422	406	5100

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

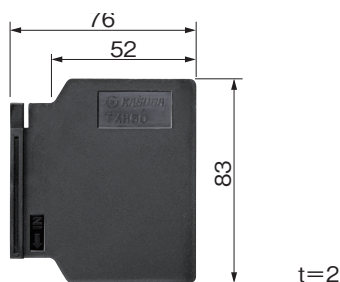
Stud (with Guide)



Applicable Accessories

Insulation Barrier

Product Name	Rough Weight per 1 sheet	Included number
TXH60	12g	2 sheets



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

T X M
Series

1000A (325mm² x2)

1000V

1 - 6 Poles

RoHS 10

250, 325, 200 x 2, 325 x 2 mm²

M16

Stud (with Guide)

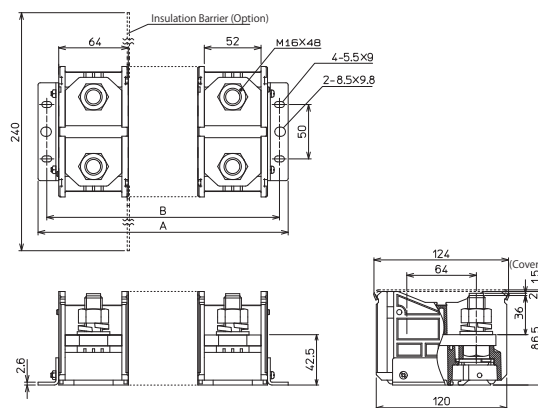
With Cover and Seal for Legend

CE 

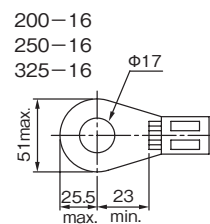
TXM1000-N



Appearance diagram (Unit:mm)



Applicable crimping terminals



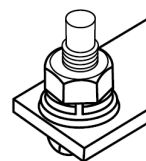
Specifications

Dielectric strength voltage	1000V
Applicable wires	250mm ² - 500A
Maximum current (In case of crimping connection)	325mm ² - 600A 200mm ² x 2 - 800A 325mm ² x 2 - 1000A
Terminal screw	M16 x 48 Stud (with Guide)
Tightening torque	70~90N·m
Flame retardance grade	UL94V-0

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
1	TXM100001N	102	86	1050
2	TXM100002N	166	150	1950
3	TXM100003N	230	214	2860
4	TXM100004N	294	278	3770
5	TXM100005N	358	342	4680
6	TXM100006N	422	406	5580

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

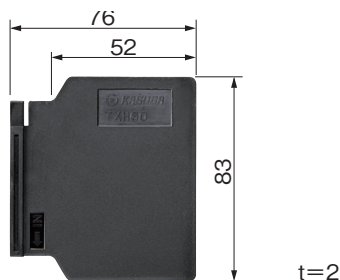
Stud (with Guide)



■ Applicable Accessories

Insulation Barrier

Product Name	Rough Weight per 1 sheet	Included number
● TXH60	12g	2 sheets



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

15A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25 mm²

M3

Spring-loaded

With Cover and Seal for Legend

UL

CSA

TÜV

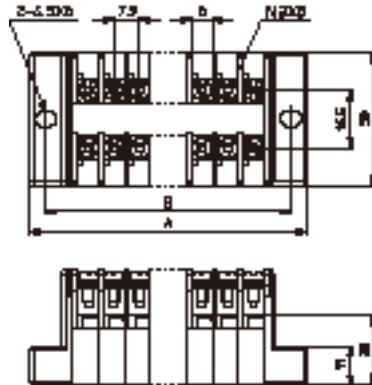
CE

CE

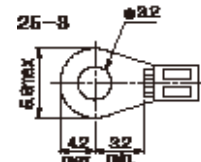
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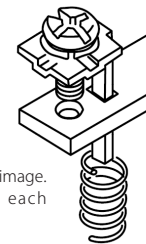
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A
Terminal screw	M3×8 ♂ Spring-loaded
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0

※ Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※ The current value with heat-resistant wire: 18A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXUM702	38.6	29.6	30
3	TXUM703	45.9	36.9	40
4	TXUM704	53.2	44.2	50
5	TXUM705	60.5	51.5	60
6	TXUM706	67.8	58.8	70
8	TXUM708	82.4	73.4	90
10	TXUM710	97	88	110
12	TXUM712	111.6	102.6	125
14	TXUM714	126.2	117.2	145

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TXUM715	133.5	124.5	155
16	TXUM716	140.8	131.8	165
18	TXUM718	155.4	146.4	185
20	TXUM720	170	161	205
22	TXUM722	184.6	175.6	220
24	TXUM724	199.2	190.2	240
25	TXUM725	206.5	197.5	250
30	TXUM730	243	234	300

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	7.3mm	Without Coating	20A	6	● TJ762A	2.5g	10 pcs
		With Coating		20	● TJ7202A	8.5g	10 pcs
				2	● TJ722B	0.9g	10 pcs
				6	● TJ762B	3g	10 pcs
				20	● TJ7202B	10g	10 pcs
		Without Coating (Bending)		6	● TJ762C	2.5g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
TRC22			PVC (T = 0.5mm)	5m	37g
TRC22L100			PP (T = 0.5mm)	100m	740g
TRC23				5m	24g
TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

20A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3

Spring-loaded

With Cover and Seal for Legend

UL

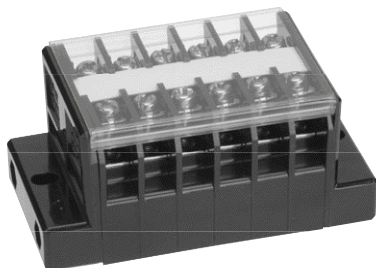
CSA

TÜV

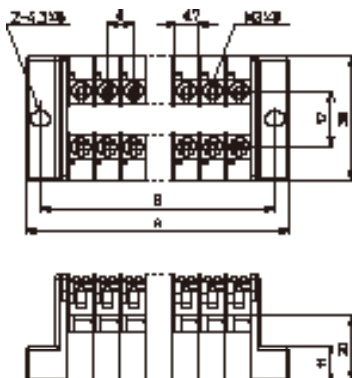
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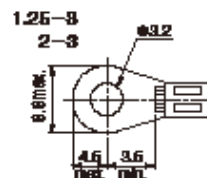
TXUM10SM3



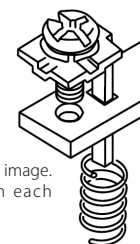
Appearance diagram (Unit:mm)



Applicable cramping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A* 2mm ² - 20A
Terminal screw	M3×8 ± Spring-loaded
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0

※ Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※ The current value with heat-resistant wire: 18A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXUM10SM302	40	31	34
3	TXUM10SM303	48	39	43
4	TXUM10SM304	56	47	53
5	TXUM10SM305	64	55	63
6	TXUM10SM306	72	63	73
8	TXUM10SM308	88	79	93
10	TXUM10SM310	104	95	113
12	TXUM10SM312	120	111	130
14	TXUM10SM314	136	127	150

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TXUM10SM315	144	135	160
16	TXUM10SM316	152	143	170
18	TXUM10SM318	168	159	190
20	TXUM10SM320	184	175	210
22	TXUM10SM322	200	191	225
24	TXUM10SM324	216	207	245
25	TXUM10SM325	224	215	255
30	TXUM10SM330	264	255	305

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
		With Coating		20	● TJ1204A	9.5g	10 pcs
				2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
				6	● TJ164C	3g	10 pcs
	16mm (Every 2-pole)	Without Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs
		With Coating (Bending)		8	● JTJ084BB	3.5g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
TRC22			PVC (T = 0.5mm)	5m	37g
TRC22L100				100m	740g
TRC23			PP (T = 0.5mm)	5m	24g
TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

20A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3.5

Spring-loaded

With Cover and Seal for Legend

UL

CSA

TÜV

CE

CE

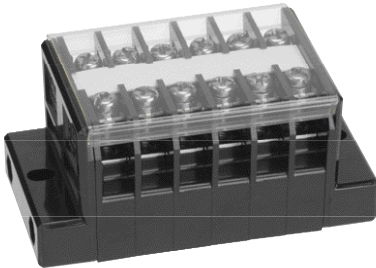
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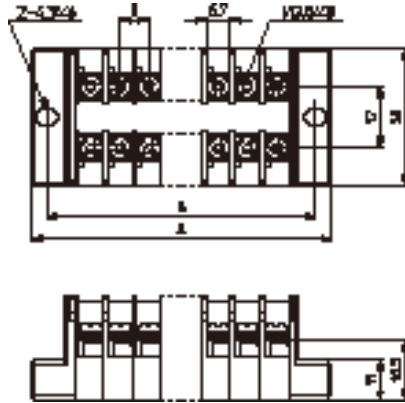
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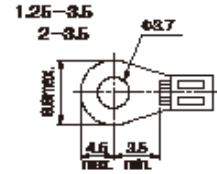
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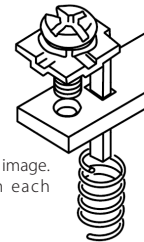
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal screw	M3.5 × 8 ± Spring-loaded
Tightening torque	1.0 ~ 1.3N·m
Flame retardance grade	UL94V-0

※ Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※ The current value with heat-resistant wire: 25A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXUM10S02	40	31	35
3	TXUM10S03	48	39	45
4	TXUM10S04	56	47	55
5	TXUM10S05	64	55	65
6	TXUM10S06	72	63	75
8	TXUM10S08	88	79	95
10	TXUM10S10	104	95	115
12	TXUM10S12	120	111	135
14	TXUM10S14	136	127	155
15	TXUM10S15	144	135	165
16	TXUM10S16	152	143	175
18	TXUM10S18	168	159	195
20	TXUM10S20	184	175	215
22	TXUM10S22	200	191	230
24	TXUM10S24	216	207	250
25	TXUM10S25	224	215	260
30	TXUM10S30	264	255	310

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty	
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs	
		With Coating		20	● TJ1204A	9.5g	10 pcs	
				2	● JTJ124BB	1g	10 pcs	
				6	● TJ164B	3.5g	10 pcs	
				20	● TJ1204B	11.5g	10 pcs	
				6	● TJ164C	3g	10 pcs	
	16mm (Every 2-pole))	Without Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs	
		With Coating (Bending)		8	● JTJ084BB	3.5g	10 pcs	

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
TRC22			PVC (T = 0.5mm)	5m	37g
TRC22L100			PP (T = 0.5mm)	100m	740g
TRC23				5m	24g
TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

20A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3.5

Spring-loaded

With Cover and Seal for Legend

UL

CSA

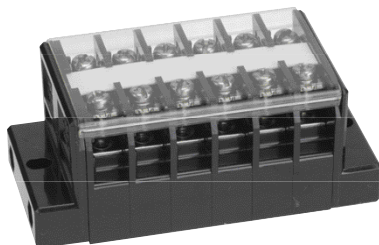
SP

TÜV

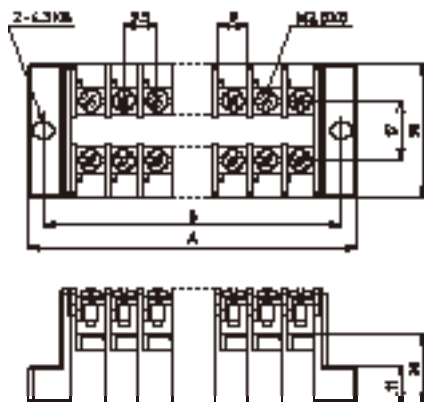
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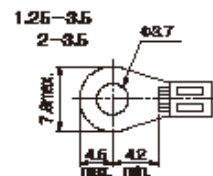
TXUM10



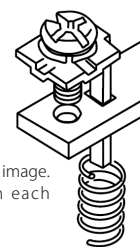
Appearance diagram (Unit:mm)



Applicable cramping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specifications

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal screw	M3.5×8 ± Spring-loaded
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 25A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXUM1002	43	34	35
3	● TXUM1003	52.5	43.5	45
4	● TXUM1004	62	53	55
5	TXUM1005	71.5	62.5	65
6	● TXUM1006	81	72	75
8	● TXUM1008	100	91	95
10	TXUM1010	119	110	120
12	● TXUM1012	138	129	140
14	TXUM1014	157	148	160

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TXUM1015	166.5	157.5	170
16	TXUM1016	176	167	180
18	TXUM1018	195	186	200
20	● TXUM1020	214	205	220
22	TXUM1022	233	224	240
24	TXUM1024	252	243	260
25	TXUM1025	261.5	252.5	270
30	TXUM1030	309	300	320

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	9.5mm	Without Coating	20A	6	● TJ162A	3.5g	10 pcs
				20	● TJ1202A	10.5g	10 pcs
		With Coating		2	● JT122BB	1g	10 pcs
				6	● TJ162B	4g	10 pcs
	19mm (1極飛び)	Without Coating (Bending)		20	● TJ1202B	12g	10 pcs
		With Coating (Bending)		6	● TJ162C	3.5g	10 pcs
				2	● TJ022BB	1.5g	10 pcs
				8	● JT082BB	3.5a	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

40A

800V

2 - 30 Poles

RoHS 10

1.25, 2, 3.5, 5.5 mm²

M4

Spring-loaded

With Cover and Seal for Legend

UL

CSA

TÜV

CE

CE

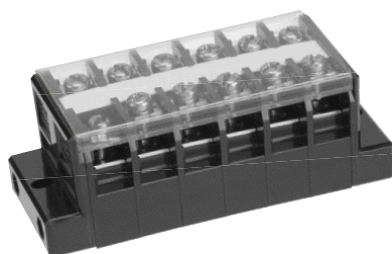
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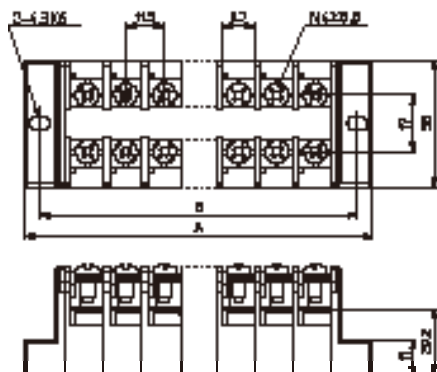
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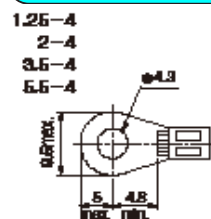
TXUM20



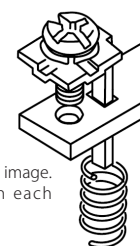
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specifications

Dielectric strength voltage	800V
Applicable wires	1.25mm ² - 15A
Maximum current (In case of crimping connection)	2mm ² - 20A 3.5mm ² - 30A 5.5mm ² - 40A
Terminal screw	M4×8.5 ± Spring-loaded
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※The current value with heat-resistant wire: 45A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXUM2002	47	38	40
3	● TXUM2003	58.5	49.5	55
4	● TXUM2004	70	61	70
5	● TXUM2005	81.5	72.5	85
6	● TXUM2006	93	84	100
8	● TXUM2008	116	107	125
10	● TXUM2010	139	130	155
12	● TXUM2012	162	153	180
14	TXUM2014	185	176	210

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TXUM2015	196.5	187.5	225
16	TXUM2016	208	199	240
18	TXUM2018	231	222	265
20	● TXUM2020	254	245	295
22	TXUM2022	277	268	320
24	TXUM2024	300	291	350
25	TXUM2025	311.5	302.5	365
30	TXUM2030	369	360	435

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11.5mm	Without Coating	30A	6	● TJ262A	5g	10 pcs
		With Coating		2	● TJ222B	2g	10 pcs
		Without Coating (Bending)		6	● TJ262B	6g	10 pcs
				6	● TJ262C	5g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

50A

800V

2 - 20 Poles

RoHS 10

3.5, 5.5, 8 mm²

M5

Spring-loaded

With Cover and Seal for Legend

UL

CSA

TÜV

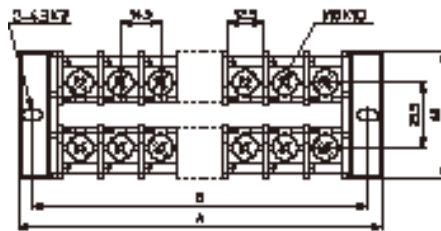
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CE

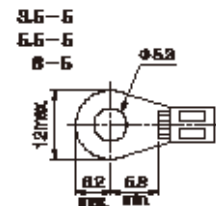
TXUM30



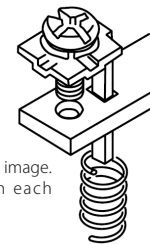
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specifications

Dielectric strength voltage	800V
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A
Terminal screw	M5×10 ± Spring-loaded
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※The current value with heat-resistant wire: 54A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TXUM3002	57	47	80
3	● TXUM3003	71.5	61.5	110
4	● TXUM3004	86	76	135
6	● TXUM3006	115	105	190
8	TXUM3008	144	134	245

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
10	TXUM3010	173	163	305
12	● TXUM3012	202	192	360
15	TXUM3015	245.5	235.5	440
18	TXUM3018	289	279	525
20	TXUM3020	318	308	860

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	50A	2	● JTJ302B	7g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PP (T = 0.5mm)	100m	740g
● TRC23				5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

80A

800V

2 - 15 Poles

RoHS 10

3.5, 5.5, 8, 14 mm²

M5

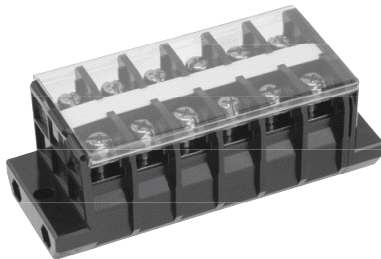
Spring-loaded

With Cover and Seal for Legend

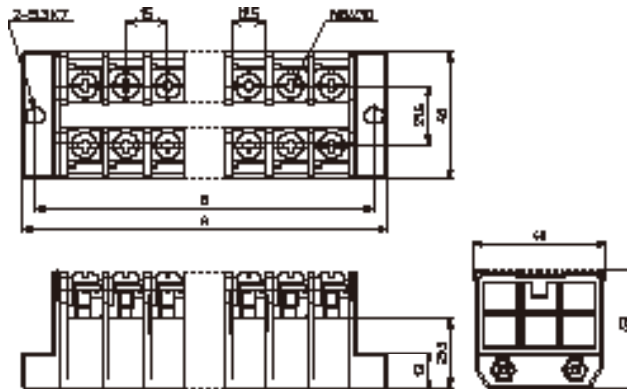
UL 

TÜV  CE 

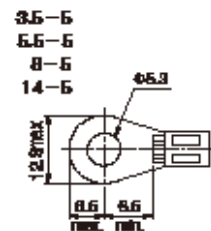
TXUM50



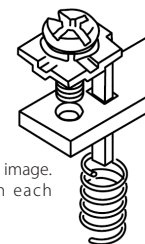
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



Specifications

Dielectric strength voltage	800V
Applicable wires	3.5mm ² —30A
Maximum current	5.5mm ² —40A
(In case of crimping connection)	8mm ² —50A 14mm ² —80A
Terminal screw	M5×10  Spring-loaded
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
 ※The current value with heat-resistant wire: 82A

The figure of a spring is an image.
Its real figure differs in each product.

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXUM5002	58	48	95
3	● TXUM5003	73	63	123
4	● TXUM5004	88	78	152
5	TXUM5005	109	93	180
6	● TXUM5006	118	108	208
8	TXUM5008	148	138	236
9	TXUM5009	163	153	265
10	TXUM5010	178	168	293
12	TXUM5012	208	198	350
15	TXUM5015	253	243	435

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	80A	2	● JTJ802B	10g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PP (T = 0.5mm)	100m	740g
● TRC23				5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

90A

800V

2 - 15 Poles

RoHS 10

5.5, 8, 14, 22 mm²

M6

Spring-loaded

With Cover and Seal for Legend

UL



CSA



TÜV



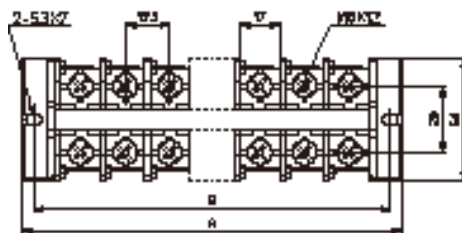
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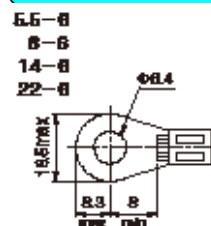
TXUM60



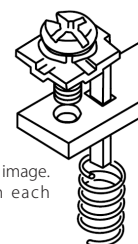
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



Specifications

Dielectric strength voltage	800V
Applicable wires	5.5mm ² —40A
Maximum current (In case of crimping connection)	8mm ² —50A 14mm ² —70A 22mm ² —90A
Terminal screw	M6×12 ± Spring-loaded
Tightening torque	4~5N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).

※The current value with heat-resistant wire: 100A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXUM6002	69	58	130
3	● TXUM6003	88.5	77.5	180
4	● TXUM6004	108	97	235
5	TXUM6005	127.5	116.5	285
6	● TXUM6006	147	136	335

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
8	TXUM6008	186	175	440
9	TXUM6009	205.5	194.5	490
10	TXUM6010	225	214	540
12	TXUM6012	264	253	645
15	TXUM6015	322.5	311.5	800

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	19mm	With Coating (Bending)	90A	2	● JTJ602B	15g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Assembled
Terminal Block

TXUM
Series

130A

1000V

2 - 15 Poles

RoHS 10

22, (30), 38 mm²

M8

Spring-loaded

With Cover and Seal for Legend

UL 

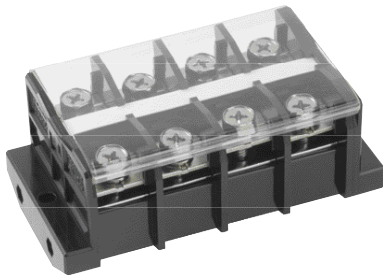
CSA 

TÜV 

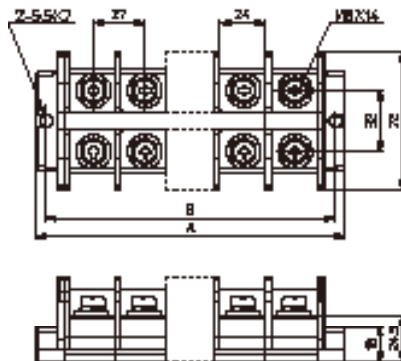
CE 

CE 

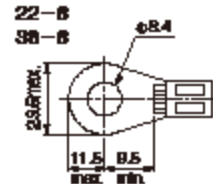
TXUM100



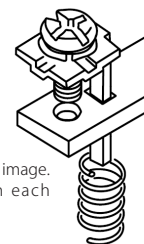
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specifications

Dielectric strength voltage	1000V
Applicable wires	22mm ² —90A
Maximum current (In case of crimping connection)	(30mm ² —110A) 38mm ² —130A
Terminal screw	M8×15 ⊕ Spring-loaded
Tightening torque	8~10N·m
Flame retardance grade	UL94V-0

※ Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※ The current value with heat-resistant wire: 159A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TXUM10002	84	73	240
3	TXUM10003	111	100	330
4	TXUM10004	138	127	425
6	TXUM10006	192	181	610
8	TXUM10008	246	235	800

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
9	TXUM10009	273	262	890
10	TXUM10010	300	289	985
12	TXUM10012	354	343	1170
15	TXUM10015	435	424	1450

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	26mm	With Coating (Bending)	130A	2	● JTJ1002B	34g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PP (T = 0.5mm)	100m	740g
● TRC23			PVC (T = 0.5mm)	5m	24g
● TRC23L100			PP (T = 0.5mm)	100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TFPM Series

Product Line-up/ Common Specifications/ Materials

Finger protection Assembled Terminal Block

Product Line-up

■ Finger protection Assembled Terminal block

This is a panel-mount finger protection terminal block assembled with a shaft. Its finger-protect structure eliminates exposure of live parts, making it ideal when enhanced safety is required. A wide range of standard pole counts is available, allowing for economical selection. A globally compliant product certified to cULus and TÜV standards. In addition, it meets UL field wiring requirements and is certified by TÜV for IP20 protection. The degree of protection according to IEC 60529 is IP20. The body color of the terminal block is gray.

Abstract	Rated Insulation Voltage	Ratings ^{Note1}	Terminal screw ^{Note2}	Standard Poles	Basic type name
A finger-protect type terminal block compliant with UL field wiring requirements and TÜV IP20 standards. The body color is gray.	800V	1.25mm ² [15A]	M3×8 ⊕ Spring-loaded screw terminal	2~30P	TFPM15
		2mm ² [20A]	M3.5×8 ⊕ Spring-loaded screw terminal		TFPM20
		5.5mm ² [40A]	M4×8.5 ⊕ Spring-loaded screw terminal	2~20P	TFPM40
		14mm ² [80A]	M5×10 ⊕ Spring-loaded screw terminal	2~15P	TFPM80

Note1 Ratings are recommended values with usage in compliance to JIS standards.

Note2 As for the Symbols in Terminal screw columns, ⊕ is plus/minus screw.

Common Specifications

Operational Ambience Temperature Range	-25~+55°C (without Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	2500V 1 Min.
Impulse Withstanding Voltage	6000V(TFPM15, TFPM20) ^{Note1} 8000V(TFPM40, TFPM80)
Conformed Standards	JIS C8201-7-1 ^{Note2} , NECA C2811 (JIS C2811) ^{Note3} UL1059, EN/IEC 60947-7-1

Materials

Name	Materials	Flame retardance grade
Terminal Base	Polycarbonate	UL94V-0
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Brass (Nickel plating)	—
Seal for legends	Polypropylene	—

Note 1: When the crimped section of the solderless terminal is insulated, the Impulse Withstanding voltage becomes 8,000 V.

Note 2: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 3: NECA C2811 is a standard conforming to the contents of JIS C2811.

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL/cULus

TFPM series Terminal blocks are certified products by cULus.
The ratings in using products as the cULus conformed ones are as shown below:

 File No.:E114903

Product Name ^{Note3}	UL Standard (UL1059)						cULus Standard (CSA Standard C22-2 No.158)			
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} (AWG/MCM)	Tightening Torque (N·m)
			Single wire	Stranded wire						
TFPM15	600	10	20~16	20~16	2	0.9	600	10	20~16	0.9
TFPM20	600	20	20~14	*20~14	2	1.3	600	20	20~*14	1.3
TFPM20+	600	15	20~14	20~14	2	1.3	—	—	—	—
TFPM40	600	30	18~10	*18~10	2	1.8	600	30	18~*10	1.8
TFPM40+	600	25	18~12	18~12	2	1.8	—	—	—	—
TFPM80	600	65	16~6	*16~6	2	2.7	600	65	16~*6	2.7
TFPM80+	600	30	14~12	—	2	2.7	—	—	—	—
TNC10	300	15	20~14	20~16	2	1.3	—	—	—	—
						0.9	—	—	—	—
TNC40	600	30	16~10	16~10	2	1.8	—	—	—	—

Note1: The above list applies to connection by bare copper or by crimp terminals. As for Applicable Wires, however, values with * are only for connection by crimp terminals. Please use only crimp terminals with UL or cULus conformance.

Note2: FW1: Wirings at factory, FW2: Wirings at factory and in-field

Note3: As for TFPM20, TFPM40 and TFPM80 used without crimp terminals, apply ratings for the product names with (+) at the end.

Note4: If products are used at UL Ratings, connect only one wire to one terminal.

■ The Ratings used as conforming products to EN/IEC

The TFPM series terminal blocks are certified by TÜV, an international third-party certification organization, to conform to EN/IEC standards, enabling smoother verification of CE marking compliance for machinery.
The ratings when used as EN/IEC-compliant products are as follows:

 License No.: R2050847, R2050848, R9551560 

Product Name	Ratings Voltage (V)	Impulse Withstanding Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		Tightening torque (N·m)	Connectable Wires	Protection Grade ^{IP_{hous}}
				Single wire	Stranded wire			
TFPM15	600	6000	15	20~16 (0.5-1.5mm ²)	20~16 (0.5-1.5mm ²)	0.9	1 or 2	IP20
TFPM20	600	6000	20	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	1.3	1 or 2	IP20
TFPM40	600	6000	40	18~10 (0.75-6mm ²)	18~10 (0.75-6mm ²)	1.8	1 or 2	IP20
TFPM80	600	6000	60	16~10 (1.5-6mm ²)	16~8 (1.5-10mm ²)	2.8	1 or 2	IP20
			80	—	*6 (16mm ²)			

Note 1: The above table applies to both bare copper wire connections and crimp terminal connections. However, wire types marked with an asterisk (*) are for crimp terminal connections only.

Please note the following points:

For crimp terminal connections: Use insulated crimp terminals, or insulate bare crimp terminals with sleeves, tubes, or tape.

When connecting two bare wires: Use wires of the same size and type (solid or stranded). Do not connect wires of different sizes or types.

Note 2: The TFPM series are compliant with IP20 protection for both the screw head side and the wire insertion side. However, when using wire terminals, always ensure insulation by using insulated crimp terminals or applying insulation to bare crimp terminals with sleeves, tubes, or similar materials.

Finger Protection
Assembled
Terminal Block

TFPM
Series

15A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25 mm²

M3

Spring-loaded

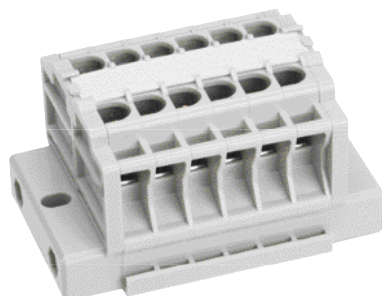
With Seal for Legend

cULus c  us

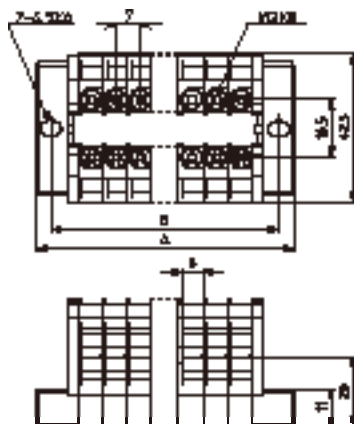
TÜV  Rheinland

CE  

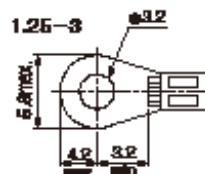
TFPM15



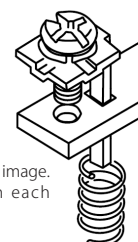
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specification

Dielectric strength voltage	800V
Applicable wires	0.75mm ² —10A
Maximum current (In case of crimping connection)	1.25mm ² —15A
Terminal screw	M3×8  Spring-loaded
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※The current value with heat-resistant wire: 19A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TFPM1502	38	29	32
3	TFPM1503	45	36	40
4	TFPM1504	52	43	48
6	TFPM1506	66	57	64
8	TFPM1508	80	71	80
10	TFPM1510	94	85	97
12	TFPM1512	108	99	113
14	TFPM1514	122	113	129

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TFPM1515	129	120	137
16	TFPM1516	136	127	146
18	TFPM1518	150	141	162
20	TFPM1520	164	155	178
22	TFPM1522	178	169	194
24	TFPM1524	192	183	201
25	TFPM1525	199	190	210
30	TFPM1530	234	225	253

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	7mm	With Coating	20A	2	● TJ723B	0.8g	10 pcs
				6	● TJ763B	2.8g	10 pcs
				20	● TJ7203B	9.8g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PP (T = 0.5mm)	100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100			PP (T = 0.5mm)	100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Finger Protection
Assembled
Terminal Block

TFPM
Series

20A

800V

2 - 30 Poles

RoHS 10

0.75, 1.25, 2 mm²

M3.5

Spring-loaded

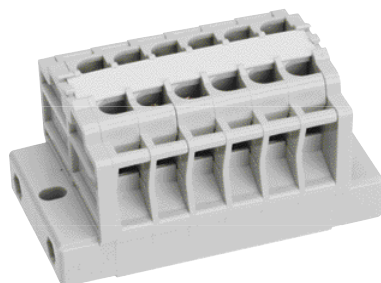
With Seal for Legend

cULus c  us

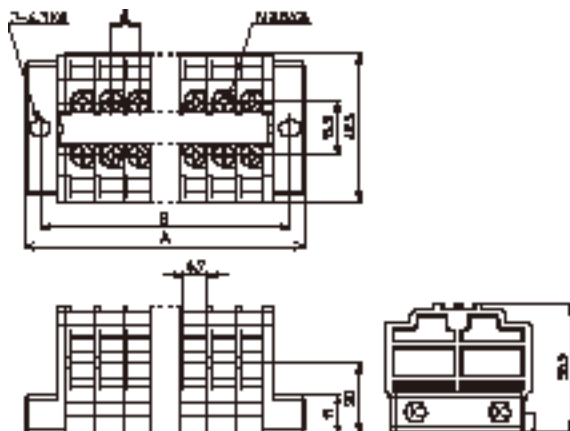
TÜV  Rheinland

CE 

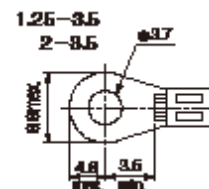
TFPM20



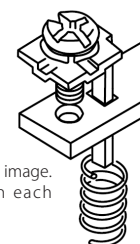
Appearance diagram (Unit:mm)



Applicable cramping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specification

Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal screw	M3.5×8  Spring-loaded
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※The current value with heat-resistant wire: 26A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TFPM2002	40	31	38
3	● TFPM2003	48	39	46
4	● TFPM2004	56	47	55
6	● TFPM2006	72	63	73
8	● TFPM2008	88	79	91
10	● TFPM2010	104	95	100
12	● TFPM2012	120	111	118
14	● TFPM2014	136	127	147

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
15	TFPM2015	144	135	156
16	● TFPM2016	152	143	165
18	● TFPM2018	168	159	195
20	TFPM2020	184	175	213
22	TFPM2022	200	191	231
24	TFPM2024	216	207	250
25	TFPM2025	224	215	260
30	TFPM2030	264	255	305

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	With Coating	20A	2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
	16mm (Every 2-pole)	With Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs
				8	● JTJ084BB	3.5g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Finger Protection
Assembled
Terminal Block

TFPM
Series

40A

800V

2 - 30 Poles

RoHS 10

1.25, 2, 3.5, 5.5 mm²

M4

Spring-loaded

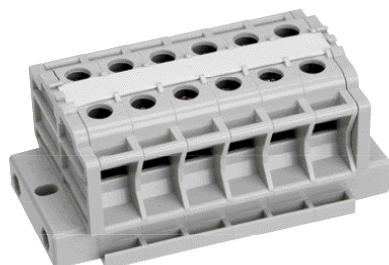
With Seal for Legend

cULus 

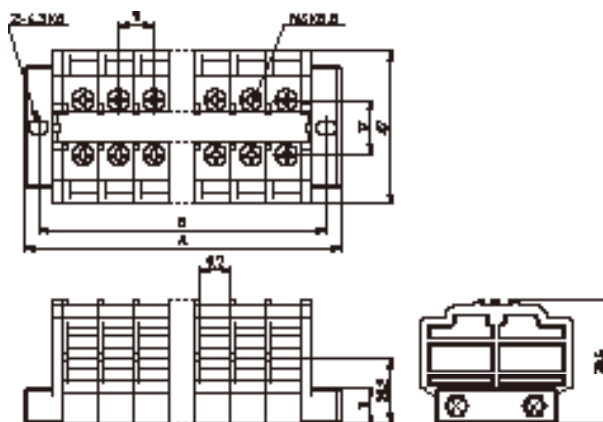
TÜV 

CE 

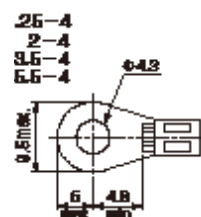
TFPM40



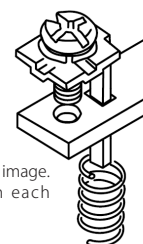
Appearance diagram (Unit:mm)



Applicable cramping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specification

Dielectric strength voltage	800V
Applicable wires	1.25mm ² —15A
Maximum current	2mm ² —20A
(In case of crimping connection)	3.5mm ² —30A
	5.5mm ² —40A
Terminal screw	M4×8.5 ± Spring-loaded
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0

※ Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※ The current value with heat-resistant wire: 48A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	● TFPM4002	46	37	50
3	● TFPM4003	57	48	64
4	● TFPM4004	68	59	78
6	TFPM4006	90	81	106
8	TFPM4008	112	103	134
10	TFPM4010	134	125	164

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
12	TFPM4012	156	147	194
14	TFPM4014	178	169	224
15	TFPM4015	189	180	240
16	● TFPM4016	200	191	255
18	TFPM4018	222	213	285
20	TFPM4020	244	235	315

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11mm	With Coating	40A	2	● JTJ224B	2g	10 pcs
				6	● JTJ264B	6g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Finger Protection
Assembled
Terminal Block

TFPM
Series

80A

800V

2 - 15 Poles

RoHS 10

3.5, 5.5, 8, 14 mm²

M5

Spring-loaded

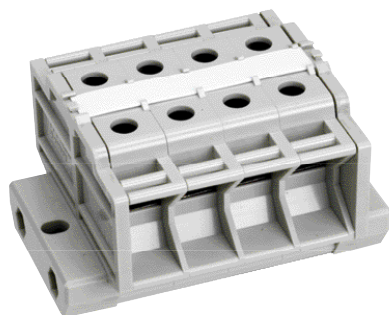
With Seal for Legend

cULus c  us

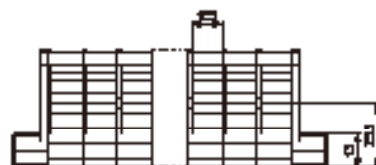
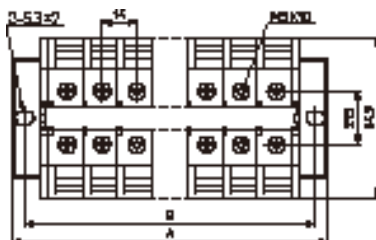
TÜV 

CE 

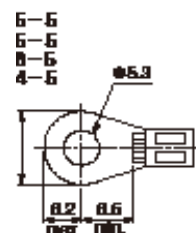
TFPM80



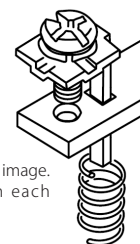
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image.
Its real figure differs in each
product.

Specification

Dielectric strength voltage	800V
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A 14mm ² —80A
Terminal screw	M5×10  Spring-loaded
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0

※Regarding the ratings compliant to overseas standards, please refer to [this page](#).
※The current value with heat-resistant wire: 80A

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
2	TFPM8002	56	46	93
3	TFPM8003	70	60	124
4	TFPM8004	84	74	155
6	TFPM8006	112	102	217
8	TFPM8008	140	130	279

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
10	TFPM8010	168	158	341
12	TFPM8012	196	188	403
14	TFPM8014	224	214	465
15	TFPM8015	238	228	496

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

■Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	80A	2	● JTJ802B	10g	10 pcs

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TQB Series

Product Line-up/ Common Specifications/ Materials

High-capacity Assembled Terminal block

Product Line-up

■ TQB series (Branch terminal block)

The TQB series is a high-capacity terminal block for branch connections.

Compared to conventional branch wiring using copper busbars, it reduces labor time by about one-sixth and installation space by approximately 15%.

When multiple poles are combined, the absence of side bases provides excellent space efficiency.

All models are rated considering the use of heat-resistant wires.

Abstract	Rating/Dielectric strength voltage	Ratings ^{Note}		Terminal screw		pitch	Standard Poles	Base Product Name
		Primary Side	Secondary Side	Primary Side	Secondary Side			
- Allows multiple branch connections in a compact space. - Reduces labor time for branch wiring. - Rated current is set considering the use of heat-resistant wires.	600V	22mm ² [90A]	5.5mm ² × 10 [40A] Sum : Max. 90A	M6 × 2 pos.	M4 × 5 pos.	50mm	1~4P	TQB60D
		60mm ² [175A]	Upper Tier: 8mm ² × 6 [50A] Lower Tier: 14mm ² × 8 [80A] Sum : Max. 175A	M8 × 2 pos. (Stud Type)	M5 × 7 pos.	60mm		TQB100D
		100mm ² [250A] 150mm ² [310A]	22mm ² × 8 [90A] 14mm ² × 6 [80A] Sum : Max. 310A	M10 × 2 pos. (Stud Type)	M6 × 4 pos. M5 × 3 pos.	77.5mm		TQB200D
		200mm ² [440A]	100mm ² × 4 [240A] 60mm ² × 2 [175A] 22mm ² × 4 [90A] Sum : Max. 440A	M12 × 2 pos. (Stud Type)	M10 × 2 pos. M8 × 1 pos. M6 × 2 pos. M4 × 1 pos. (For Voltage Meter)	112mm		TQB400D

Note: Ratings are recommended values with usage in compliance to JIS standards.

Common Specifications

Operational Ambience Temperature Range	—25~+55°C (without Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	2500V 1 Min.
Impulse Withstanding Voltage	6000V
Conformed Standards	JIS C8201-7-1 ^{Note1} , UL1059, EN/IEC60947-7-1, NECA C2811 (JIS C2811) ^{Note2}

Note 1: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 2: NECA C2811 is a standard conforming to the contents of JIS C2811.

Materials

Name	Materials	Flame retardance grade
Terminal Base	Modified PPO	UL94V-0
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Brass (Nickel plating) ^{Note}	—
Seal for legends	Polypropylene	—
Safety cover	Polycarbonate	UL94V-0
General-use cover	Polycarbonate	UL94V-2

Note TQB400D is Copper (Nickel plating).

Current-carrying Current for Heat-resistant Wires

Basic type name	With standard wire	With heat-resistant wire
TQB60D	90A	120A
TQB100D	175A	250A

Basic type name	With standard wire	With heat-resistant wire
TQB200D	310A	350A
TQB400D	440A	500A

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL.



File No.:E114903



Type	UL Standard (UL1059)					
	Product Name	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1}	FW ^{Note2}	Tightening torque
For Branching	TQB60D	600	85	Primary Side: AWG10~4 Secondary Side: AWG16~10	2	M6 : 4N•m M4 : 1.4N•m
	TQB100D	600	130	Primary Side: AWG8~1 Secondary Side: AWG12~6	2	M8 : 8N•m M5 : 2.2N•m
	TQB200D	600	230	Primary Side: AWG1/0~4/0 Secondary Side: M6 : AWG10~4 Secondary Side: M5 : AWG12~6	2	M10 : 15N•m M6 : 4N•m M5 : 2.2N•m
	TQB400D	600	335	Primary Side: 350~400 MCM Secondary Side: M10 : AWG1/0~4/0 Secondary Side: M8 : AWG4~1 Secondary Side: M6 : AWG10~4 Secondary Side: M4 : AWG14~10	2	M12 : 25N•m M10 : 15N•m M8 : 8N•m M6 : 4N•m M4 : 1.4N•m

Note1: Please use only crimp terminals with UL conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

High-capacity
Assembled
Branch Terminal
Block

TQB
Series

90A

600V

1 - 4 P, Max. 10 Branches

RoHS 10

Primary : 22, Secondary : 5.5 mm²

M6, M4, 50mm Pitch

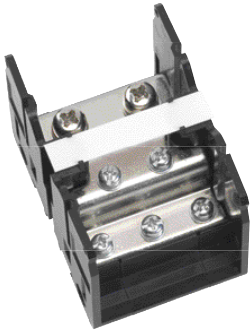
Standard Screw with Round Washer

With Seal for Legends, IEC35mm

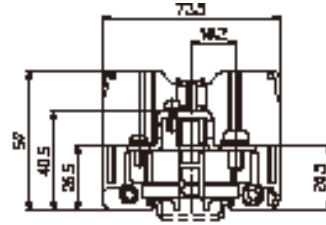
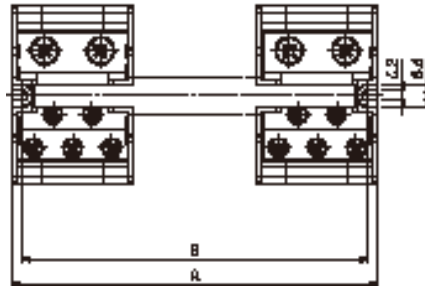
UL 

CE 

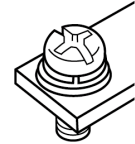
TQB60D



Appearance diagram (Unit:mm)



Standard Screw with Round Washer



Specification

Dielectric strength voltage	600V
Applicable wires Maximum current	Primary Side 22mm ² —90A
	Secondary Side 5.5mm ² —40A
Terminal screw	Primary Side M6×2
	Secondary Side M4×5
Tightening torque	Primary Side 4~5N·m
	Secondary Side 1.4~1.8N·m
Flame retardance grade	UL94V-0

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
1	● TQB60D01	50	42	128
2	● TQB60D02	100	92	256
3	● TQB60D03	150	142	384
4	● TQB60D04	200	192	512

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

* Current-carrying Current for Heat-resistant Wires : 120A

Screws for direct mounting are attached (2 M4x35 sems screws, 2 wood screws).

* If terminal boards are fixed by wood screws, please use solid board in order the board not to warp.

* Covers are optional. Please by safety covers or general covers.

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL.



File No.:E114903

Type	UL Standard (UL1059)				
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1}	FW ^{Note2}	Tightening torque
For Branching	600	85	Primary : AWG10~4	2	M6 : 4N·m
			Secondary : AWG16~10		M4 : 1.4N·m

Note1: Please use only crimp terminals with UL conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

Applicable Accessories

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100			PVC (T = 0.5mm)	100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100			PP (T = 0.5mm)	100m	480g

Cover

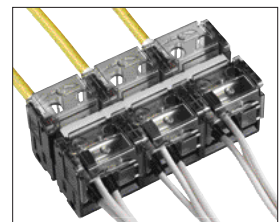
Safety Cover

Product Name	Rough Weight per 1 pc	Q'ty per package
● TQBB6D	7g	2 pcs

General-use Cover

Applicable Product	Poles	Product Name	Rough Weight per 1 pc	Q'ty per package
TQB60D01	1	● TRB10N60D01	6g	1 pcs
TQB60D02	2	● TRB10N60D02	15g	1 pcs
TQB60D03	3	● TRB10N60D03	20g	1 pcs
TQB60D04	4	● TRB10N60D04	26g	1 pcs

An example of cover attachment



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

High-capacity
Assembled
Branch Terminal
Block

TQB
Series

175A

600V

1 - 4 P, Max. 14 Branches

RoHS 10

Primary : 60, Secondary : Upper 8, Below 14mm

M8, M5, 60mm Pitch

Stud, Standard with Round Washer

With Seal for Legends, IEC35mm. IEC/ C dual-use

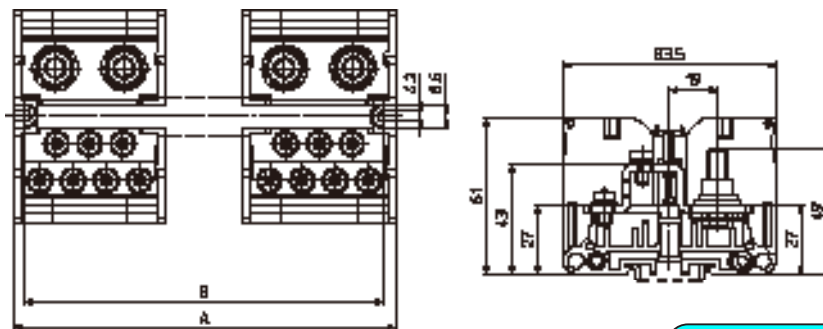
UL 

CE 

TQB100D



Appearance diagram (Unit:mm)



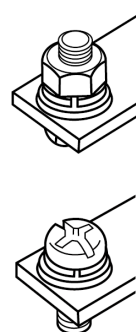
Stud, Standard with Round Washer

Specification

Dielectric strength voltage	600V
Applicable wires Maximum current	Primary Side 60mm ² —175A
	Secondary Side Upper: 8mm ² —50A Below: 14mm ² —80A
Terminal screw	Primary Side M8×2
	Secondary Side M5×7
Tightening torque	Primary Side 8~10N·m
	Secondary Side 2.2~2.8N·m
Flame retardance grade	UL94V-0

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
1	● TQB100D01	60	51	244
2	● TQB100D02	120	111	488
3	● TQB100D03	180	171	732
4	● TQB100D04	240	231	976

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.



* Current-carrying Current for Heat-resistant Wires : 250A

Screws for direct mounting are attached (2 M4x35 sems screws, 2 wood screws).

* If terminal boards are fixed by wood screws, please use solid board in order the board not to warp.

* Covers are optional. Please by safety covers or general covers.

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL.



File No.:E114903

Type	UL Standard (UL1059)			
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1}	Tightening torque
For Branching	600	130	Primary : AWG8~1	M8 : 8N·m
			Secondary : AWG12~6	M5 : 2.2N·m

Note1: Please use only crimp terminals with UL conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

Applicable Accessories

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC	5m	37g
● TRC22L100			(T = 0.5mm)	100m	740g
● TRC23			PP	5m	24g
● TRC23L100			(T = 0.5mm)	100m	480g

Cover

Safety Cover

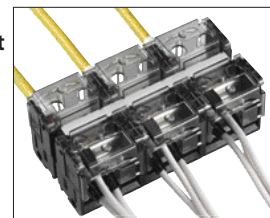
Product Name	Rough Weight per 1 pc	Q'ty per package
● TQBB10D	9g	2 pcs

General-use Cover

Applicable Product	Poles	Product Name	Rough Weight per 1 pc	Q'ty per package
TQB100D01	1	● TRB20N100D01	11g	1 pcs
TQB100D02	2	● TRB20N100D02	20g	1 pcs
TQB100D03	3	● TRB20N100D03	30g	1 pcs
TQB100D04	4	● TRB20N100D04	36g	1 pcs

An example of
cover attachment

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.



High-capacity
Assembled
Branch Terminal
Block

TQB
Series

310A

600V

1 - 4 P, Max. 14 Branches

RoHS 10

Primary : 100,150 Secondary : 22, 14 mm²

M10, M6, M5, 77.5mm Pitch

Stud, Standard with Round Washer

With Seal for Legends, IEC35mm. IEC/ C dual-use

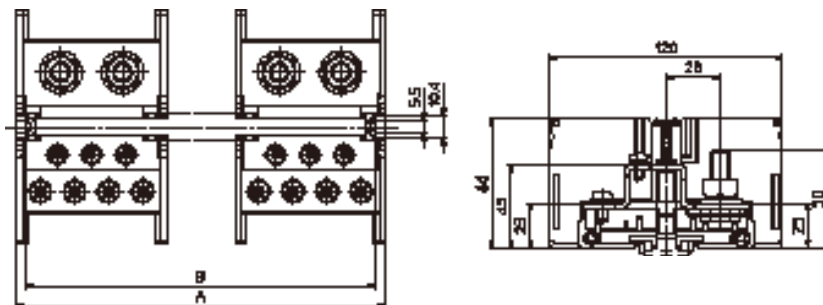
UL 

CE 

TQB200D



Appearance diagram (Unit:mm)



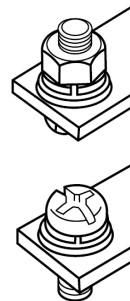
Stud, Standard with Round Washer

Specification

Dielectric strength voltage	600V
Applicable wires Maximum current	Primary Side 100mm ² - 250A
	150mm ² - 310A*
	Secondary Side 22mm ² - 90A
Terminal screw	14mm ² - 80A
	Primary Side M10×2本
	Secondary Side M6×4, M5×3
Tightening torque	Primary Side 15~20N·m
	Secondary Side M6: 4~5N·m
	M5: 2.2~2.8N·m
Flame retardance grade	UL94V-0

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
1	● TQB200D01	77.5	68.5	428
2	● TQB200D02	155	146	856
3	● TQB200D03	232.5	223.5	1284
4	● TQB200D04	310	301	1712

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.



- * Current-carrying Current for Heat-resistant Wires : 300A (100mm²), 350A (150mm²)
- Screws for direct mounting are attached (3 M5x35 sems screws, 3 wood screws).
- * If terminal boards are fixed by wood screws, please use solid board in order the board not to warp.
- * If 150mm² wire is applied, please use cramp terminals for circuit breakers.
- * Covers are optional. Please by safety covers or general covers.

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL.



File No.:E114903

Type	UL Standard (UL1059)				
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1}	FW ^{Note2}	Tightening torque
For Branching	600	230	Primary : AWG1/0~4/0	2	M10 : 15N·m
			Secondary : M6 : AWG10~4		M6 : 4N·m
			Secondary : M5 : AWG12~6		M5 : 2.2N·m

Note1: Please use only crimp terminals with UL conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

Applicable Accessories

Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Cover

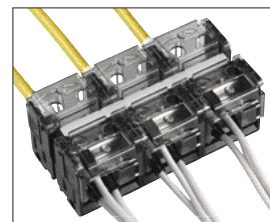
Safety Cover

Product Name	Rough Weight per 1 pc	Q'ty per package
● TQBB20D	16g	2 pcs

General-use Cover

Applicable Product	Poles	Product Name	Rough Weight per 1 pc	Q'ty per package
TQB200D01	1	● TRB40N200D01	20g	1 pcs
TQB200D02	2	● TRB40N200D02	46g	1 pcs
TQB200D03	3	● TRB40N200D03	70g	1 pcs
TQB200D04	4	● TRB40N200D04	96g	1 pcs

An example of cover attachment



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

型式	概略質量	入数
----	------	----

● TQB400D 30g 2 pcs

High-capacity
Assembled
Branch Terminal
Block

TQB
Series

440A

600V

1 - 4 P, Max. 10 Branches

RoHS 10

Primary : 200 Secondary : 100, 60, 22mm²

M12, M10, M8, M6 112mmPitch

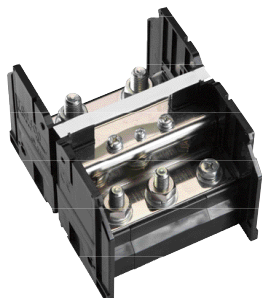
Stud, Standard with Round Washer

With Seal for Legends, IEC35mm. IEC/ C dual-use

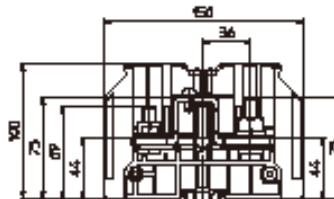
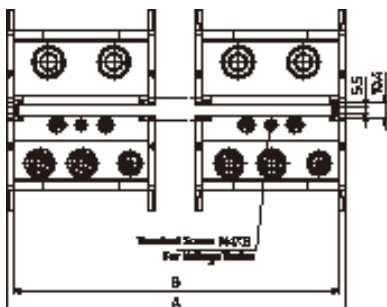
UL 

CE 

TQB400D



Appearance diagram (Unit:mm)



Specification

Dielectric strength voltage	600V	
Applicable wires Maximum current	Primary Side	200mm ² - 440A
	Secondary Side	100mm ² - 240A
		60mm ² - 175A
		22mm ² - 90A
Terminal Screw	Primary Side	M12×2
	Secondary Side	M10×2, M8×1, M6×2
Tightening torque	Primary Side	25~35N·m
	Secondary Side	M10 : 15~20N·m M8 : 8~10N·m M6 : 4~5N·m
Flame retardance grade	UL94V-0	

* Current-carrying Current for Heat-resistant Wires : 500A

Screws for direct mounting are attached (3 M5x55 sems screws, 3 wood screws).

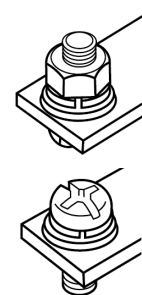
* If terminal boards are fixed by wood screws, please use solid board in order the board not to warp.

* Covers are optional. Please by safety covers or general covers.

Poles	Product Name	Dimensions(mm)		Rough Weight (g)
		A	B	
1	● TQB400D01	112	103	1009
2	● TQB400D02	224	215	2018
3	● TQB400D03	336	327	3027
4	● TQB400D04	448	439	4036

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Stud, Standard with Round Washer



Cover

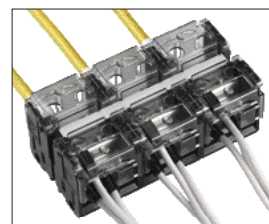
Safety Cover

Product Name	Rough Weight per 1 pc	Q'ty per package
● TQB400D	30 g	2 pcs

General-use Cover

Applicable Product	Poles	Product Name	Rough Weight per 1 pc	Q'ty per package
TQB400D01	1	● TRB40N400D01	25g	1 pcs
TQB400D02	2	● TRB40N400D02	52g	1 pcs
TQB400D03	3	● TRB40N400D03	100g	1 pcs
TQB400D04	4	● TRB40N400D04	130g	1 pcs

An example of cover attachment



Ratings for Overseas Certification

■ The Ratings used as conforming products to UL.



File No.:E114903

Type	UL Standard (UL1059)			
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1}	FW ^{Note2} Tightening torque
For Branching	600	335	Primary : 350~400 MCM	2 M12 : 25N·m M10 : 15N·m M8 : 8N·m M6 : 4N·m M4 : 1.4N·m
			Secondary : M10 : AWG1/0~4/0	
			Secondary : M8 : AWG4~1	
			Secondary : M6 : AWG10~4	
			Secondary : M4 : AWG14~10	

Note1: Please use only crimp terminals with UL conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

Applicable Accessories

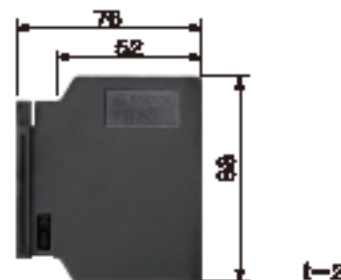
Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Insulation Barrier

● Material: PP

Product Name	Rough Weight per 1 pc	Q'ty per package
● TXH60	12g	2 pcs



● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Terminal Block (Rail-mount)



Screw (Rail-mount)

TX • TXU Series

Product Line-up/ Common Specifications/ Materials

Screw terminal block (Rail-mount)

Product Line-up

TX Rail-mount terminal block

The TX rail-mount terminal blocks are globally compliant products certified to UL, CSA, and EN/IEC standards (excluding some models). They can be assembled with the desired number of poles and current capacity, allowing for economical selection.

Product Category	Abstract	Rated Insulation Voltage	Ratings ^{Note1}		Terminal screw ^{Note2}		Product Name	Rough Weight per 1 pole
			Primary Side	Secondary Side	Primary Side	Secondary Side		
Standard Type	• A standard terminal block with a user-friendly standard structure. A wide range of current capacities and finely segmented frame sizes are available. • Compliant with UL and CSA standards. Also certified by TÜV as conforming to EN/IEC standards and compliant with CE marking (excluding some models). Frames up to 400 A are approved for both UL factory wiring and field wiring.	800V	1.25mm ²	[15A]	M3×6 ⊕ Standard screw		TX7	6g
			2mm ²	[20A]	M3×8 ⊕ Standard screw		TX10SM3	6.5g
					M3.5×8 ⊕ Standard screw		TX10S	6.5g
					M3.5×8 ⊕ Standard screw		TX10	8g
			5.5mm ²	[40A]	M4×10 ⊕ Standard screw		TX20	11g
			8mm ²	[50A]	M5×12 ⊕ Standard screw		TX30	22g
			14mm ²	[80A]	M5×12 ⊕ Standard screw		TX50	25g
			22mm ²	[90A]	M6×12 ⊕ Standard screw (with Round Washer)		TX60	37g
		1000V	38mm ²	[130A]	M8×14 ⊕ Hex bolt		TX100	83g
			60mm ²	[175A]	M8×16 ⊕ Hex bolt		TX150	96g
			100mm ²	[240A]	M10×20 ⊕ Hex bolt		TX200	175g
			150mm ²	[310A]	M10×20 ⊕ Hex bolt		TX300	215g
			200mm ²	[400A]	M12×25 Hex bolt		TX400	382g
			150mm ² ×2	[500A]				
			325mm ²	[600A]	M16×40 Stud		TX600N	650g
			325mm ²	[600A]	M16×46 Stud (with Guide)		TX800N	820g
			200mm ² ×2	[800A]				
			325mm ²	[600A]	M16×48 Stud (with Guide)		TX1000N	900g
			325mm ² ×2	[1000A]				
Spring-loaded	• This is a spring-loaded type terminal block. It features a touch-lock function that allows temporary fastening, and a spring-loaded mechanism that raises and holds the screw when loosened — ideal for efficient wiring work. • Compliant with UL and CSA standards. Also certified by TÜV as conforming to EN/IEC standards and compliant with CE marking. • Frames up to 100 A are approved for both UL factory wiring and field wiring.	800V	1.25mm ²	[15A]	M3×8 ⊕ Spring-loaded screw terminal		TXU7	7.5g
			2mm ²	[20A]	M3×8 ⊕ Spring-loaded screw terminal		TXU10SM3	8g
					M3.5×8 ⊕ Spring-loaded screw terminal		TXU10S	8g
					M3.5×8 ⊕ Spring-loaded screw		TXU10	9g
			5.5mm ²	[40A]	M4×8.5 ⊕ Spring-loaded screw terminal		TXU20	13g
			8mm ²	[50A]	M5×10 ⊕ Spring-loaded screw terminal		TXU30	25g
		1000V	14mm ²	[80A]	M5×10 ⊕ Spring-loaded screw terminal		TXU50	28g
			22mm ²	[90A]	M6×12 ⊕ Spring-loaded screw terminal		TXU60	37g
			38mm ²	[130A]	M8×15 ⊕ Hex bolt Spring-loaded screw terminal		TXU100	104g

Note1 Ratings are recommended values with usage in compliance to JIS standards.

Note2 As for the Symbols in Terminal screw columns, ⊕ is plus/minus screw while ⊗ is plus screw.

Common Specifications

Operational Ambience Temperature Range	−25~+55°C (without Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	2500V 1 Min.
Impulse Withstanding Voltage	6000V (TX7~TX10, TXU7~TXU10) ^{Note1} 8000V (TX20~TX60, TXU20~TXU60) ^{Note2} 12000V (TX100~TX1000N, TXU100)
Conformed Standards	JIS C8201-7-1 ^{Note3} , NECA C2811 (JIS C2811) ^{Note4} UL1059 (exclud. some types), EN/IEC60947-7-1

Note 1: When the crimped section of the solderless terminal is insulated, the Impulse Withstanding voltage becomes 8,000 V.

Note 2: For TX60 and TXU60, when the crimped section of the solderless terminal is insulated, the Impulse Withstanding Voltage becomes 12,000 V.

Note 3: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 4: NECA C2811 is a standard conforming to the contents of JIS C2811.

Materials

Name	Materials	Flame retardance grade
Terminal Base	Polycarbonate	UL94V-0
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Brass (Nickel plating) Copper (TX400600N, 800N, 1000N)	—
Seal for legends	Fiber Vinyl chloride Polypropylene	—
Cover	Polycarbonate	UL94V-2

TX • TXU Series

Product Line-up/ Common Specifications/ Materials

Ratings Compliant to Overseas Standards

■ The Ratings used as conforming products to UL/CSA.

TX, TXU series of Terminal Blocks are certified products by UL and CSA.

The ratings in using products as the UL/CSA conformed ones are as shown below:



File No.:E114903



File No.:LR80644

Product Name		UL Standard (UL1059)						CSA Standard (C22-2 No.158)			
		Ratings Voltage (V)	Ratings Current (A)	Applicable wires AWG (MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} AWG(MCM)	Tightening Torque (N·m)
Standard Screw	Spring-loaded			Single wire	Stranded wire						
TX7	TXU7	600	10	20~16	20~16	2	0.9	600	10	20~16	0.9
TX10SM3	TXU10SM3	600	15	20~14	20~14	2	0.9	600	15	20~14	0.9
TX10S	TXU10S	600	15	20~14	20~14	2	1.3	600	15	20~14	1.3
TX10	TXU10	600	20	20~14	20~14	2	1.3	600	20	20~14	1.3
TX20	TXU20	600	30	18~10	18~10	2	1.8	600	30	18~10	1.8
TX30	TXU30	600	50	16~12	16~10	2	2.7	600	45	16~8	4.5
TX50	TXU50	600	30	16~10	16~10	2	2.7	—	—	—	—
			65	—	* 6	2					
TX60	TXU60	600	80	* 14~10	* 14~4	2	4.5	600	80	* 14~4	5.1
TX100	TXU100	600	115	—	* 8~2	2	10	600	115	* 8~2	16.9
TX150	—	600	175	—	* 6~2/0	2	10	600	175	* 6~2/0	16.9
TX200	—	600	230	—	* 4~4/0	2	20	600	230	* 4~4/0	28.2
TX300	—	600	310	—	* 4~(350)	2	20	600	310	* 4~(350)	28.2
TX400	—	600	380	—	* 1/0~(500)	2	30	600	380	* 1/0~(500)	42.5

Note1: The above list applies to connection by bare copper or by crimp terminals. As for Applicable Wires, however, values with * are only for connection by crimp terminals. Please use only crimp terminals with UL or CSA conformance.

Note2: FW1: Wirings at factory, FW2:Wirings at factory and in-field

Note3: If products are used at UL/Ratings, connect only one wire to one terminal.

■ The Ratings used as conforming products to EN/IEC

The TX and TXU series terminal blocks are certified by TÜV, an international third-party certification organization, to conform to EN/IEC standards, enabling smoother verification of CE marking compliance for machinery.

The ratings when used as EN/IEC-compliant products are as follows:



License No.:R9551559 (TX Series)

License No.:R9551561 (TXU Series)

Product Name		Ratings Voltage (V)	Impulse Withstanding Voltage (V)	Ratings Current (A)	Applicable wires AWG (JIS) ^{Note}		Tightening torque (N·m)	Connectable Wires
					Single Wire	Stranded Wire		
TX7	TXU7	600	6000	15	20~16	20~16	0.9	1 or 2
TX10SM3	TXU10SM3	600	6000	20	20~14	20~14	0.9	1 or 2
TX10S	TXU10S	600	6000	20	20~14	20~14	1.3	1 or 2
TX10	TXU10	600	6000	25	20~14	20~14	1.3	1 or 2
TX20	TXU20	600	6000	40	18~10	18~10	1.8	1 or 2
TX30	TXU30	600	6000	60	16~10	16~8	2.8	1 or 2
TX50	TXU50	600	6000	60	16~8	16~8	2.8	1 or 2
				80	—	* 6		
TX60	TXU60	600	6000	110	* 14~10	* 14~4	5	1 or 2
TX100	TXU100	600	6000	140	—	* 8~2	10	1 or 2
TX150	—	600	6000	190	—	* 4~(60mm ²)	10	1 or 2
TX200	—	600	6000	300	—	* 2~(100mm ²)	20	1 or 2
TX300	—	600	6000	350	—	* 2~(150mm ²)	20	1 or 2
TX400	—	600	6000	540	—	* (100~250mm ²)	35	1 or 2

The above table applies to both bare copper wire connections and crimp terminal connections. However, wire types marked with an asterisk (*) are for crimp terminal connections only.

Please note the following points:

For crimp terminal connections: Use insulated crimp terminals, or insulate bare crimp terminals with sleeves, tubes, or tape.

When connecting two bare wires: Use wires of the same size and type (solid or stranded). Do not connect wires of different sizes or types.

Screw
Rail-mount
Terminal Block

TX
Series

15A

0.75, 1.25 mm²

IEC35mm. IEC/ C Dual-use

800V

M3

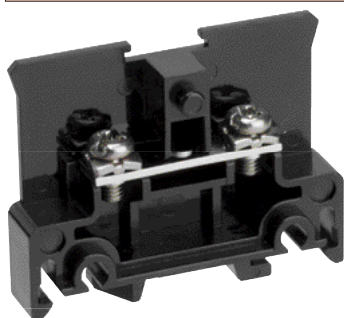
UL  CSA 

RoHS10

Standard Screw

TÜV  CE 

TX7



Specifications

Product Name	TX7
Dielectric strength voltage	800V
Applicable wires	6000V
Maximum current (In case of crimping connection)	Note
Applicable wires	0.75mm ² —10A
Maximum current (In case of crimping connection)	1.25mm ² —15A
Current-carrying Current for Heatresistant Wires	1.25mm ² —18A
Terminal Screw	M3×6± Standard Screw
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	60 pcs

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	20~16		20~16	20~16	
Current-carrying Current Ratings	10A		10A	15A	

Applicable Accessories

Short Bar

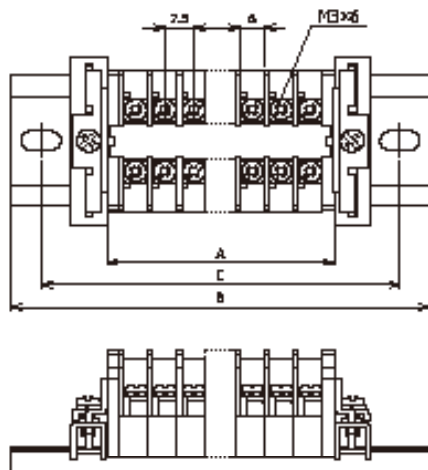
Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	7.3mm	Without Coating	20A	6	● TJ762A	2.5g	10 pcs
		With Coating		20	● TJ7202A	8.5g	10 pcs
				2	● TJ722B	0.9g	10 pcs
				6	● TJ762B	3g	10 pcs
				20	● TJ7202B	10g	10 pcs
		Without Coating (Bending)		6	● TJ762C	2.5g	10 pcs

Seal for Legend

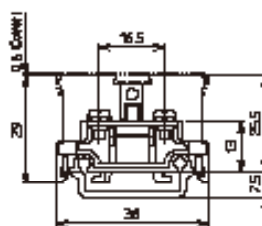
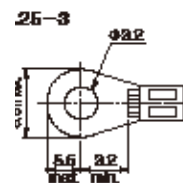
Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC07	9.5	Top 7.3	Vinyl chloride(T=0.5mm)	5m	37g
● TXC073	9.5	Top 7.3		5m	24g
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			Polypropylene (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Appearance diagram (Unit:mm)



Applicable cramping terminals



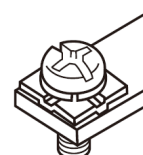
Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 8,000 V.

* As for TX7 - TX20, the same End Plate, Cover, Legend Seal can be applied.

■ Dimensions after assembly (With Stopper JTXE3)

- Length of unit A=Width of unit (7.3mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm))
- Length of rail B=A+Width of stopper (9mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Standard Screw



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXA1	2.5g	10 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TXB2	39× 500	19g	5 pcs
● TXB2L	39× 1000	38g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TX7TANSHINEJI	100 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

Screw
Rail-mount
Terminal Block

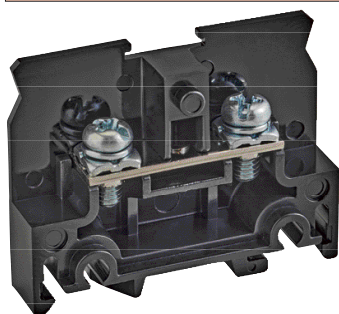
TX
Series

20A
0.75, 1.25, 2 mm²
IEC35mm. IEC/ C Dual-use

800V
M3.5
UL  CSA 

RoHS10
Standard Screw
TÜV  CE 

TX10S



Specifications

Product Name	● TX10S
Dielectric strength voltage	800V
Applicable wires	6000V
Maximum current (In case of crimping connection)	Note
Applicable wires	0.75mm ² —10A
Maximum current (In case of crimping connection)	1.25mm ² —15A
	2mm ² —20A
Current-carrying Current for Heatresistant Wires	2mm ² —25A
Terminal Screw	M3.5×8 ± Standard Screw
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	60 pcs

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	20~14		20~14	20~14	
Current-carrying Current Ratings	15A		15A	20A	

Applicable Accessories

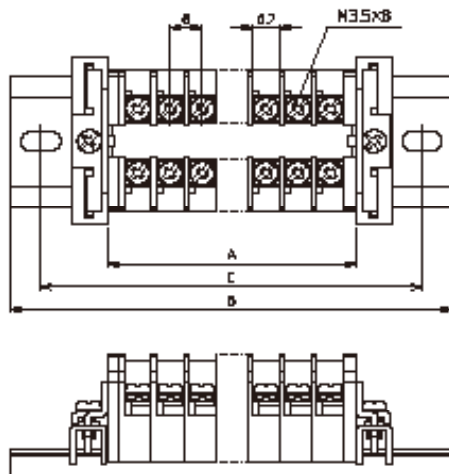
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
		With Coating		20	● TJ1204A	9.5g	10 pcs
				2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
		Without Coating (Bending)		6	● TJ164C	3g	10 pcs
	16mm (Every 2-pole)	With Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs
				8	● JTJ084BB	3.5g	10 pcs

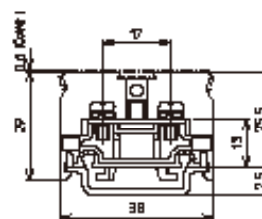
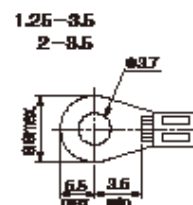
Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC07	9.5	8mm	Vinyl chloride(T=0.5mm)	5m	37g
● TXC073	9.5	8mm	Polypropylene (T=0.5mm)	5m	24g
● TXC1	9.5	Top	Vinyl chloride(T=0.5mm)	5m	37g
● TXC13	9.5	Top	Polypropylene (T=0.5mm)	5m	26g
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			Polypropylene (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

Appearance diagram (Unit:mm)



Applicable crimping terminals



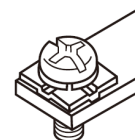
Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 8,000 V.

* As for TX7 - TX20, the same End Plate, Cover, Legend Seal can be applied.

■ Dimensions after assembly (With Stopper JTXE3)

- Length of unit A=Width of unit (8mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm))
- Length of rail B=A+Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B - 15mm

Standard Screw



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXA1	2.5g	10 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TXB2	39 × 500	19g	5 pcs
● TXB2L	39 × 1000	38g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TR10STANSHINEJI	100 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

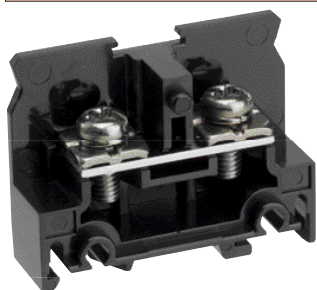
TX
Series

40A
1.25, 2, 3.5, 5.5 mm²
IEC35mm. IEC/C Dual-use

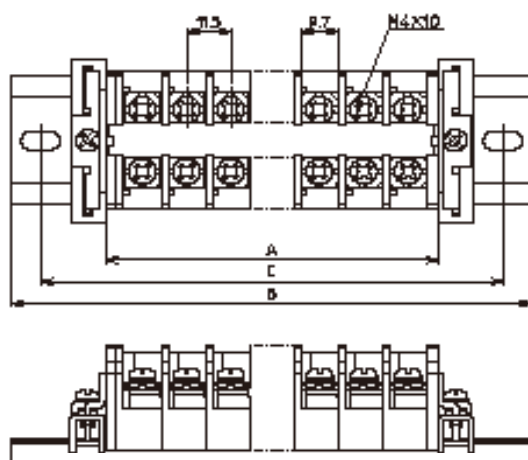
800V
M4
UL  CSA 

RoHS10
Standard Screw
TÜV  CE 

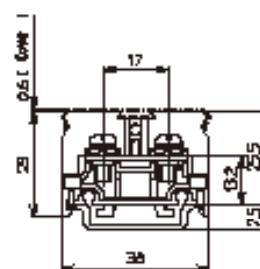
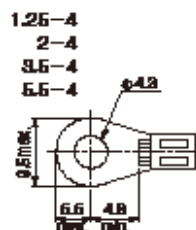
TX20



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TX20
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	8000V
Applicable wires Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A 3.5mm ² - 30A 5.5mm ² - 40A
Current-carrying Current for Heatresistant Wires	5.5mm ² - 45A
Terminal Screw	M4 × 10 
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	60 pcs

Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 8,000 V.

* As for TX7 - TX20, the same End Plate, Cover, Legend Seal can be applied.

■ Dimensions after assembly (With Stopper JTXE3)

- Length of unit A = Width of unit (11.5mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm))
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	18~10		18~10	18~10	
Current-carrying Current Ratings	30A		30A	40A	

■ Applicable Accessories

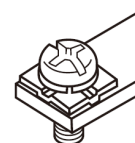
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11.5mm	Without Coating	30A	6	● TJ262A	5g	10 pcs
		With Coating		2	● TJ222B	2g	10 pcs
				6	● TJ262B	6g	10 pcs
		Without Coating (Bending)		6	● TJ262C	5g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC2	9.5	Top 11.5	Vinyl chloride (T=0.5mm)	5m	37g
● TXC23	9.5	Top 11.5	Polypropylene (T=0.5mm)	5m	24g
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride (T=0.5mm)	5m	37g
● TRC22L100			Polypropylene (T=0.5mm)	100m	740g
● TRC23				5m	24g
● TRC23L100				100m	480g

Standard Screw



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXA1	2.5g	10 pcs

Cover

Product Name	W × L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TXB2	39 × 500	19g	5 pcs
● TXB2L	39 × 1000	38g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TX20TANSHINEJI	100 pcs

Stopper

Stopper Data Sheet

Rail

Rail Data Sheet

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

50A

3.5, 5.5, 8 mm²

IEC35mm. IEC/ C Dual-use

800V

M5

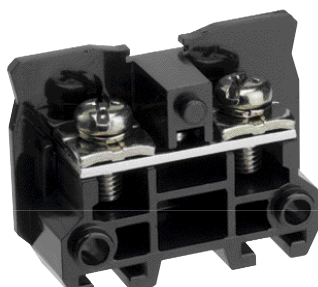
UL  CSA 

RoHS10

Standard Screw

TÜV  CE 

TX30



Specifications

Product Name	● TX30
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	8000V
Applicable wires Maximum current (In case of crimping connection)	3.5mm ² —30A 5.5mm ² —40A 8mm ² —50A
Current-carrying Current for Heatresistant Wires	8mm ² —54A
Terminal Screw	M5×12 $\pm$ Standard Screw
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	30 pcs

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	16~12	16~10	—	16~10	16~8
	—	* 8	—	—	—
Current-carrying Current Ratings	50A		45A	60A	

* Solely with Cramping Terminals

Applicable Accessories

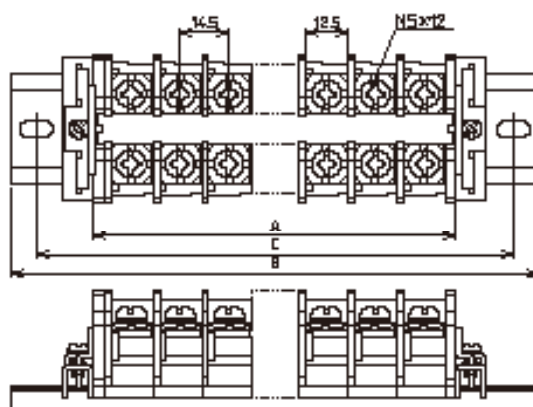
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	50A	2	● JTJ302B	7g	10 pcs

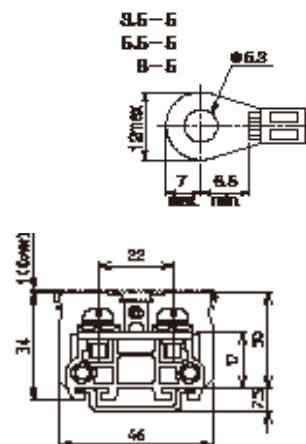
Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC2	9.5	Top 11.5	Vinyl chloride(T=0.5mm)	5m	37g
● TXC23	9.5	Top 11.5	Polypropylene (T=0.5mm)	5m	24g
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			Polypropylene (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

Appearance diagram (Unit:mm)



Applicable cramping terminals



Screw
Rail-mount
Terminal Block

TX
Series

80A

3.5, 5.5, 8, 14 mm²

IEC35mm. IEC/ C Dual-use

800V

M5

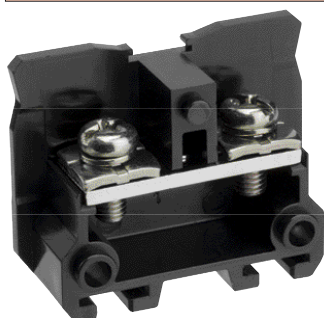
UL 

RoHS10

Standard Screw

TÜV  CE 

TX50



Specifications

Product Name	● TX50
Dielectric strength voltage	800V
Applicable wires	8000V
Maximum current (In case of crimping connection)	
Applicable wires	3.5mm ² —30A
Maximum current (In case of crimping connection)	5.5mm ² —40A
	8mm ² —50A
	14mm ² —80A
Current-carrying Current for Heatresistant Wires	14mm ² —82A
Terminal Screw	M5×12  Standard Screw
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	30 pcs

Ratings for Overseas Certification

Dielectric strength voltage	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	16~10	16~10	16~8	16~8
Current-carrying Current Ratings	—	*6	—	*6
	30A (*65A)		60A (*80A)	

* Solely with Crimping Terminals

Applicable Accessories

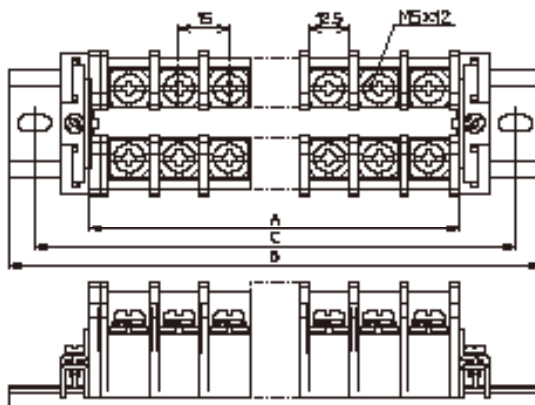
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	80A	2	● JTJ802B	10g	10 pcs

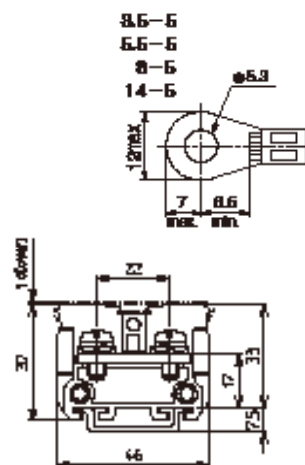
Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			Polypropylene (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

Appearance diagram (Unit:mm)



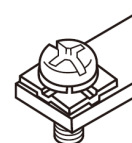
Applicable crimping terminals



Dimensions after assembly (With Stopper JTXE3)

- Length of unit A = Width of unit (15mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm))
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Standard Screw



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXA5	5g	10 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB3	49×500	39.5g	5 pcs
● TRB3L	49×1000	79g	5 pcs

Terminal Screw

Product Name	Lot for Sales
● TX30TANSHINEJI	20 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

90A

5.5, 8, 14, 22 mm²

IEC35mm. IEC/ C Dual-use

800V

M6

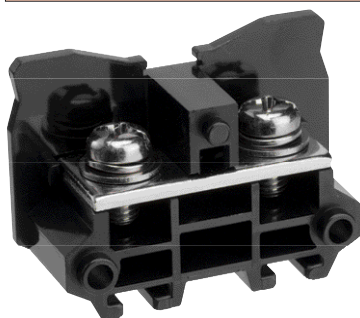
UL  CSA 

RoHS10

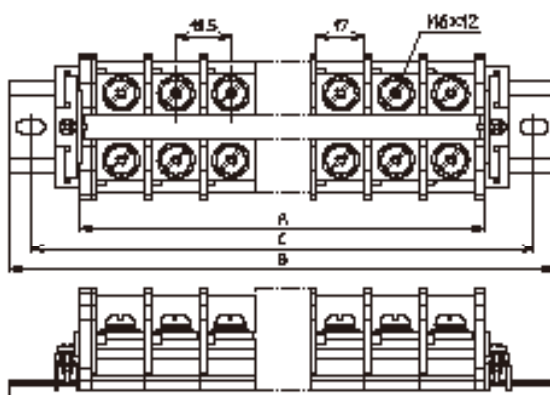
Standard Screw (with Round Washer)

TÜV  CE 

TX60



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TX60
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	8000V Note
Applicable wires Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A 14mm ² —70A 22mm ² —90A
Current-carrying Current for Heatresistant Wires	22mm ² —100A
Terminal Screw	M6 × 12 
Tightening torque	4~5N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	10 pcs

Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 8,000 V.

■Dimensions after assembly (With Stopper JTXE3)

- Length of unit A=Width of unit (19.5mm) × poles (P)
+ Thickness of End plate (1 pc = 3.5mm, 2pc = 7mm)
- Length of rail B=A+Width of stopper (9mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	* 14~10	* 14~4	* 14~4	* 14~10	* 14~4
Current-carrying Current Ratings	80A		80A	110A	

*Solely with Crimping Terminals

■Applicable Accessories

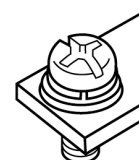
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	19mm	With Coating (Bending)	90A	2	● JTJ602B	15g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			Polypropylene (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

Standard Screw with Round Washer



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXA6	5.5g	5 pcs

Cover

Product Name	W × L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB6	56 × 500	43g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TX60TANSHINEJI	20 pcs

Stopper

Stopper Data Sheet

Rail

Rail Data Sheet

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

130A

22, (30), 38 mm²

IEC35mm. IEC/ C Dual-use

1000V

M8

UL  CSA 

RoHS10

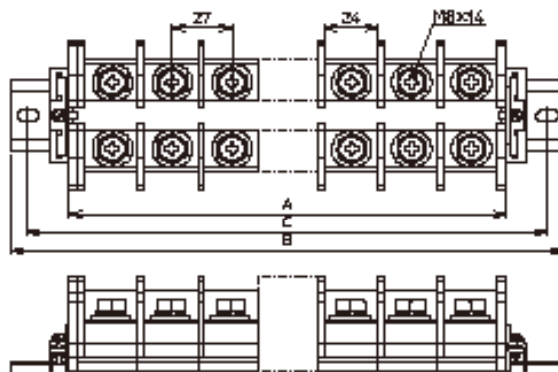
⊕ Hex Bolt

TÜV  CE 

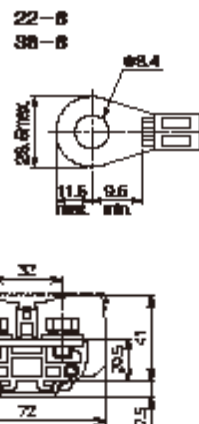
TX100



Appearance diagram (Unit:mm)



Applicable cramping terminals



Specifications

Product Name	● TX100
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	22mm ² —90A (30mm ² —110A) 38mm ² —130A
Current-carrying Current for Heatresistant Wires	38mm ² —159A
Terminal Screw	M8×14 ⊕ Hex Bolt
Tightening torque	8~10N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	6 pcs

Ratings for Overseas Certification

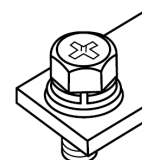
	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	—	* 8~2	* 8~2	—	* 8~2
Current-carrying Current Ratings	115A		115A	140A	

*Solely with Cramping Terminals

■ Dimensions after assembly (With Stopper JTXE3)

- Length of unit A=Width of unit (27mm) × poles (P)
+ Thickness of End plate (1 pc = 4mm, 2pc = 8mm))
- Length of rail B=A+Width of stopper (9mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

⊕ Hex Bolt



■ Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	26mm	With Coating (Bending)	130A	2	● JTJ1002B	34g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			Polypropylene (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXA10	11g	5 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB10N	75×500	57g	5 pcs
● TRB10N03 *	75×85	10g	10 pcs

* For 3-pole

Terminal Screw

Product Name	Lot for Sales
TX100TANSHINEJI	1 pc

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

175A

22, (30), 38, 60 mm²

IEC35mm. IEC/ C Dual-use

1000V

M8

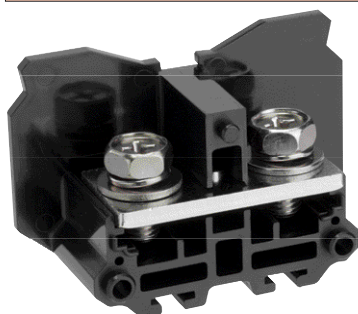
UL  CSA 

RoHS10

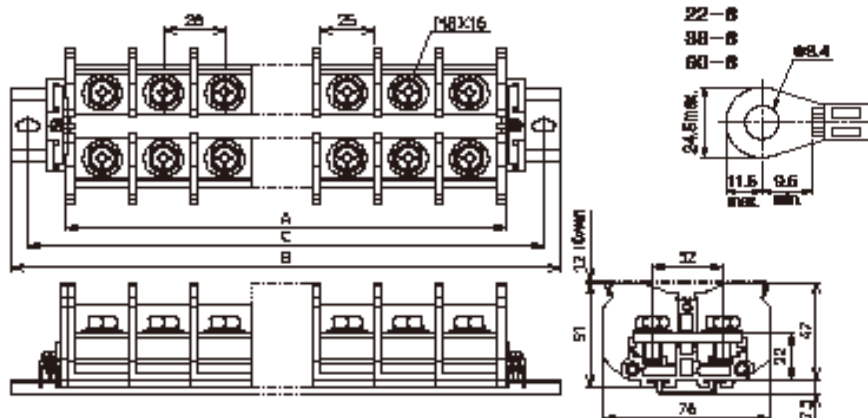
⊕ Hex Bolt

TÜV  CE 

TX150



Appearance diagram (Unit:mm)



Applicable cramping terminals

Specifications

Product Name	● TX150
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	22mm ² —90A (30mm ² —110A) 38mm ² —130A 60mm ² —175A
Current-carrying Current for Heatresistant Wires	60mm ² —230A
Terminal Screw	M8×16 ⊕ Hex Bolt
Tightening torque	8~10N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	6 pcs

■ Dimensions after assembly (With Stopper JTXE3)

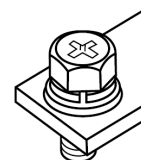
- Length of unit A=Width of unit (28mm) × poles (P)
+ Thickness of End plate (1 pc = 4mm, 2pc = 8mm))
- Length of rail B=A+Width of stopper (9mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	—	*6~2/0	*6~2/0	—	*4~(60ml)
Current-carrying Current Ratings	175A		175A	190A	

* Solely with Cramping Terminals

⊕ Hex Bolt



■ Applicable Accessories

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			Polypropylene (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXA15	14g	5 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB10N	75 × 500	57g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

240A

60, (80), 100 mm²

IEC35mm. IEC/ C Dual-use

1000V

M10

UL  CSA 

—

⊕ Hex Bolt

TÜV  CE 

TX200



Specifications

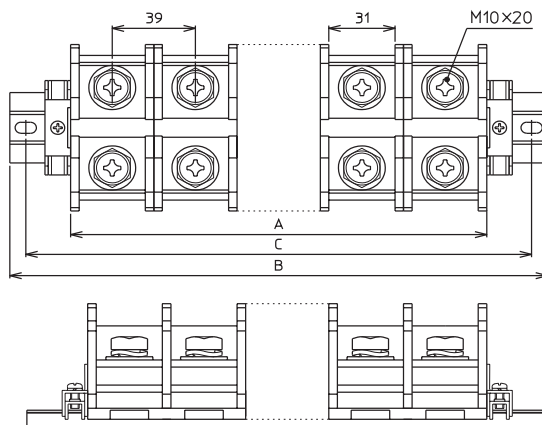
Product Name	● TX200
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	60mm ² —175A (80mm ² —210A) 100mm ² —240A
Current-carrying Current for Heatresistant Wires	100mm ² —315A
Terminal Screw	M10×20 ⊕ Hex Bolt
Tightening torque	15~20N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	3 pcs

Ratings for Overseas Certification

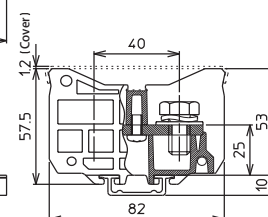
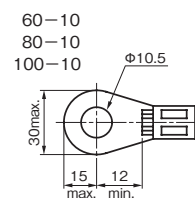
	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	—	*4~4/0	*4~4/0	—	*2~(100ml)
Current-carrying Current Ratings	230A		230A	300A	

* Solely with Cramping Terminals

Appearance diagram (Unit:mm)



Applicable cramping terminals

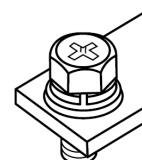


■ Dimensions after assembly (With Stopper TXE2)

- Length of unit A = Width of unit (39 mm) × poles (P)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm
(With TRDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Note: In case of using a long rail, fix the rail by screws at every 20 - 30 cm interval.

⊕ Hex Bolt



■ Applicable Accessories

Cover

Product Name	W × L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB20N	87 × 500	71g	2 pcs
● TRB20N03 *	87 × 117	17g	5 pcs

* for 3-pole

Terminal Screw

Product Name	Sales Lot
TX200TANSHINEJI	1 pc

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

310A

100, 150 mm²

IEC35mm. IEC/ C Dual-use

1000V

M10

UL  CSA 

RoHS10

⊕ Hex Bolt

TÜV  CE 

TX300



Specifications

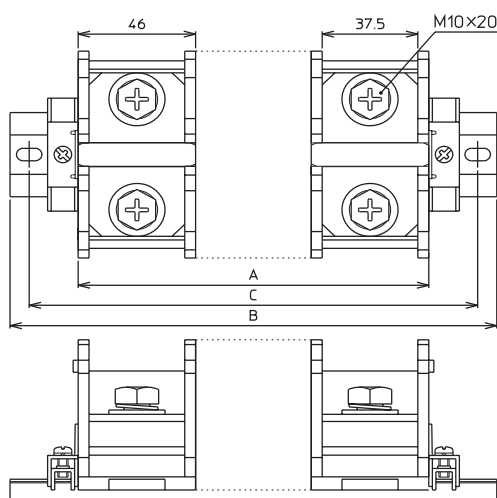
Product Name	● TX300
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	100mm ² —240A 150mm ² —310A
Current-carrying Current for Heatresistant Wires	150mm ² —425A
Terminal Screw	M10×20 ⊕ Hex Bolt
Tightening torque	15~20N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	3 pcs

Ratings for Overseas Certification

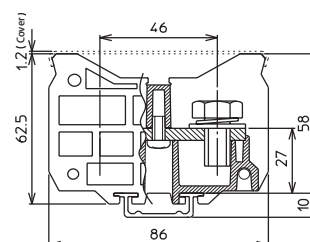
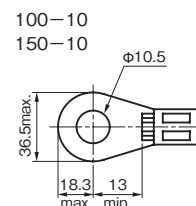
	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	—	*4~(350)	*4~(350)	—	*2~(150mm)
Current-carrying Current Ratings	310A		310A	350A	

*Solely with Cramping Terminals

Appearance diagram (Unit:mm)



Applicable cramping terminals



■Dimensions after assembly (With Stopper TXE2)

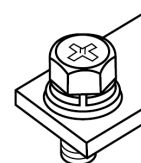
•Length of unit A=Width of unit (46 mm) × poles (P)

•Length of rail B=A+Width of stopper (12mm) × 2+30mm
(With TRDA2, cut to the multiples of 15mm.)

•Mounting pitch C=B-15mm

Note: In case of using a long rail, fix the rail by screws at every 20 - 30 cm interval.

⊕ Hex Bolt



■Applicable Accessories

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB20N	87×500	71g	2 pcs
● TRB30N03 *	87×138	21g	5 pcs

* for 3-pole

Terminal Screw

Product Name	Sales Lot
TX200TANSHINEJI	1 pc

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

400A

150, 200, 150 x 2 mm²

IEC35mm. IEC/ C Dual-use

1000V

M12

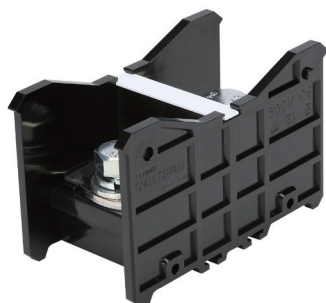
UL  CSA 

RoHS10

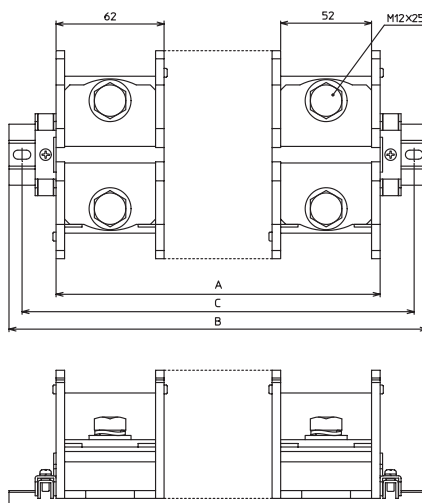
Hex Bolt

TÜV  CE 

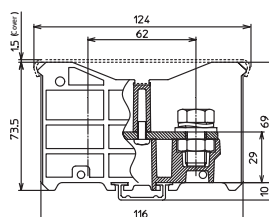
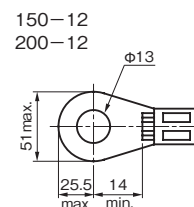
TX400



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TX400
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	150mm ² —310A 200mm ² —400A 150mm ² ×2—500A
Current-carrying Current for Heatresistant Wires	200mm ² —505A 150mm ² ×2—785A
Terminal Screw	M12×25 Hex Bolt
Tightening torque	25~35N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	3 pcs

■ Dimensions after assembly (With Stopper TXE2)

- Length of unit A=Width of unit (62 mm) × poles (P)
- Length of rail B=A+Width of stopper (12mm) × 2+30mm
(With TRDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

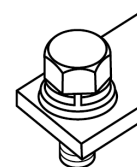
Note: In case of using a long rail, fix the rail by screws at every 20 - 30 cm interval.

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	—	*1/0~(500)	*1/0~(500)	—	(*100~250ml)
Current-carrying Current Ratings	380A		380A	540A	

* Solely with Crimping Terminals

Hex Bolt



■ Applicable Accessories

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB40N	124× 500	129g	2 pcs
● TRB40N03 *	124× 186	46g	5 pcs

* for 3-pole

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

600A

200, 250, 325 mm²

IEC35mm. IEC/ C Dual-use

1000V

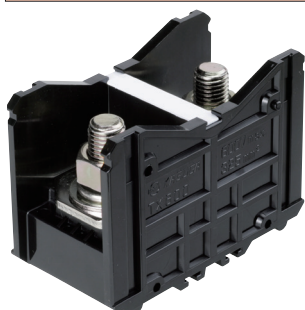
M16

RoHS10

Stud

CE

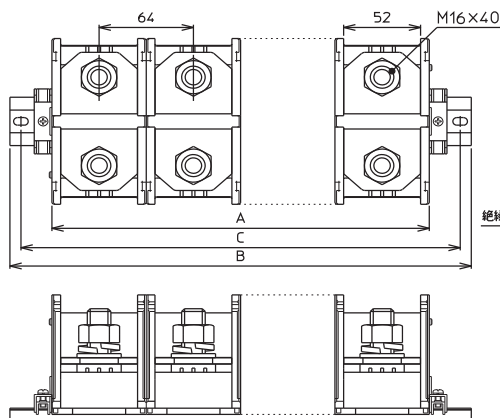
TX600N



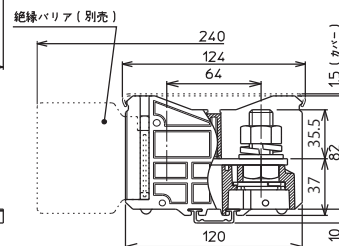
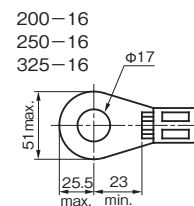
Specifications

Product Name	● TX600N
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	200mm ² —400A 250mm ² —500A 325mm ² —600A
Current-carrying Current for Heatresistant Wires	325mm ² —700A
Terminal Screw	M16×40 Stud
Tightening torque	70~90N・m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	3 pcs

Appearance diagram (Unit:mm)



Applicable cramping terminals



■ Dimensions after assembly (With Stopper TXE2)

• Length of unit A=Width of unit (64 mm) × poles (P)

• Length of rail B=A + Width of stopper (12mm) × 2 + 30mm
(With TRDA2, cut to the multiples of 15mm.)

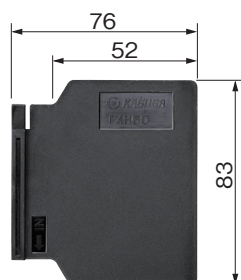
• Mounting pitch C=B - 15mm

Note: In case of using a long rail, fix the rail by screws at every 20 - 30 cm interval.

■ Applicable Accessories

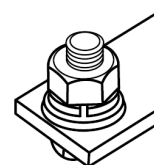
Insulation Barrier

Product Name	Rough Weight per 1 pc	Included Q'ty
● TXH60	12g	2 pcs



t=2

Stud



Cover

Product Name	Applicable Terminal Block	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TRB40N	TX600N	124 × 500	129g	2 pcs
● TRB100N01	TX600N (1P)	124 × 64	14g	3 pcs
● TRB60N03	TX600N (3P)	124 × 192	49g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

800A (200 mm² x 2)

200, 250, 325, 200 x 2 mm²

IEC35mm. IEC/ C Dual-use

1000V

M16

RoHS10

Stud (with Guide)

CE 

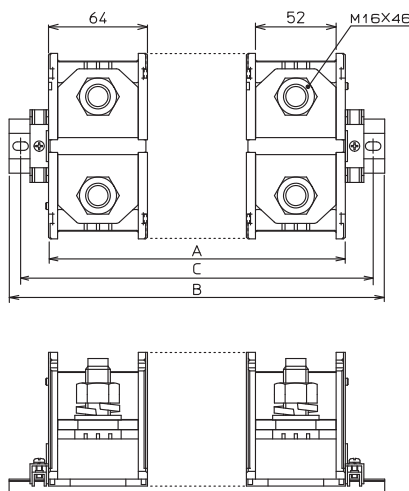
TX800N



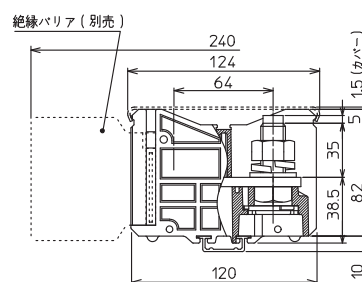
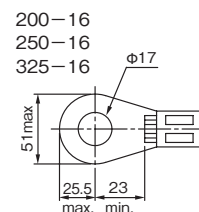
Specifications

Product Name	● TX800N
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	200mm ² —400A 250mm ² —500A 325mm ² —600A 200mm ² ×2—800A
Terminal Screw	M16×46 Stud (with Guide)
Tightening torque	70~90N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	3 pcs

Appearance diagram (Unit:mm)



Applicable crimping terminals



■Dimensions after assembly (With Stopper TXE2)

•Length of unit A=Width of unit (64 mm) × poles (P)

•Length of rail B=A+Width of stopper (12mm) × 2+30mm
(With TRDA2, cut to the multiples of 15mm.)

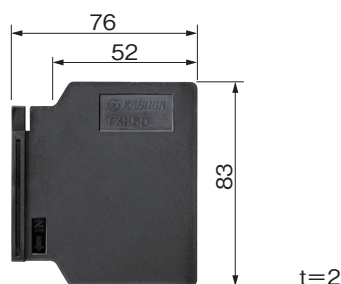
•Mounting pitch C=B-15mm

Note: In case of using a long rail, fix the rail by screws at every 20-30 cm interval.

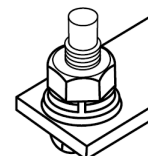
■Applicable Accessories

Insulation Barrier

Product Name	Rough Weight per 1 pc	Included Q'ty
● TXH60	12g	2 pcs



Stud (with Guide)



Cover

Product Name	Applicable Terminal Block	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB40N	TX800N	124×500	129g	2 pcs
● TRB100N01	TX800N (1P)	124×64	14g	3 pcs
● TRB60N03	TX800N (3P)	124×192	49g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

1000A (325 mm² x 2)

250, 325, 200 x 2, 325 x 2 mm²

IEC35mm. IEC/ C Dual-use

1000V

M16

RoHS10

Stud (with Guide)

CE

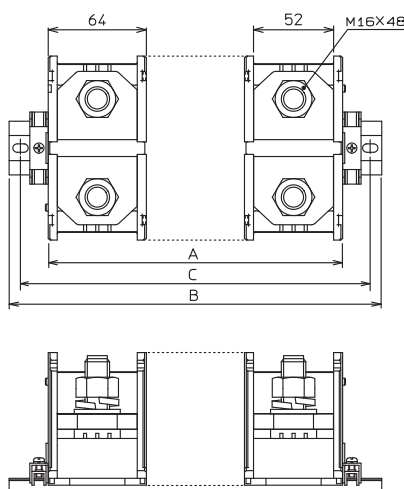
TX1000N



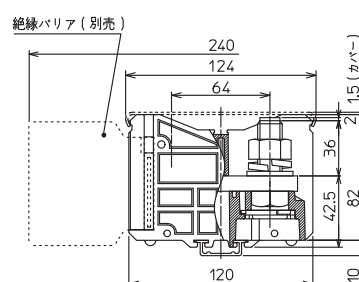
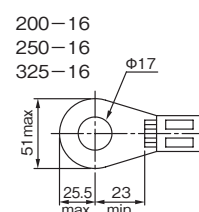
Specifications

Product Name	● TX1000N
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	250mm ² —500A 325mm ² —600A 200mm ² ×2—800A 325mm ² ×2—1000A
Terminal Screw	M16×48 Stud (Guide)
Tightening torque	70~90N・m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	3 pcs

Appearance diagram (Unit:mm)



Applicable crimping terminals



■Dimensions after assembly (With Stopper TXE2)

•Length of unit A=Width of unit (64 mm) × poles (P)

•Length of rail B=A+Width of stopper (12mm) × 2+30mm
(With TRDA2, cut to the multiples of 15mm.)

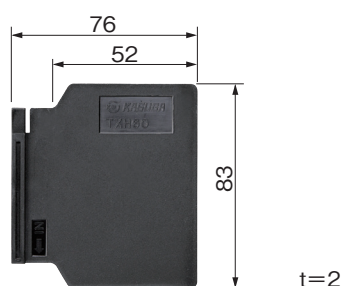
•Mounting pitch C=B-15mm

Note: In case of using a long rail, fix the rail by screws at every 20 - 30 cm interval.

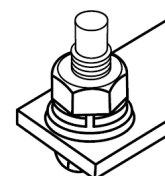
■Applicable Accessories

Insulation Barrier

Product Name	Rough Weight per 1 pc	Included Q'ty
● TXH60	12g	2 pcs



Stud (with Guide)



Cover

Product Name	Applicable Terminal Block	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB40N	TX1000N	124 × 500	129g	2 pcs
● TRB100N01	TX1000N(1P)	124 × 64	14g	3 pcs
● TRB60N03	TX1000N(3P)	124 × 192	49g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TX
Series

15A

0.75, 1.25 mm²

IEC35mm. IEC/ C Dual-use

800V

M3

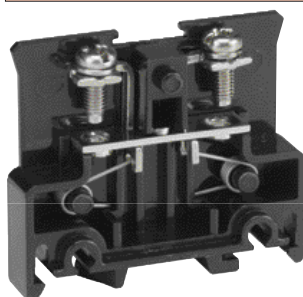
UL  CSA 

RoHS10

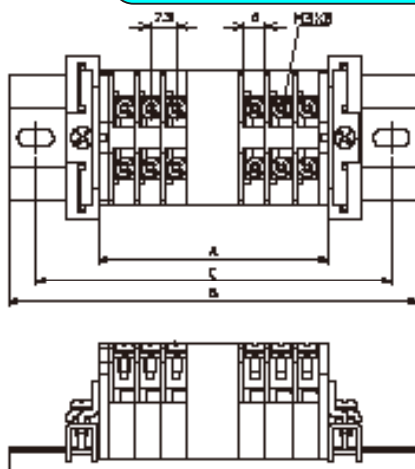
Spring-loaded

TÜV  CE 

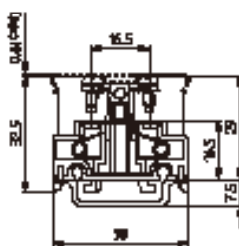
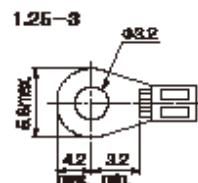
TXU7



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TXU7
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	6000V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² - 10A 1.25mm ² - 15A
Current-carrying Current for Heatresistant Wires	1.25mm ² - 18A
Terminal Screw	M3×8 
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	60 pcs

Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 8,000 V.

* As for TXU7 - TXU20, the same End Plate, Cover, Legend Seal can be applied.

■ Dimensions after assembly (With Stopper JTxE3)

- Length of unit A = Width of unit (7.3mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm)
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	20~16	20~16	20~16	20~16	20~16
Current-carrying Current Ratings	10A		10A	15A	

■ Applicable Accessories

Short Bar

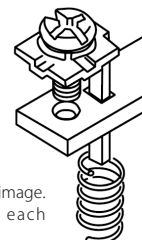
Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	7.3mm	Without Coating	20A	6	● TJ762A	2.5g	10 pcs
		With Coating		20	● TJ7202A	8.5g	10 pcs
				2	● TJ722B	0.9g	10 pcs
				6	● TJ762B	3g	10 pcs
				20	● TJ7202B	10g	10 pcs
		Without Coating (Bending)		6	● TJ762C	2.5g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)			Material	L	Rough Weight
	A	Top	W			
● TXC07	9.5	Top	7.3	Vinyl chloride(T=0.5mm)	5m	37g
● TXC073	9.5	Top	7.3		5m	24g
● TRC21	9.5	Plain		Fiber (T=0.5mm)	5m	32g
● TRC22				Vinyl chloride(T=0.5mm)	5m	37g
● TRC22L100					100m	740g
● TRC23				Polypropylene (T=0.5mm)	5m	24g
● TRC23L100					100m	480g

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Spring-loaded



The figure of a spring is an image.
Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXUA1	2.5g	10 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TXB2	39× 500	19g	5 pcs
● TXB2L	39× 1000	38g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

Screw
Rail-mount
Terminal Block

TXU
Series

20A

0.75, 1.25, 2 mm²

IEC35mm. IEC/ C Dual-use

800V

M3

UL



CSA



TÜV



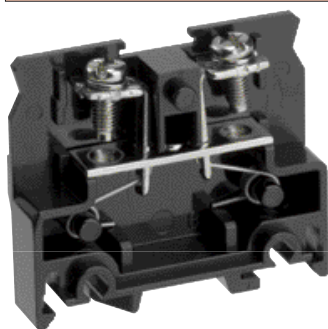
CE



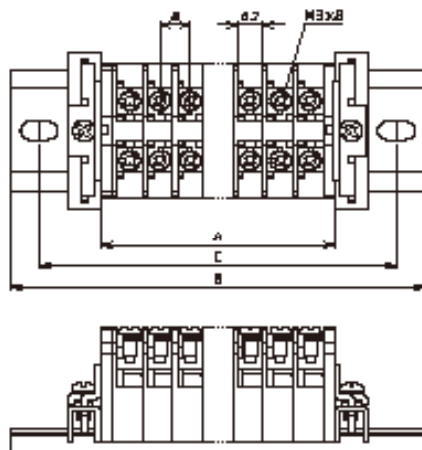
RoHS10

Spring-loaded

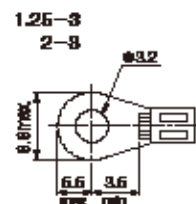
TXU10SM3



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TXU10SM3
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	6000V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² —10A 1.25mm ² —15A 2mm ² —20A
Current-carrying Current for Heatresistant Wires	1.25mm ² —18A
Terminal Screw	M3×8 ± Spring-loaded
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	60 pcs

Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 8,000 V.

* As for TXU7 - TXU20, the same End Plate, Cover, Legend Seal can be applied.

■ Dimensions after assembly (With Stopper JTXE3)

- Length of unit A=Width of unit (8mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm))
- Length of rail B=A+Width of stopper (9mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Ratings for Overseas Certification

	UL	CSA	EN/IEC
Dielectric strength voltage	600V	600V	600V
Applicable wires for current ratings (AWG)	Single wire 20~14	Stranded wire 20~14	Single wire 20~14
Current-carrying Current Ratings	15A	15A	20A

■ Applicable Accessories

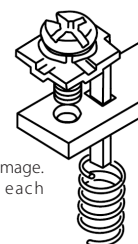
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
		With Coating		20	● TJ1204A	9.5g	10 pcs
				2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
		Without Coating (Bending)		6	● TJ164C	3g	10 pcs
	16mm (Every 2-pole)	With Coating (Bending)	2	● JTJ024BB	1.5g	10 pcs	
			8	● JTJ084BB	3.5g	10 pcs	

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight	
	A	W				
● TXC07	9.5	Bottom	8	Vinyl chloride(T=0.5mm)	5m	37g
● TXC073	9.5	Bottom	8	Polypropylene (T=0.5mm)	5m	24g
● TXC1	9.5	Top	8	Vinyl chloride(T=0.5mm)	5m	37g
● TXC13	9.5	Top	8	Polypropylene (T=0.5mm)	5m	26g
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g	
● TRC22			Vinyl chloride(T=0.5mm)	5m	37g	
● TRC22L100				100m	740g	
● TRC23			Polypropylene (T=0.5mm)	5m	24g	
● TRC23L100				100m	480g	

Spring-loaded



The figure of a spring is an image.
Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXUA1	2.5g	10 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TXB2	39× 500	19g	5 pcs
● TXB2L	39× 1000	38g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TXU
Series

20A

0.75, 1.25, 2 mm²

IEC35mm. IEC/ C Dual-use

800V

M3.5

UL



CSA



TÜV



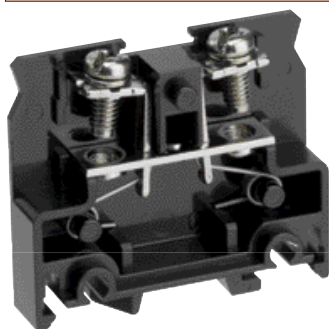
CE



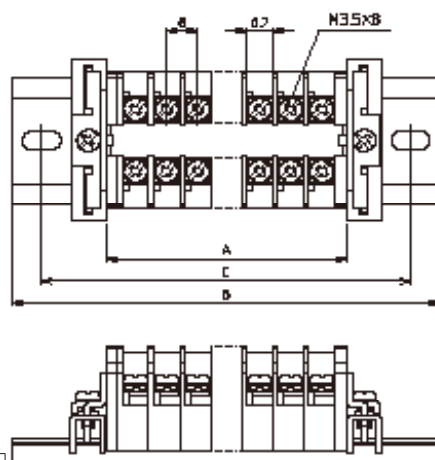
RoHS10

Spring-loaded

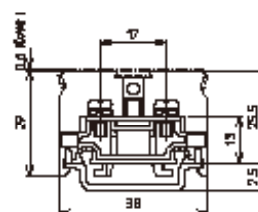
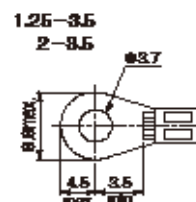
TXU10S



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	TXU10S
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	6000V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² - 10A 1.25mm ² - 15A 2mm ² - 20A
Current-carrying Current for Heatresistant Wires	2mm ² - 25A
Terminal Screw	M3.5×8 Spring-loaded
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	60 pcs

Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 8,000 V.

* As for TXU7 - TXU20, the same End Plate, Cover, Legend Seal can be applied.

■ Dimensions after assembly (With Stopper JTXE3)

- Length of unit A = Width of unit (8mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm)
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL	CSA	EN/IEC
Dielectric strength voltage	600V	600V	600V
Applicable wires for current ratings (AWG)	Single wire 20~14	Stranded wire 20~14	Single wire 20~14
Current-carrying Current Ratings	15A	15A	20A

■ Applicable Accessories

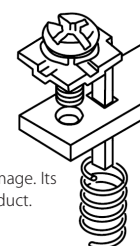
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	TJ164A	3g	10 pcs
				20	TJ1204A	9.5g	10 pcs
				2	JTJ124BB	1g	10 pcs
		With Coating		6	TJ164B	3.5g	10 pcs
				20	TJ1204B	11.5g	10 pcs
				2	JTJ024BB	1.5g	10 pcs
	16mm (Every 2-pole)	Without Coating (Bending)		6	TJ164C	3g	10 pcs
				2	JTJ024BB	1.5g	10 pcs
				8	JTJ084BB	3.5g	10 pcs
		With Coating (Bending)		6	TJ164C	3g	10 pcs
				2	JTJ024BB	1.5g	10 pcs
				8	JTJ084BB	3.5g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
TXC07	9.5	8	Vinyl chloride(T=0.5mm)	5m	37g
TXC073	9.5	8	Polypropylene (T=0.5mm)	5m	24g
TXC1	9.5	8	Vinyl chloride(T=0.5mm)	5m	37g
TXC13	9.5	8	Polypropylene (T=0.5mm)	5m	26g
TRC21	9.5	8	Fiber (T=0.5mm)	5m	32g
TRC22	9.5	8	Vinyl chloride(T=0.5mm)	5m	37g
TRC22L100	9.5	8	Vinyl chloride(T=0.5mm)	100m	740g
TRC23	9.5	8	Polypropylene (T=0.5mm)	5m	24g
TRC23L100	9.5	8	Polypropylene (T=0.5mm)	100m	480g

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
TXUA1	2.5g	10 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
TXB2	39×500	19g	5 pcs
TXB2L	39×1000	38g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

CE

UL  CSA  TÜV  CE 

Screw
Rail-mount
Terminal Block

TXU
Series

50A

3.5, 5.5, 8 mm²

IEC35mm. IEC/ C Dual-use

800V

M5

UL



CSA



TÜV



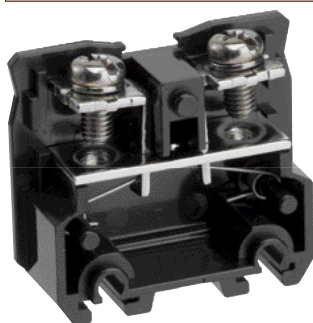
CE



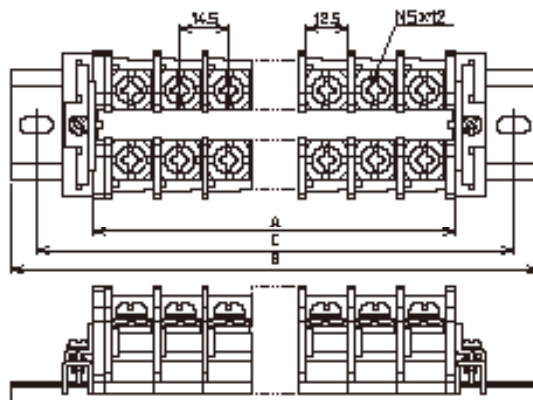
RoHS10

Spring-loaded

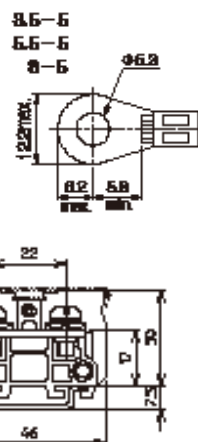
TXU30



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TXU30
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	8000V
Applicable wires Maximum current (In case of crimping connection)	3.5mm ² —30A 5.5mm ² —40A 8mm ² —50A
Current-carrying Current for Heatresistant Wires	8mm ² —54A
Terminal Screw	M5×10 ⊕ Spring-loaded
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	30 pcs

■ Dimensions after assembly (With Stopper JTXE3)

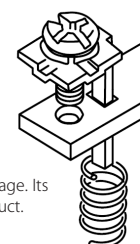
- Length of unit A = Width of unit (14.5mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm))
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	16~12	16~10		16~10	16~8
	—	*8			
Current-carrying Current Ratings	50A		45A	60A	

* Exclusively with crimping terminals

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

■ Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	50A	2	● JTJ302B	7g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC07	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC073	9.5	8	PP (T=0.5mm)	5m	24g
● TXC1	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC13	9.5	8	PP (T=0.5mm)	5m	26g
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXUA3	4.5g	10 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB3	49× 500	39.5g	5 pcs
● TRB3L	49× 1000	79g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TXU
Series

80A

3.5, 5.5, 8, 14 mm²

IEC35mm. IEC/ C Dual-use

800V

M5

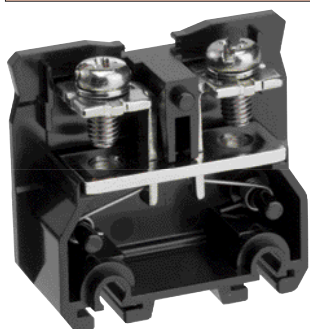
UL 

RoHS10

Spring-loaded

TÜV  CE 

TXU50



Specifications

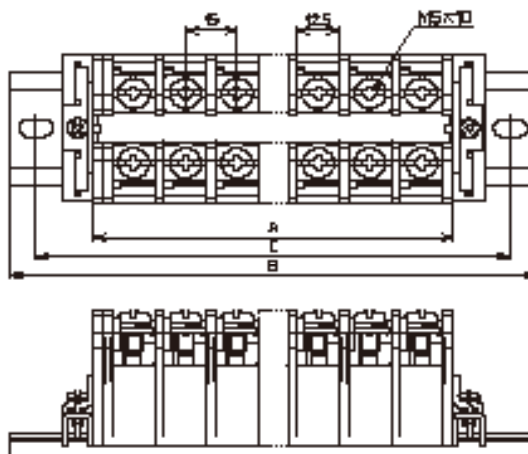
Product Name	● TXU50
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	8000V
Applicable wires Maximum current (In case of crimping connection)	3.5mm ² —30A 5.5mm ² —40A 8mm ² —50A 14mm ² —80A
Current-carrying Current for Heatresistant Wires	14mm ² —82A
Terminal Screw	M5×10 ⊕ Spring-loaded
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	30 pcs

Ratings for Overseas Certification

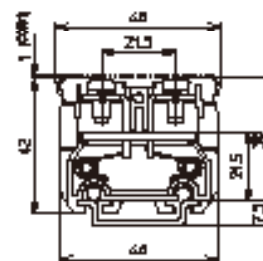
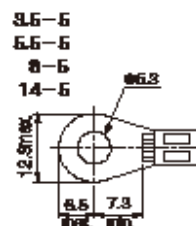
Dielectric strength voltage	UL 600V		EN/IEC 600V	
	Single wire	Stranded wire	Single wire	Stranded wire
Applicable wires for current ratings (AWG)	16~10	16~10	16~8	16~8
	—	*6	—	*6
Current-carrying Current Ratings	30A (*65A)		60A (*80A)	

* Exclusively with cramping terminals

Appearance diagram (Unit:mm)



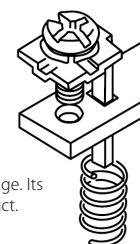
Applicable cramping terminals



■Dimensions after assembly (With Stopper JTXE3)

- Length of unit A = Width of unit (15mm) × poles (P)
+ Thickness of End plate (1 pc = 3mm, 2pc = 6mm))
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

■Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	80A	2	● JTJ802B	10g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC07	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC073	9.5	8	PP (T=0.5mm)	5m	24g
● TXC1	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC13	9.5	8	PP (T=0.5mm)	5m	26g
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXUA5	5g	10 pcs

Cover

Product Name	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TRB3	49× 500	39.5g	5 pcs
● TRB3L	49× 1000	79g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TXU
シリーズ

90A

5.5, 8, 14, 22 mm²

IEC35mm. IEC/ C Dual-use

800V

M6

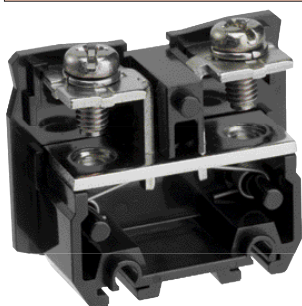
UL  CSA 

RoHS10

Spring-loaded

TÜV  CE 

TXU60



Specifications

Product Name	● TXU60
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	8000V Note
Applicable wires Maximum current (In case of crimping connection)	5.5mm ² —40A 8mm ² —50A 14mm ² —70A 22mm ² —90A
Current-carrying Current for Heatresistant Wires	22mm ² —100A
Terminal Screw	M6×12  Spring-loaded
Tightening torque	4~5N・m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	10 pcs

Ratings for Overseas Certification

	UL	CSA	EN/IEC
Dielectric strength voltage	600V	600V	600V
Applicable wires for current ratings (AWG)	Single wire * 14~10 * 14~4	Stranded wire — * 14~4	Single wire * 14~10 * 14~4
Current-carrying Current Ratings	80A	80A	110A

* Exclusively with crimping terminals

Applicable Accessories

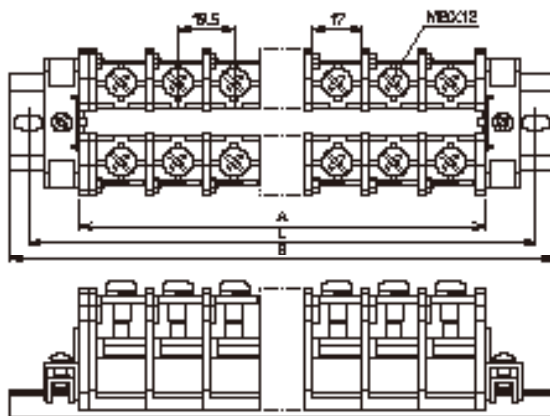
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	19mm	With Coating (Bending)	90A	2	● JTJ602B	15g	10 pcs

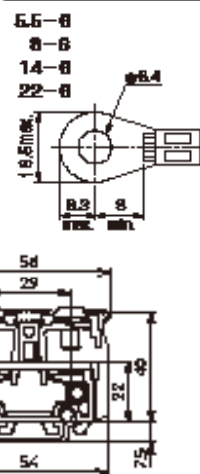
Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC07	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC073	9.5	8	PP (T=0.5mm)	5m	24g
● TXC1	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC13	9.5	8	PP (T=0.5mm)	5m	26g
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Appearance diagram (Unit:mm)



Applicable crimping terminals

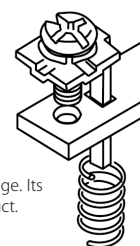


Note: When insulation treatment is applied to the crimped section of the crimp terminal, the impulse withstand voltage shall be 12,000 V.

Dimensions after assembly (With Stopper TXE2)

- Length of unit A=Width of unit (19.5mm) × poles (P)
+ Thickness of End plate (1 pc = 3.5mm, 2pc = 7mm))
- Length of rail B=A + Width of stopper (12mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B - 15mm

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXUA6	6g	5 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB6	56× 500	43g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TXU
Series

130A

22, (30), 38 mm²

IEC35mm. IEC/ C Dual-use

1000V

M8

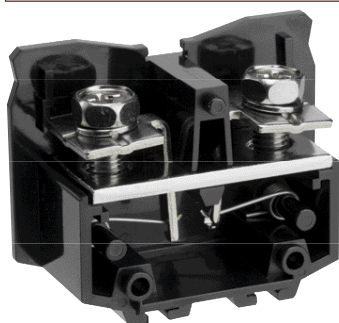
UL  CSA 

RoHS10

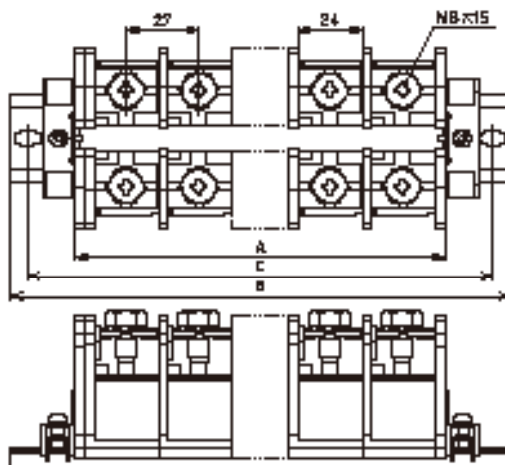
Spring-loaded

TÜV  CE 

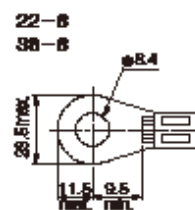
TXU100



Appearance diagram (Unit:mm)



Applicable cramping terminals



Specifications

Product Name	● TXU100
Dielectric strength voltage	1000V
Applicable wires Maximum current (In case of crimping connection)	12000V
Applicable wires Maximum current (In case of crimping connection)	22mm ² - 90A (30mm ² - 110A) 38mm ² - 130A
Current-carrying Current for Heatresistant Wires	38mm ² - 159A
Terminal Screw	M8×15 @ Hex Bolt, Spring-loaded
Tightening torque	8~10N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	6 pcs

■ Dimensions after assembly (With Stopper TXE2)

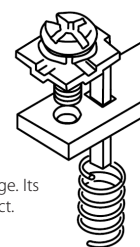
- Length of unit A = Width of unit (27mm) × poles (P)
+ Thickness of End plate (1 pc = 4mm, 2pc = 8mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		CSA	EN/IEC	
Dielectric strength voltage	600V		600V	600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	—	Single wire	Stranded wire
	—	* 8~2	* 8~2	—	* 8~2
Current-carrying Current Ratings	115A		115A	140A	

* Exclusively with cramping terminals

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

■ Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	26mm	With Coating (Bending)	130A	2	● JTJ1002B	34g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TXC07	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC073	9.5	8	PP (T=0.5mm)	5m	24g
● TXC1	9.5	8	PVC (T=0.5mm)	5m	37g
● TXC13	9.5	8	PP (T=0.5mm)	5m	26g
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TXUA10	14g	5 pcs

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TRB10N	75 × 500	57g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TTG • TT Series

Product Line-up/ Common Specifications/ Materials

Screw terminal block (Rail-mount)

Product Line-up

■ 2-tier Type Terminal block

The two-tier terminal block is ideal when many control circuit terminals are required in a limited space.

- The upper and lower terminals are offset by half a pole, allowing wiring from either the upper or lower side.
- In addition to standard screw terminals, spring-loaded terminals are also available. These allow ring-type crimp terminals to be connected without removing the screw, greatly reducing wiring time.
- A globally compliant product, certified to cULus and EN/IEC standards.

Series Name	Abstract	Rated Insulation Voltage	Ratings ^{Note1}	Terminal screw ^{Note2}	Product Name	Rough Weight per 1 poles
TTG	• A globally compliant product certified to c-UL-us and EN/IEC standards. It is also approved for UL field wiring. • The snap-on mounting system allows easy installation or removal between existing units. • The lower terminal plate has been made flat, making wiring work easier and more efficient.	800V	2mm ² [20A]	M3×8 ⊕ Standard screw	TTG203	17g
				M3×8 ⊕ Spring-loaded screw terminal	TTG20U3	19g
			5.5mm ² [40A]	M3.5×8 ⊕ Standard screw	TTG2035	19g
				M3.5×8 ⊕ Spring-loaded screw terminal	TTG20U35	21g
				M4×10 ⊕ Standard screw	TTG40	30g
				M4×8.5 ⊕ Spring-loaded screw terminal	TTG40U	32g
TT	• This is a standard 2-tier Type Terminal block.	600V	1.25mm ² [15A]	M3×8 ⊕ Standard screw	TT10SK	16g
				M3×8 ⊕ Spring-loaded screw terminal	TT10SUK	18g
			2mm ² [20A]	M3.5×8 ⊕ Standard screw	TT10SKM35	18g
				M3.5×8 ⊕ Spring-loaded screw terminal	TT10SUKM35	20g
			3.5mm ² [30A]	M4×10 ⊕ Standard screw	TT20K	29g
				M4×10 ⊕ Spring-loaded screw terminal	TT20UK	31g

Note1 Ratings are recommended values with usage in compliance to JIS standards.

Note2 As for the Symbols in Terminal screw columns, ⊕ is plus/minus screw.

Common Specifications

Operational Ambience Temperature Range	—25~+55°C (without Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	2500V 1 Min.
Impulse Withstanding Voltage	TTG 6000V(TTG20(U)3, TTG20(U)35) ^{Note1} 8000V(TTG40, TTG40U) TT 6000V
Conformed Standards	JIS C8201-7-1 ^{Note2} , NECA C2811 (JIS C2811) ^{Note3} UL1059 (TTG series) EN/IEC60947-7-1 (TTG series)

Note1: As for TTG20(U)3 and TTG20(U)35, when the crimped section of the solderless terminal is insulated, the Impulse Withstanding voltage becomes 8,000 V.

Note 2: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 3: NECA C2811 is a standard conforming to the contents of JIS C2811.

Materials

Name	Materials	Flame retardance grade
Terminal Base	Polycarbonate (Black)	UL94V-0 UL94V-2 (only TT)
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	TTG Copper Alloy (Nickel plating)	—
	TT Brass (Nickel plating)	—
Seal for legends	Fiber Vinyl chloride Polypropylene	—
Cover	Polycarbonate	UL94V-2 Equivalent

TTG • TT Series

Product Line-up/ Common Specifications/ Materials

Ratings for Overseas Certification

■ The Ratings used as conforming products to UL/cULus

TTG series Terminal block series of Terminal Blocks are certified products by cULus.

The ratings in using products as the cULus conformed ones are as shown below:



File No.:E114903

Product Name		UL Standards (UL1059)						c-UL-us Standards (CSA Standards C22-2 No.158)			
		Ratings Voltage (V)	Ratings Current (A)	Applicable wires(AWG/MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} (AWG/MCM)	Tightening Torque (N·m)
Standard screw	Spring-loaded screw terminal			Single wire	Stranded wire						
TTG203	TTG20U3	600	15	20~14	20~14	2	0.9	600	15	20~14	0.9
TTG2035	TTG20U35	600	15	20~14	20~14	2	1.3	600	15	20~14	1.3
TTG40	TTG40U	600	30	* 10	* 10	2	1.8	600	30	18~* 10	1.8
			25	18~12	18~12	2					

Note1: The above list applies to connection by bare copper or by crimp terminals. As for Applicable Wires, however, values with * are only for connection by crimp terminals. Please use only crimp terminals with UL or cULus conformance.

Note2: FW1: Wirings at factory, FW2: Wirings at factory and in-field

Note3: If products are used at UL Ratings, connect only one wire to one terminal.

■ The Ratings used as conforming products to EN/IEC

TTG series Terminal Blocks are certified by TÜV, an international third-party certification organization, to conform to EN/IEC standards, enabling smoother verification of CE marking compliance for machinery.

The ratings when used as EN/IEC-compliant products are as follows:



License No.:R9551560

Product Name		Ratings Voltage (V)	Impulse Withstanding Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note}		Tightening torque (N·m)	Connectable Wires
Standard screw	Spring-loaded screw terminal				Single wire	Stranded wire		
TTG203	TTG20U3	600	6000	20	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	0.9	1 or 2
TTG2035	TTG20U35	600	6000	20	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	1.3	1 or 2
TTG40	TTG40U	600	6000	40	18~10 (0.75-6mm ²)	18~10 (0.75-6mm ²)	1.8	1 or 2

Note: The above table applies to both bare copper wire connections and crimp terminal connections. Please note the following points:

For crimp terminal connections: Use insulated crimp terminals, or insulate bare crimp terminals with sleeves, tubes, or tape.

When connecting two bare wires: Use wires of the same size and type (solid or stranded). Do not connect wires of different sizes or types.

Screw
Rail-mount
Terminal Block

TTG
Series

20A

800V

2 段

RoHS 10

0.75, 1.25, 2 mm²

M3

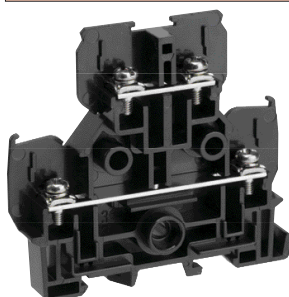
Standard Screw

IEC35mm. IEC/ C Dual-use

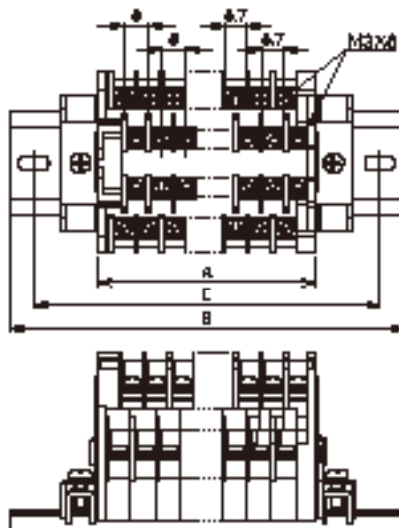
cULus 

TÜV  CE 

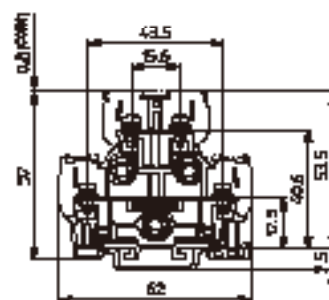
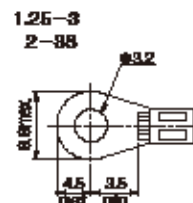
TTG203



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TTG203
Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal Screw	M3 × 8 ⊕ Standard Screw
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs

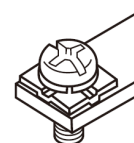
■ Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A = Width of unit (8mm) × Number of Unit + Thickness of End plate (8mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

Dielectric strength voltage	UL 600V		EN/IEC 600V	
	Single wire	Stranded wire	Single wire	Stranded wire
Applicable wires for current ratings (AWG)	20~14	20~14	20~14	20~14
Current-carrying Current Ratings	15A		20A	

Standard Screw



Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
		With Coating		20	● TJ1204A	9.5g	10 pcs
				2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
	16mm (Every 2-pole)	With Coating (Bending)		20	● TJ1204B	11.5g	10 pcs
				6	● TJ164C	3g	10 pcs
				2	● JTJ024BB	1.5g	10 pcs
				8	● JTJ084BB	3.5g	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTGA20	13g	A・B5 sets

Cover

Product Name	Applicable Terminal Block	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TTB2	For Lower Tier of 2-tier	10.4 × 500	7g	5 pcs
● TTB2L	Terminal Block	10.4 × 1000	14g	5 pcs
● TTGB2L	For Lower Tier of 2-tier Terminal Block	15.5 × 1000	11g	5 pcs
● TTB3	For Upper Tier of 2-tier	34 × 500	17g	5 pcs
● TTB3L	Terminal Block	34 × 1000	34g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TR10STANSHINEJI	100 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TTG
Series

20A

800V

2-tier

RoHS 10

0.75, 1.25, 2 mm²

M3

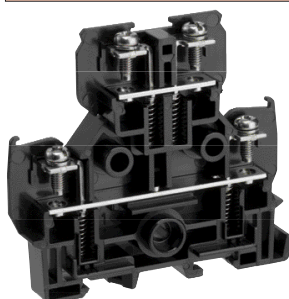
Spring-loaded

IEC35mm. IEC/ C Dual-use

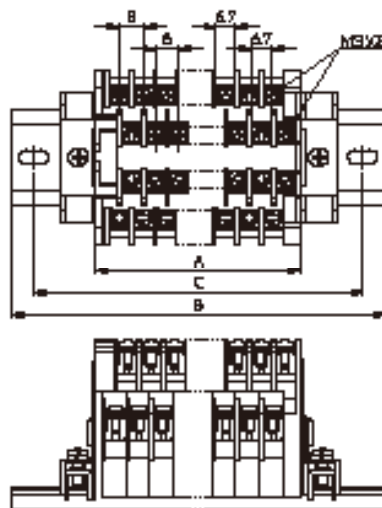
cULus 

TÜV  CE 

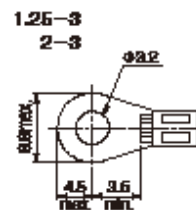
TTG20U3



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TTG20U3
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² - 10A 1.25mm ² - 15A 2mm ² - 20A
Terminal Screw	M3 × 8  Spring-loaded
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs

■ Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A = Width of unit (8mm) × Number of Unit + Thickness of End plate (8mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	20~14	20~14	20~14	20~14
Current-carrying Current Ratings	15A		20A	

Applicable Accessories

Short Bar

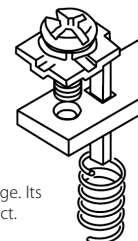
Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
				20	● TJ1204A	9.5g	10 pcs
		With Coating		2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
				Without Coating (Bending)	6	● TJ164C	3g
	16mm (Every 2-pole)	With Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs
				8	● JTJ084BB	3.5g	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTGA20	13g	A·B5 sets

Cover

Product Name	Applicable Terminal Block	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TTB2	For Lower Tier of 2-tier	10.4 × 500	7g	5 pcs
● TTB2L	Terminal Block	10.4 × 1000	14g	5 pcs
● TTGB2L	For Lower Tier of 2-tier Terminal Block	15.5 × 1000	11g	5 pcs
● TTB3	For Upper Tier of 2-tier	34 × 500	17g	5 pcs
● TTB3L	Terminal Block	34 × 1000	34g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TR10STANSHINEJI	100 pcs

Stopper

[Stopper Data Sheet](#)

Rail

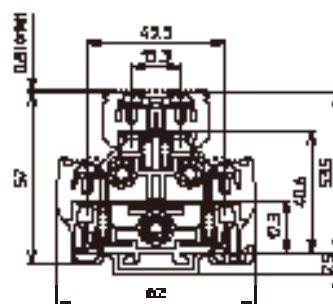
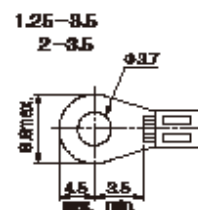
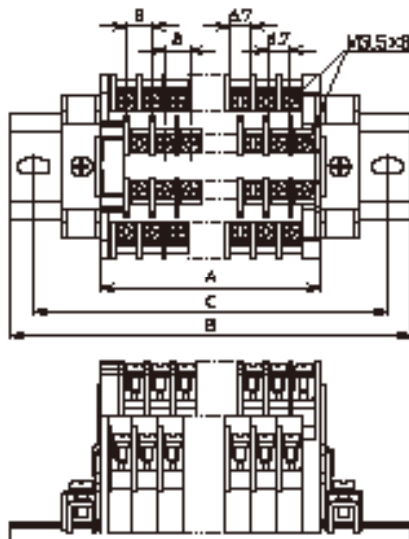
[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TTG
Series

TÜV CE

Product Name	● TTG2035
Dielectric strength voltage	800V
Applicable wires	0.75mm ² —10A
Maximum current (In case of crimping connection)	1.25mm ² —15A 2mm ² —20A
Terminal Screw	M3.5×8 ± Standard Screw
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs



- Length of unit A = Width of unit (8mm) × Number of Unit + Thickness of End plate (8mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Dielectric strength voltage	UL 600V		EN/IEC 600V	
	Single wire	Stranded wire	Single wire	Stranded wire
	20~14	20~14	20~14	20~14
Current-carrying Current-Ratings	15A		20A	

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Qty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
				20	● TJ1204A	9.5g	10 pcs
		With Coating		2	● JTJ1248B	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
		20		● TJ1204B	11.5g	10 pcs	
	Without Coating (Bending)	6		● TJ164C	3g	10 pcs	
	16mm (Every 2-pole)	With Coating (Bending)		2	● JTJ0248B	1.5g	10 pcs
				8	● JTJ0848B	3.5g	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC	5m	37g
● TRC22L100			(T = 0.5mm)	100m	740g
● TRC23			PP	5m	24g
● TRC23L100			(T = 0.5mm)	100m	480g

Product Name	Rough weight per 1pc	Included Q'ty
● TTGA20	13g	A•B5 sets

Product Name	Applicable Terminal Block	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TTB2	For Lower Tier of 2-tier	10.4× 500	7g	5 pcs
● TTB2L	Terminal Block	10.4× 1000	14g	5 pcs
● TTGB2L	For Lower Tier of 2-tier Terminal Block	15.5× 1000	11g	5 pcs
● TTB3	For Upper Tier of 2-tier	34× 500	17g	5 pcs
● TTB3L	Terminal Block	34× 1000	34g	5 pcs

Product Name	Lot for Sales
TX10STANSHINEJI	100 pcs

Stopper Data Sheet

Rail Data Sheet

99



Screw
Rail-mount
Terminal Block

TTG
Series

20A

800V

2 段

RoHS 10

0.75, 1.25, 2 mm²

M3.5

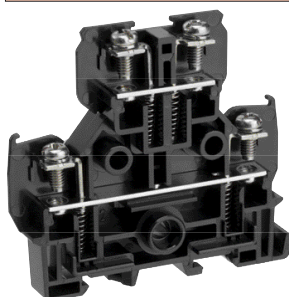
Spring-loaded

IEC35mm. IEC/ C Dual-use

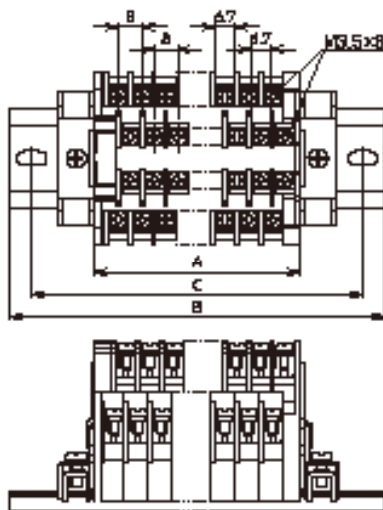
cULus 

TÜV  CE 

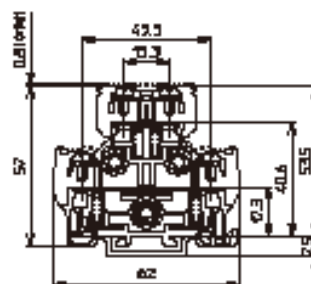
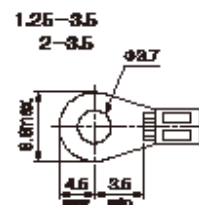
TTG20U35



Appearance diagram (Unit:mm)



Applicable crimping terminals



Specifications

Product Name	● TTG20U35
Dielectric strength voltage	800V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal Screw	M3.5×8 Spring-loaded
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs

■ Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A=Width of unit (8mm) × Number of Unit
+ Thickness of End plate (8mm)
- Length of rail B=A+Width of stopper (12mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	20~14	20~14	20~14	20~14
Current-carrying Current Ratings	15A		20A	

Applicable Accessories

Short Bar

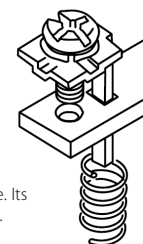
Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Qty
	8mm	Without Coating	20A	6	● TJ164A	3g	10 pcs
		With Coating		20	● TJ1204A	9.5g	10 pcs
				2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
		Without Coating (Bending)		6	● TJ164C	3g	10 pcs
	16mm (Every 2-pole)	With Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs
				8	● JTJ084BB	3.5g	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T=0.5mm)	5m	32g
● TRC22			PVC (T=0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T=0.5mm)	5m	24g
● TRC23L100				100m	480g

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTGA20	13g	A·B5 sets

Cover

Product Name	Applicable Terminal Block	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TTB2	For Lower Tier of 2-tier	10.4×500	7g	5 pcs
● TTB2L	Terminal Block	10.4×1000	14g	5 pcs
● TTGB2L	For Lower Tier of 2-tier Terminal Block	15.5×1000	11g	5 pcs
● TTB3	For Upper Tier of 2-tier	34×500	17g	5 pcs
● TTB3L	Terminal Block	34×1000	34g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

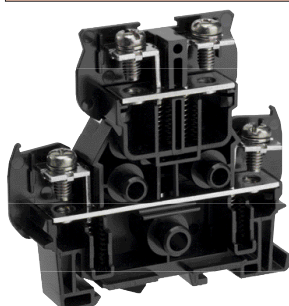
[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TTG
Series

TÜV CE

TTG40U



- Length of unit A = Width of unit (11mm) × Number of Unit + Thickness of End plate (10.5mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Dielectric strength voltage Applicable wires for current ratings (AWG) Current-carrying Current Ratings	UL 600V		EN/IEC 600V	
	Single wire	Stranded wire	Single wire	Stranded wire
	18~*10	18~*10	18~10	18~10
	18~12	18~12		
	18~*10 : 30A 18~12 : 25A		40A	

* Exclusively with cramping terminals

The figure of a spring is an image. Its real figure differs in each product.

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11mm	With Coating	40A	2	● JTJ224B	2g	10 pcs
				6	● JTJ264B	6g	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Product Name	Dimensions (mm)		Material	L	Rough Weight		
	A	W					
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g		
● TRC22			PVC	5m	37g		
● TRC22L100			(T = 0.5mm)	100m	740g		
● TRC23			PP	5m	24g		
● TRC23L100			(T = 0.5mm)	100m	480g		

Product Name	Rough weight per 1pc	Included Q'ty
● TTGA40	22g	A+B 5 sets

Product Name	Applicable Terminal Block	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Qty
● TXB2	For Upper Tier of 2-tier	39 × 500	19g	5 pcs
● TXB2L	Terminal Block	39 × 1000	38g	5 pcs
● TTB2	For Lower Tier of 2-tier	10.4 × 500	7g	5 pcs
● TTB2L	Terminal Block	10.4 × 1000	14g	5 pcs
● TTGB4L	For Lower Tier of 2-tier Terminal Block	17 × 1000	12g	5 pcs

Stopper Data Sheet

Rail Data Sheet

●…Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TT
Series

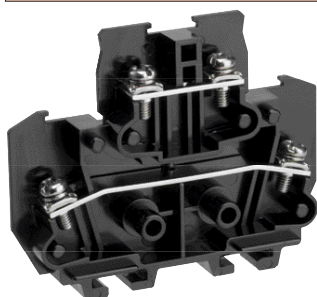
15A
0.75, 1.25, 2 mm²
IEC35mm. IEC/ C Dual-use

600V
M3

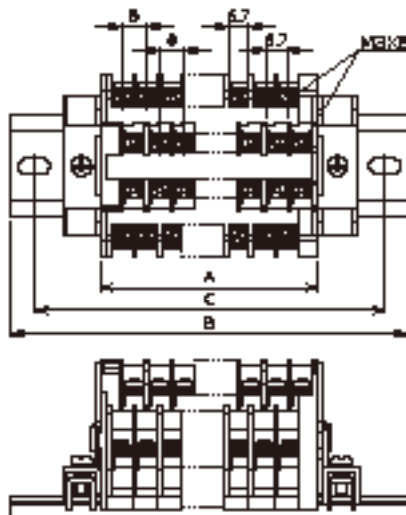
2 段

RoHS 10
Standard Screw

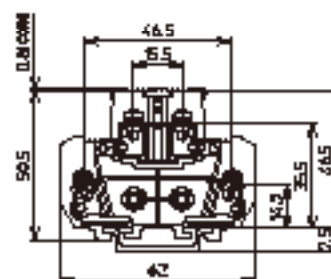
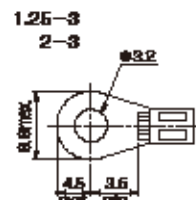
TT10SK



Appearance diagram (Unit:mm)



Applicable cramping terminals



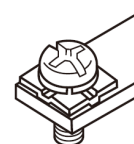
Specifications

Product Name	● TT10SK
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² - 10A 1.25mm ² - 15A 2mm ² - 20A
Terminal Screw	M3 × 8 ± Standard Screw
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-2
Included Q'ty per 1 package	20 pcs

■Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A=Width of unit (8mm) × Number of Unit
+ Thickness of End plate (8mm))
- Length of rail B=A+Width of stopper (12mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Standard Screw



■Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ161A	2.5g	10 pcs
				20	● TJ1201A	9g	10 pcs
		With Coating		2	● TJ121B	0.9g	10 pcs
				6	● TJ161B	3g	10 pcs
		Without Coating (Bending)		20	● TJ1201B	10g	10 pcs
				6	● TJ161C	2.5g	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTA1SK	12.7g	A・B 5 sets

Cover

Product Name	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TTB1S	31.5 × 500	21g	5 pcs
● TTB1SL	31.5 × 1000	42g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TR10STANSHINEJI	100 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TT
Series

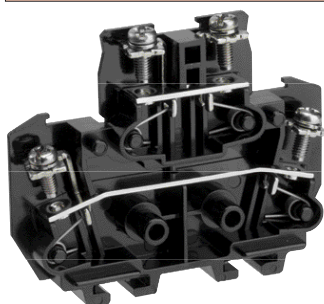
15A
0.75, 1.25, 2 mm²
IEC35mm. IEC/ C Dual-use

600V
M3

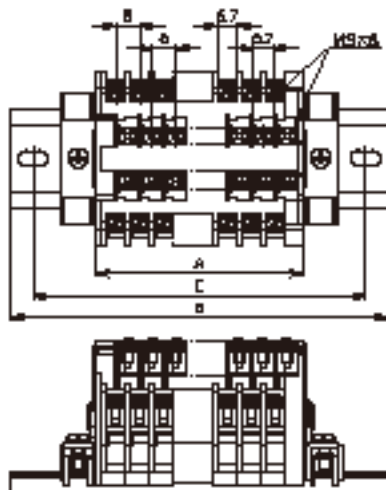
2-tier

RoHS 10
Spring-loaded

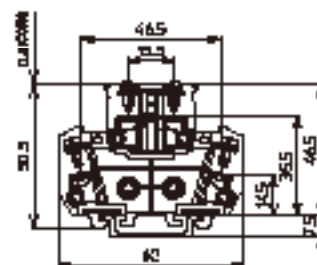
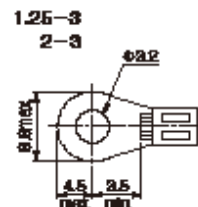
TT10SUK



Appearance diagram (Unit:mm)



Applicable cramping terminals



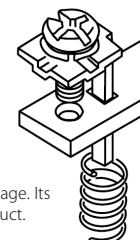
Specifications

Product Name	● TT10SUK
Dielectric strength voltage	600V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal Screw	M3×8 ± Spring-loaded
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-2
Included Q'ty per 1 package	20 pcs

■ Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A = Width of unit (8mm) × Number of Unit + Thickness of End plate (8mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

■ Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ161A	2.5g	10 pcs
		With Coating		20	● TJ1201A	9g	10 pcs
				2	● TJ121B	0.9g	10 pcs
				6	● TJ161B	3g	10 pcs
				20	● TJ1201B	10g	10 pcs
		Without Coating (Bending)		6	● TJ161C	2.5g	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTA15K	12.7g	A・B 5 sets

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TTB1S	31.5 × 500	21g	5 pcs
● TTB1SL	31.5 × 1000	42g	5 pcs

Stopper

Stopper Data Sheet

Rail

Rail Data Sheet

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TT
Series

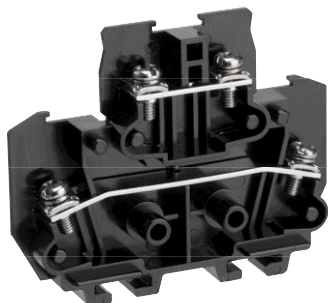
20A
0.75, 1.25, 2 mm²
IEC35mm. IEC/ C Dual-use

600V
M3.5

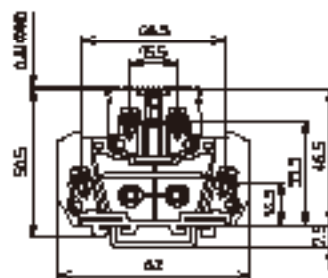
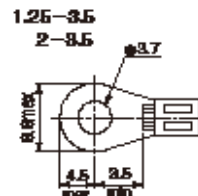
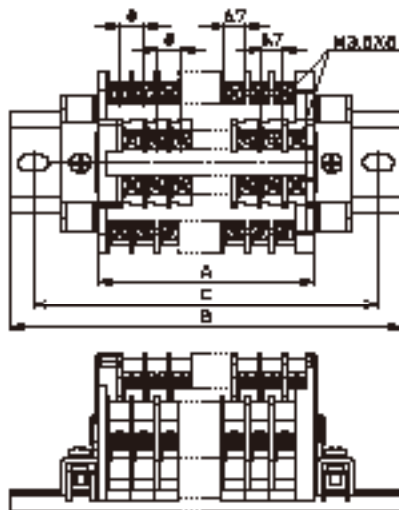
2-tier

RoHS 10
Standard Screw

TT10SKM35



Appearance diagram (Unit:mm)



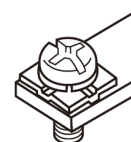
Specifications

Product Name	● TT10SKM35
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² - 10A 1.25mm ² - 15A 2mm ² - 20A
Terminal Screw	M3.5×8 ± Standard Screw
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-2
Included Q'ty per 1 package	20 pcs

■ Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A = Width of unit (8mm) × Number of Unit + Thickness of End plate (8mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Standard Screw



■ Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	Without Coating	20A	6	● TJ161A	2.5g	10 pcs
		With Coating		20	● TJ1201A	9g	10 pcs
				2	● TJ121B	0.9g	10 pcs
				6	● TJ161B	3g	10 pcs
				20	● TJ1201B	10g	10 pcs
		Without Coating (Bending)		6	● TJ161C	2.5a	10 pcs

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTA15K	12.7g	A・B 5 sets

Cover

Product Name	W×L [For Ref.] (mm)	Rough weight per 1pc	Included Q'ty
● TTB1S	31.5× 500	21g	5 pcs
● TTB1SL	31.5× 1000	42g	5 pcs

Terminal Screw

Product Name	Lot for Sales
TX10STANSHINEJI	100 pcs

Stopper

[Stopper Data Sheet](#)

Rail

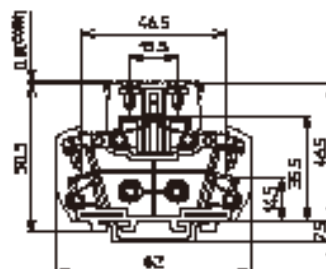
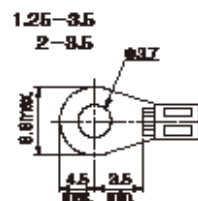
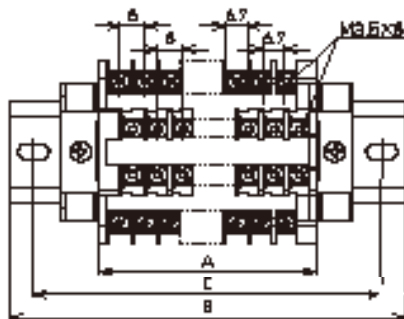
[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TT
Series

IEC35mm. IEC/ C Dual-use

Product Name	● TT10SUKM35
Dielectric strength voltage	600V
Applicable wires	0.75mm ² - 10A
Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A
Terminal Screw	M3.5 × 8 ± Spring-loaded
Tightening torque	1.0 ~ 1.3N・m
Flame retardance grade	UL94V-2
Included Q'ty per 1 package	20 pcs



- Length of unit A = Width of unit (8mm) × Number of Unit + Thickness of End plate (8mm))
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B – 15mm

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Qty
	8mm	Without Coating	20A	6	● TJ161A	2.5g	10 pcs
				2	● TJ1201A	9g	10 pcs
		With Coating		2	● TJ121B	0.9g	10 pcs
				6	● TJ161B	3g	10 pcs
		Without Coating (Bending)		20	● TJ1201B	10g	10 pcs
				6	● TJ161C	2.5a	10 pcs

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC	5m	37g
● TRC22L100			(T = 0.5mm)	100m	740g
● TRC23			PP	5m	24g
● TRC23L100			(T = 0.5mm)	100m	480g

Product Name	Rough weight per 1pc	Included Q'ty
● TTA1SK	12.7g	A•B5 sets

Product Name	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TTB1S	31.5× 500	21g	5 pcs
● TTB1SL	31.5× 1000	42g	5 pcs

Screw
Rail-mount
Terminal Block

TT
Series

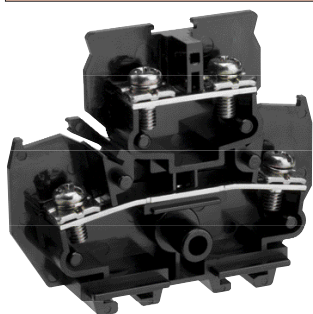
30A
1.25, 2, 3.5 mm²
IEC35mm. IEC/ C Dual-use

600V
M4

2 段

RoHS 10
Standard Screw

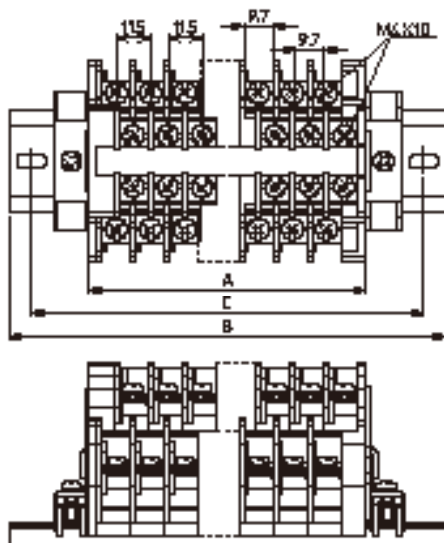
TT20K



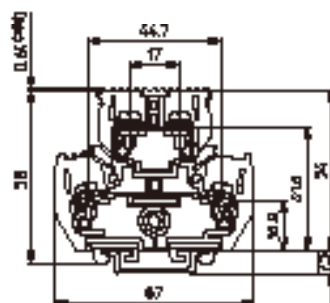
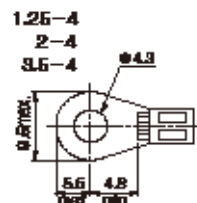
Specifications

Product Name	● TT20K
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A 3.5mm ² - 30A
Terminal Screw	M4 × 10 ⊕ Standard Screw
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-2
Included Q'ty per 1 package	20 pcs

Appearance diagram (Unit:mm)



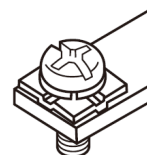
Applicable crimping terminals



■ Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A = Width of unit (11.5mm) × Number of Unit + Thickness of End plate (10.5mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Standard Screw



Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11.5mm	Without Coating	30A	6	● TJ262A	5g	10 pcs
		With Coating		2	● TJ222B	2g	10 pcs
				6	● TJ262B	6g	10 pcs
				Without Coating (Bending)	6	● TJ262C	5g

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTA2K	22g	A·B5 Sets

Cover

Product Name	Applicable Terminal Block	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TXB2	For Upper Tier of 2-tier	39 × 500	19g	5 pcs
● TXB2L	Terminal Block	39 × 1000	38g	5 pcs
● TTB2	For Lower Tier of	10.4 × 500	7g	5 pcs
● TTB2L	2-tier Terminal Block	10.4 × 1000	14g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Rail-mount
Terminal Block

TT
Series

30A

600V

2-tier

RoHS 10

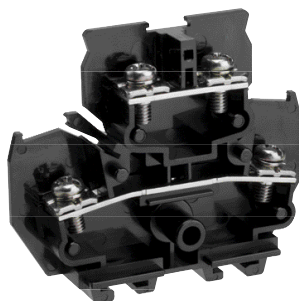
1.25, 2, 3.5 mm²

M4

Spring-loaded

IEC35mm. IEC/ C Dual-use

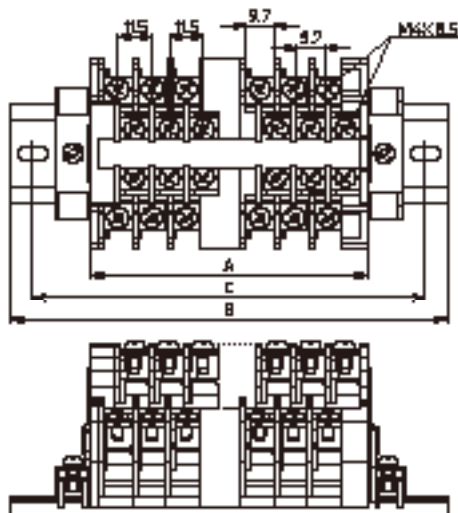
TT20UK



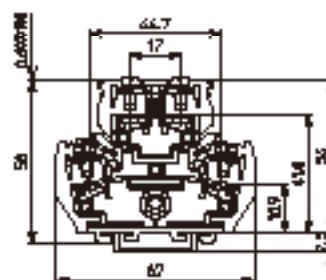
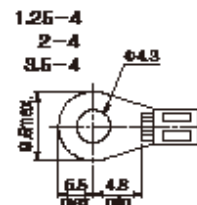
Specifications

Product Name	● TT20UK
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	1.25mm ² —15A 2mm ² —20A 3.5mm ² —30A
Terminal Screw	M4×8.5± Spring-up
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-2
Included Q'ty per 1 package	20 pcs

Appearance diagram (Unit:mm)



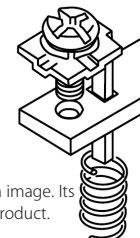
Applicable crimping terminals



■Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A=Width of unit (11.5mm) × Number of Unit + Thickness of End plate (10.5mm)
- Length of rail B=A + Width of stopper (12mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B - 15mm

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

■Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty	
	11.5mm	Without Coating	30A	6	● TJ262A	5g	10 pcs	
		With Coating		2	● TJ222B	2g	10 pcs	
		Without Coating (Bending)		6	● TJ262B	6g	10 pcs	
				6	● TJ262C	5g	10 pcs	

Note: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTA2K	22g	A・B5 Sets

Cover

Product Name	Applicable Terminal Block	W×L (For Ref.) (mm)	Rough weight per 1pc	Included Q'ty
● TXB2	For Upper Tier of 2-tier	39 × 500	19g	5 pcs
● TXB2L	Terminal Block	39 × 1000	38g	5 pcs
● TTB2	For Lower Tier of	10.4 × 500	7g	5 pcs
● TTB2L	2-tier Terminal Block	10.4 × 1000	14g	5 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

TFP • TTFP • TFE Series

Product Line-up/ Common Specifications/ Materials

Screw terminal block (Rail-mount)

Product Line-up

■ Finger Protection Terminal block

The Finger Protection terminal block is designed with safety in mind and does not require a separate terminal cover. Its finger-protect structure completely shields the live parts of the terminals, making it ideal when enhanced safety is required.

• A globally compliant product conforming to cULus and EN/IEC standards. In addition, it meets UL field wiring requirements and is certified by TÜV for IP20 protection.

• The protection grade by IEC 60529 protection grade is IP20.

• A version that can be grounded to a steel rail (TFE series) is also available. The body color is two-tone green and amber, making it easy to distinguish from standard terminals.

• The terminal screws employ a spring-loaded type (not touch-lock type).

Series Name	Abstract	Rated Insulation Voltage	Ratings ^{Note1}	Terminal screw ^{Note2}	Product Name	Rough Weight per 1 pole
TFP	A finger-protect type terminal block compliant with UL field wiring requirements and TÜV IP20 standards. The body color is gray.	800V	1.25mm ² [15A]	M3×8 ⊕ Spring-loaded screw terminal	TFP15	7g
			2mm ² [20A]	M3.5×8 ⊕ Spring-loaded screw terminal	TFP20	9g
			5.5mm ² [40A]	M4×8.5 ⊕ Spring-loaded screw terminal	TFP40	14g
			14mm ² [80A]	M5×10 ⊕ Spring-loaded screw terminal	TFP80	29g
TTFP	A two-tier finger-protect type terminal block. The body color is gray.	800V	2mm ² [20A]	M3×8 ⊕ Spring-loaded screw terminal	TTFP203	20g
				M3.5×8 ⊕ Spring-loaded screw terminal	TTFP2035	21g
TFE	A finger-protect type grounding terminal block that can be grounded through the rail. Comes with a PE marking label. The body color is two-tone green and amber.	600V	2mm ²	M3.5×8 ⊕ Spring-loaded screw terminal	TFE20	26g
			5.5mm ²	M4×8.5 ⊕ Spring-loaded screw terminal	TFE40	33g

Note1 Ratings are recommended values with usage in compliance to JIS standards.

Note2 As for the Symbols in Terminal screw columns, ⊕ is plus/minus screw.

Common Specifications

Operational Ambience Temperature Range	−25~+55°C (without Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature rise	Max. 45°C 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
Commercial Frequency Withstanding Voltage	2500V 1 Min.
Impulse Withstanding Voltage	6000V(TFP15, TFP20, TTFP203, TTFP2035) ^{Note1} 8000V(TFP40, TFP80)
Conformed Standards	JIS C8201-7-1 ^{Note2} JIS C8201-7-2, NECA C2811 (JIS C2811) ^{Note3} , UL1059, EN/IEC60947-7-1, EN/IEC60947-7-2

Note 1: When the crimped section of the solderless terminal is insulated, the Impulse Withstanding voltage becomes 8,000 V.

Note 2: As of May 2010, JIS C2811 has been replaced by JIS C8201-7-1.

Note 3: NECA C2811 is a standard conforming to the contents of JIS C2811.

Materials

Name	Materials	Flame retardance grade
Terminal Base	Polycarbonate	UL94V-0
Terminal screws	Steel (Zinc plated Chromate Treatment)	—
Conducting Plate	Brass (Nickel plating)	—
Seal for legends	Fiber Vinyl chloride Polypropylene	—

Precautions for PE Terminal Block (TFE Series)

- When mounted on the rail, the terminal is electrically connected to the rail (using an IEC 35 mm steel rail).
 - When repositioning the terminal, remove it from the rail first, then reinstall it.
 - Do not route shield grounding wires and protective grounding wires on the same rail, as surge current may cause malfunction.
 - This terminal block is intended for use as a PE (Protective Earth).
- It must not be used as a PEN (a combined Protective Earth and Neutral conductor).

TFP • TTFP • TFE Series

Product Line-up/ Common Specifications/ Materials

Ratings Compliant to Overseas Standards

■ The Ratings used as conforming products to UL/cULus

TFP, TTFP, and TXU series of Terminal Blocks are certified products by cULus.
The ratings in using products as the cULus conformed ones are as shown below:



Product Name Note3	UL Standard (UL1059)						cULus Standard (CSA Standard C22-2 No.158)			
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} (AWG/MCM)	Tightening Torque (N·m)
			Single wire	Stranded wire						
TFP15	600	10	20~16	20~16	2	0.9	600	10	20~16	0.9
TFP20	600	20	20~14	* 20~14	2	1.3	600	20	20~* 14	1.3
TFP20+	600	15	20~14	20~14	2	1.3	—	—	—	—
TFP40	600	30	18~10	* 18~10	2	1.8	600	30	18~* 10	1.8
TFP40+	600	25	18~12	18~12	2	1.8	—	—	—	—
TFP80	600	65	16~6	* 16~6	2	2.7	600	65	16~* 6	2.7
TFP80+	600	30	14~12	—	2	2.7	—	—	—	—
TTFP203	600	15	20~14	20~14	2	0.9	600	15	20~14	0.9
TTFP2035	600	15	20~14	20~14	2	1.3	600	15	20~14	1.3
TFE20	600	—	20~14	* 20~14	2	1.3	600	—	20~* 14	1.3
TFE20+	600	—	20~16	18~14	2	1.3	—	—	—	—
TFE40	600	—	18~10	* 18~10	2	1.8	600	—	18~* 10	1.8
TFE40+	600	—	16~12	16	2	1.8	—	—	—	—

Note1 The above list applies to connection by bare copper or by crimp terminals. As for Applicable Wires, however, values with * are only for connection by crimp terminals. Please use only crimp terminals with UL or cULus conformance.

Note2 FW1: Wirings at factory, FW2: Wirings at factory and in-field

Note3 As for TFP20, TFP40, TFP80, TFE20, and TFE40 used without crimp terminals, apply ratings for the product names with (+) at the end.

Note4 If products are used at UL Ratings, connect only one wire to one terminal.

■ The Ratings used as conforming products to EN/IEC

The TFP, TTFP and TFE series terminal blocks are certified by TÜV, an international third-party certification organization, to conform to EN/IEC standards, enabling smoother verification of CE marking compliance for machinery.
The ratings when used as EN/IEC-compliant products are as follows:



License No.: R2050847, R2050848, R9551560

Product Name	Ratings Voltage (V)	Impulse Withstanding Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		Tightening torque (N·m)	Connectable Wires	Protection Grade IP ^{Note2}
				Single wire	Stranded wire			
TFP15	600	6000	15	20~16 (0.5-1.5mm ²)	20~16 (0.5-1.5mm ²)	0.9	1 or 2	IP20
TFP20	600	6000	20	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	1.3	1 or 2	IP20
TFP40	600	6000	40	18~10 (0.75-6mm ²)	18~10 (0.75-6mm ²)	1.8	1 or 2	IP20
TFP80	600	6000	60	16~10 (1.5-6mm ²)	16~8 (1.5-10mm ²)	2.8	1 or 2	IP20
			80	—	* 6 (16mm ²)			
TTFP203	600	6000	20	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	0.9	1 or 2	IP20
TTFP2035	600	6000	20	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	1.3	1 or 2	IP20
TFE20	600	6000	—	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	1.3	1 or 2	IP20
TFE40	600	6000	—	18~10 (0.75-6mm ²)	18~10 (0.75-6mm ²)	1.8	1 or 2	IP20

Note 1: The above table applies to both bare copper wire connections and crimp terminal connections. However, wire types marked with an asterisk (*) are for crimp terminal connections only.

Please note the following points:

For crimp terminal connections: Use insulated crimp terminals, or insulate bare crimp terminals with sleeves, tubes, or tape.

When connecting two bare wires: Use wires of the same size and type (solid or stranded). Do not connect wires of different sizes or types.

Note 2: The TFP, TTFP, and TFE series are compliant with IP20 protection for both the screw head side and the wire insertion side. However, when using wire terminals, always ensure insulation by using insulated crimp terminals or applying insulation to bare crimp terminals with sleeves, tubes, or similar materials.

Finger Protect
Rail-mount
Terminal Block

TFP
Series

20A

0.75, 1.25, 2 mm²

IEC35mm. IEC/ C Dual-use

800V

M3.5

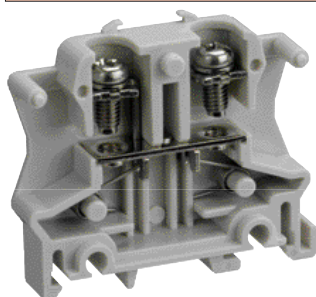
cULus c  us

RoHS10

Spring-loaded

TÜV  CE 

TFP20



Specifications

Product Name	● TFP20
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² - 10A 1.25mm ² - 15A 2mm ² - 20A
Current-carrying Current for Heatresistant Wires	2mm ² - 26A
Terminal Screw	M3.5×8 ± Spring-loaded
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	20~14 (20~14)	20~14 (20~14)	20~14	20~14
Current-carrying Current Ratings	20A (15A)		20A	

* Rating inside () are those without using crimp terminals.

Applicable Accessories

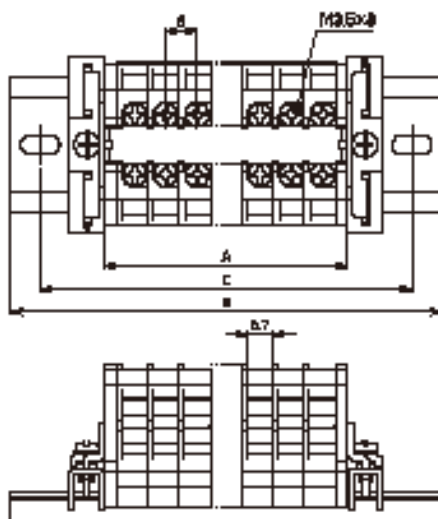
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	8mm	With Coating	20A	2	● JTJ124BB	1g	10 pcs
				6	● TJ164B	3.5g	10 pcs
				20	● TJ1204B	11.5g	10 pcs
	16mm (Every 2-pole)	With Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs
				8	● JTJ084BB	3.5g	10 pcs

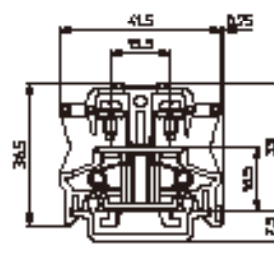
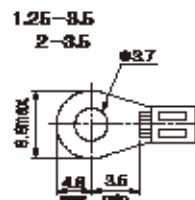
Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Appearance diagram (Unit:mm)



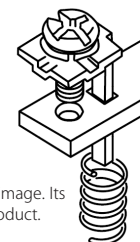
Applicable crimping terminals



Dimensions after assembly (With Stopper JTXE3)

- Length of unit A = Width of unit (8mm) × Number of Pole (P)
+ Thickness of End plate (1 sheet 3mm, 2 sheets 6mm)
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TFPA20	2.5g	10 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Finger Protect
Rail-mount
Terminal Block

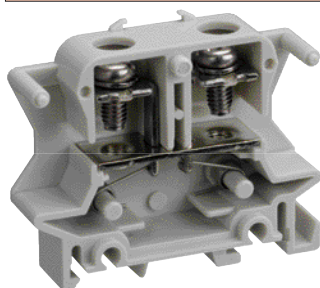
TFP
Series

40A
1.25, 2, 3.5, 5.5 mm²
IEC35mm. IEC/ C Dual-use

800V
M4
cULus c  us

RoHS10
Spring-loaded
TÜV  CE 

TFP40



Specifications

Product Name	● TFP40
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	1.25mm ² - 15A 2mm ² - 20A 3.5mm ² - 30A 5.5mm ² - 40A
Current-carrying Current for Heatresistant Wires	5.5mm ² - 48A
Terminal Screw	M4×8.5 ± Spring-loaded
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

Ratings for Overseas Certification

Dielectric strength voltage	UL 600V		EN/IEC 600V	
	Single wire	Stranded wire	Single wire	Stranded wire
Applicable wires for current ratings (AWG)	18~10 (18~12)	18~10 (18~12)	18~10	18~10
Current-carrying Current Ratings	30A (25A)		40A	

* Rating inside () are those without using crimp terminals.

Applicable Accessories

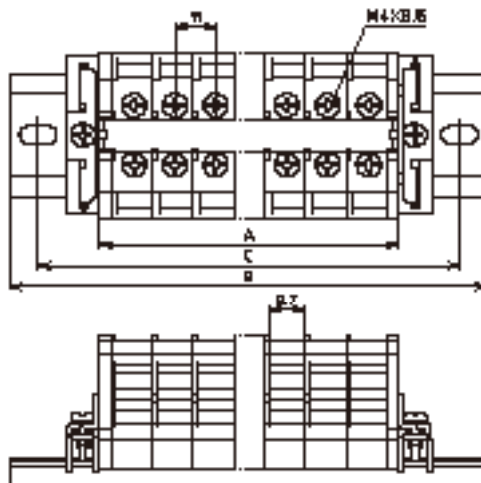
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	11mm	With Coating	40A	2	● JTJ224B	2g	10 pcs
				6	● JTJ264B	6g	10 pcs

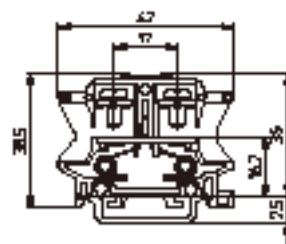
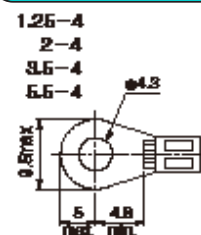
Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Appearance diagram (Unit:mm)



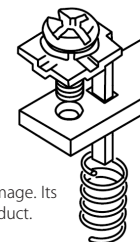
Applicable crimping terminals



Dimensions after assembly (With Stopper JTXE3)

- Length of unit A = Width of unit (11mm) × Number of Pole (P) + Thickness of End plate (1 sheet 3mm, 2 sheets 6mm)
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm (With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TFPA40	5g	10 pcs

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Finger Protect
Rail-mount
Terminal Block

TFP
Series

80A

3.5, 5.5, 14 mm²

IEC35mm. IEC/ C Dual-use

800V

M5

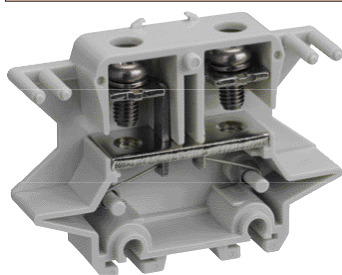
cULus c  us

RoHS10

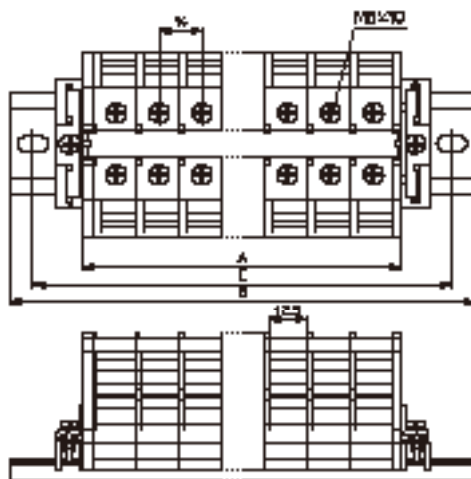
Spring-loaded

TÜV  CE 

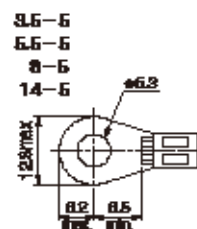
TFP80



Appearance diagram (Unit:mm)



Applicable cramping terminals



Specifications

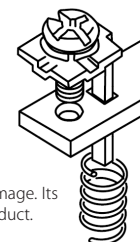
Product Name	● TFP80
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	3.5mm ² —30A 5.5mm ² —40A 8mm ² —50A 14mm ² —80A Note
Current-carrying Current for Heatresistant Wires	14mm ² —80A
Terminal Screw	M5×10 ± Spring-loaded
Tightening torque	2.2~2.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs

Note: In case of wiring by 14 mm² cramp terminals, be sure to use aslo insulation tubes.

■ Dimensions after assembly (With Stopper JTXE3)

- Length of unit A=Width of unit (14mm) × Number of Pole (P)
+ Thickness of End plate (1 sheet 3mm, 2 sheets 6mm)
- Length of rail B=A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B - 15mm

Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

Ratings for Overseas Certification

	UL		EN/IEC		
	600V		600V		
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire	
	16~6 (14~12)	*16~*6 (-)	16~10	16~8	*6
Current-carrying Current Ratings	65A (30A)		60A	80A	

* Rating inside () are those without using cramp terminals.

■ Applicable Accessories

Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
	15mm	With Coating (Bending)	80A	2	● JTJ802B	10g	10 pcs

End Plate

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TFPA80	7g	10 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Finger Protect
Rail-mount
Terminal Block

TTFP
Series

20A

800V

2-tier

RoHS 10

0.75, 1.25, 2 mm²

M3

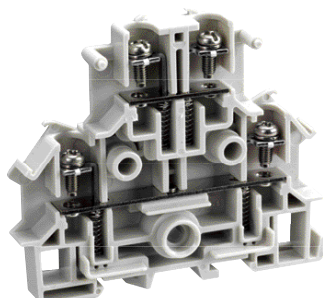
Spring-loaded

IEC35mm. IEC/ C Dual-use

cULus c  us

TÜV  CE 

TTFP203



Specifications

Product Name	● TTFP203
Dielectric strength voltage	800V
Applicable wires Maximum current (In case of crimping connection)	0.75mm ² —10A 1.25mm ² —15A ※ 2mm ² —20A (※ mark shows a Cramp Terminals that are not certified by JIS)
Terminal Screw	M3×8 ⊕ Spring-loaded
Tightening torque	0.6~0.9N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	20~14	20~14	20~14	20~14
Current-carrying Current Ratings	15A		20A	

■ Applicable Accessories

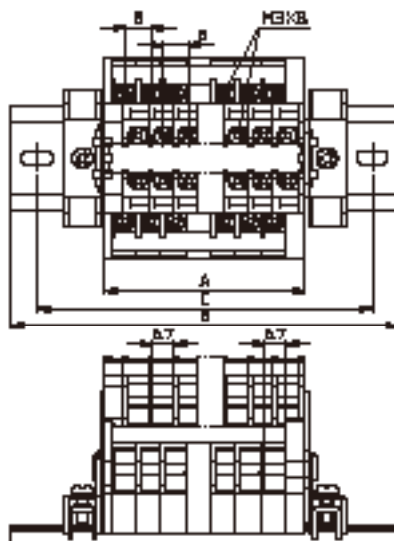
Short Bar

Terminal shape	pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty	
	8mm	With Coating	20A	2	● JTJ124BB	1g	10 pcs	
				6	● TJ164B	3.5g	10 pcs	
				20	● TJ1204B	11.5g	10 pcs	
	16mm (Every 2-pole)	With Coating (Bending)		2	● JTJ024BB	1.5g	10 pcs	
				8	● JTJ084BB	3.5g	10 pcs	

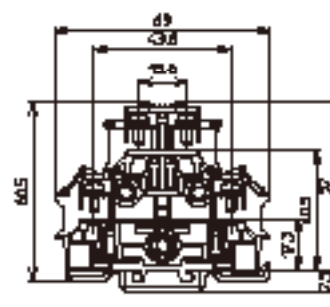
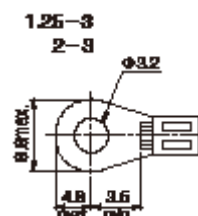
Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC	5m	37g
● TRC22L100			(T = 0.5mm)	100m	740g
● TRC23			PP	5m	24g
● TRC23L100			(T = 0.5mm)	100m	480g

Appearance diagram (Unit:mm)



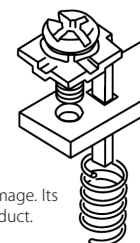
Applicable crimping terminals



■ Dimensions after assembly (With Stopper TXE2 and TXE2C)

- Length of unit A = Width of unit (8mm) × Number of Unit
+ Thickness of End plate (8mm)
- Length of rail B = A + Width of stopper (12mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Spring-loaded



The figure of a spring is an image. Its
real figure differs in each product.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTFPA20	13g	A・B5 sets

Stopper
Stopper Data Sheet

Rail
Rail Data Sheet

●...Standard Stock Item (as of October 2025) Those except standard stock
items are produced after the receipt of order.

Screw Rail-
mount PE
Terminal Block

TFE
Series

0.75, 1.25, 2 mm²

IEC35mm (Conductive Type)

600V

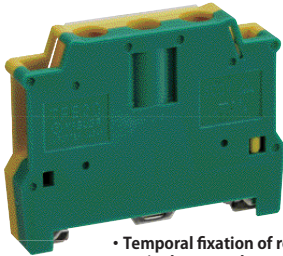
M3.5

cULus 

Spring-loaded

TÜV  CE 

TFE20

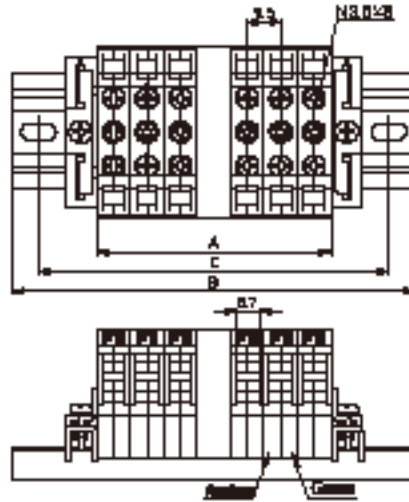


- Temporal fixation of round crimping terminals cannot be applied.
- "PE" is printed on the attached name seal.

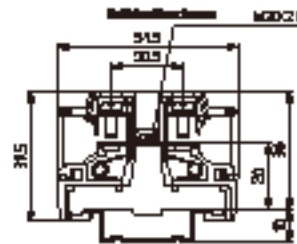
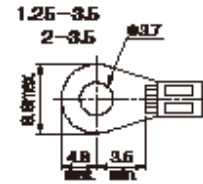
Specifications

Product Name	● TFE20
Dielectric strength voltage	600V
Applicable wires	0.75mm ²
Maximum current (In case of crimping connection)	1.25mm ² 2mm ²
Terminal Screw	M3.5×8 ⊕ Spring-loaded
Tightening torque	1.0~1.3N·m
Flame retardance grade	UL94V-0
Included Qty per 1 package	20 pcs

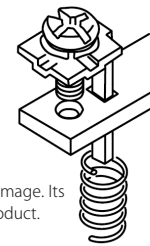
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

Ratings for Overseas Certification

■ The Ratings used as conforming products to cULus are as follows:

※ Apply ratings with (+) at the end of the product name if cramp terminals are not used.

Product Name Note3	UL Standard (UL1059)						cULus Standard (CSA Standard C22-2 No.158)			
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} (AWG/MCM)	Tightening Torque (N·m)
TFE20	600	—	20~14	* 20~14	2	1.3	600	—	20~* 14	1.3
TFE20+	600	—	20~16	18~14	2	1.3	—	—	—	—

The Ratings used as conforming products to EN/ICE are as follows:

Product Name	Ratings Voltage (V)	Impulse Withstanding Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		Tightening torque (N·m)	Connectable Wires	Protection Grade IP ^{Note2}
				Single wire	Stranded wire			
TFE20	600	6000	—	20~14 (0.5-2.5mm ²)	20~14 (0.5-2.5mm ²)	1.3	1 or 2	IP20

Cautions of using PE Terminal Block

- When a rail is attached, terminals and the rail are electrically connected. (With an IEC35mm conductive rail)
- When relocating this terminal block on the rail, completely remove it from the rail first and then re-attach it. (Sliding it along the rail may damage the grounding contact point.)
- Do not route shielded grounding wires and grounding wires on the same rail. Malfunctions may occur due to surge currents.
- Please use this terminal block only as PE (Protective Earth).
- This product cannot be used as PEN (Protective Earth Neutral).

Applicable Accessories

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw Rail-
mount PE
Terminal Block

TFE
Series

—
1.25, 2, 3.5, 5.5 mm²
IEC35mm (Conductive Type)

600V

M4

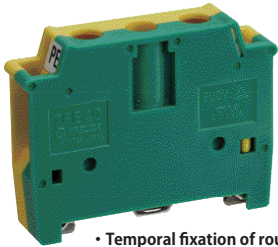
cULus c  us

Spring-loaded

TÜV  Rheinland

CE 

TFE40

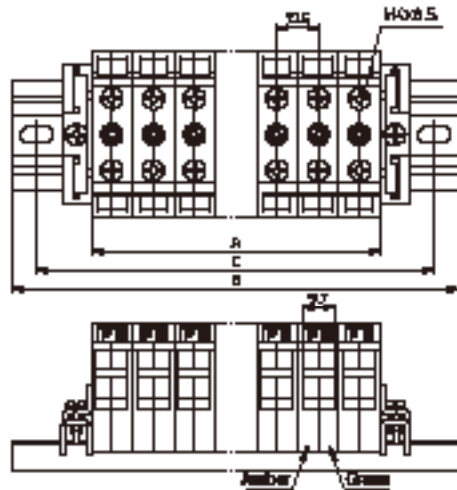


- Temporal fixation of round crimping terminals cannot be applied.
- "PE" is printed on the attached name seal.

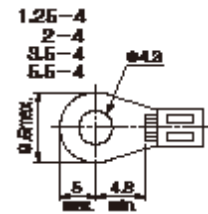
Specifications

Product Name	● TFE40
Dielectric strength voltage	600V
Applicable wires	1.25mm ²
Maximum current (In case of crimping connection)	2mm ² 3.5mm ² 5.5mm ²
Terminal Screw	M4×8.5  Spring-loaded
Tightening torque	1.4~1.8N·m
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs

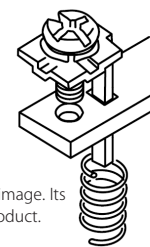
Appearance diagram (Unit:mm)



Applicable crimping terminals



Spring-loaded



The figure of a spring is an image. Its real figure differs in each product.

Ratings for Overseas Certification

■ The Ratings used as conforming products to cULus are as follows:

※ Apply ratings with (+) at the end of the product name if cramp terminals are not used.

Product Name Note3	UL Standard (UL1059)						cULus Standard (CSA Standard C22-2 No.158)			
	Ratings Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		FW ^{Note2}	Tightening Torque (N·m)	Ratings Voltage (V)	Ratings Current (A)	Applicable wires ^{Note1} (AWG/MCM)	Tightening Torque (N·m)
			Single wire	Stranded wire						
TFE40	600	—	18~10	* 18~10	2	1.8	600	—	18~* 10	1.8
TFE40+	600	—	16~12	16	2	1.8	—	—	—	—

The Ratings used as conforming products to EN/ICE are as follows:

Product Name	Ratings Voltage (V)	Impulse Withstanding Voltage (V)	Ratings Current (A)	Applicable wires (AWG/MCM) ^{Note1}		Tightening torque (N·m)	Connectable Wires	Protection Grade IP ^{Note2}
				Single wire	Stranded wire			
TFE40	600	6000	—	18~10 (0.75-6mm ²)	18~10 (0.75-6mm ²)	1.8	1 or 2	IP20

Cautions of using PE Terminal Block

- When a rail is attached, terminals and the rail are electrically connected. (With an IEC35mm conductive rail)
- When relocating this terminal block on the rail, completely remove it from the rail first and then re-attach it. (Sliding it along the rail may damage the grounding contact point.)
- Do not route shielded grounding wires and grounding wires on the same rail. Malfunctions may occur due to surge currents.
- Please use this terminal block only as PE (Protective Earth).
- This product cannot be used as PEN (Protective Earth Neutral).

Applicable Accessories

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in Terminal Block



Push-in Terminal Block

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 Current carrying C	Rated Current carrying 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	1.25mm ² (AWG16)	1 to 1	TW10B	3g
			10A	1.25mm ² (AWG16)	1 to 2	TW15B	4g
			10A	1.25mm ² (AWG16)	2 to 2	TW16B	4g
			20A	2mm ² (AWG14)	1 to 1	*TW20B	5g
			20A	2mm ² (AWG14)	1 to 2	*TW25B	5g
			20A	2mm ² (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	1.25mm ² (AWG16)	2 to 2	TW16BC	4g
			20A	2mm ² (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	1.25mm ² (AWG16)	1 to 2	TW15D	5g
			10A	1.25mm ² (AWG16)	2 to 2	TW16D	6g
			20A	2mm ² (AWG14)	1 to 2	TW25D	9g
			20A	2mm ² (AWG14)	2 to 2	TW26D	11g
			20A	2mm ² (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	—	2mm ² (AWG14)	1 to 2	TW25DE	13g
			—	2mm ² (AWG14)	2 to 2	TW26DE	15g

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

Common Specifications

Operational Ambience	−25~+55℃ (without Freezing nor Dew condensation)
Temperature Range	
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
Impulse 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

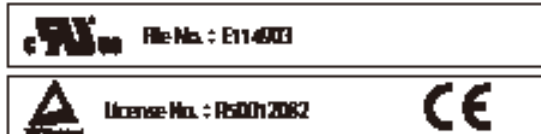
Name	Materials	Flame retardance grade
Base part	66 Polyamide ^{Note}	UL94V-0
End Plate	66 Polyamide ^{Note}	UL94V-0
Button	PBT ((with 30% glass)	UL94V-0
Spring	Stainless Steel	—
Conductive Plate	Zinc-plated Copper	—
Seal for Legends	PP, Fiber, PVC	—

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 compliant 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:



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对1 TW10B	600	28~18	28~16	10 (Single wire)	28~18	28~16	2 77 (Single wire)
	1对2 TW15B			[28~20]	16 (Stranded wire) [8]		[28~20]	[1] 14 (Stranded wire) [9]
	2对2 TW16B							
	1对1 TW (M) 20B	600	22~14	22~14	22 [16]	22~14	22~14	2 [1] 16 [14]
	1对2 TW (M) 25B			[22~16]			[22~16]	
	2对2 TW (M) 26B							
Common Unit Type	2对2 TW16BC	600	28~18	28~16	10 (Single wire)	28~18	28~16	2 7 (Single wire)
				[28~20]	16 (Stranded wire) [8]		[28~20]	[1] 16 (Stranded wire) [9]
	2对2 TW26BC	600	22~14	22~14	22 [16]	22~14	22~14	2 [1] 22 [16]
Standard Type	1对2 TW15D	600	28~16	28~16	10	28~16	28~16	2 10
	2对2 TW16D			[28~20]	[8]		[28~20]	[1] [5]
	1对2 TW25D		22~14	22~14	22 [16]	22~14	22~14	2 [1] 16 [14]
	2对2 TW26D	600		[22~16]			[22~16]	
	1对1×2 TTW20D		22~14	22~14	22 [16]	22~14	22~14	2 [1] 15 [10]
				[22~16]			[22~16]	
PE Type	1对2 TW25DE	600	22~14	22~14	—	22~14	22~14	2 [1] —
	2对2 TW26DE	600	22~14	22~14	—	22~14	22~14	2 [1] —

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

Push-in
Rail-mount
Terminal Block

TW
Series

10A

φ 0.3~1.0 mm, 0.08~1.25 mm²

IEC35mm

600V

Push-in

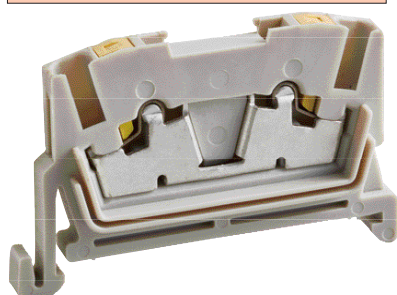
cULus 

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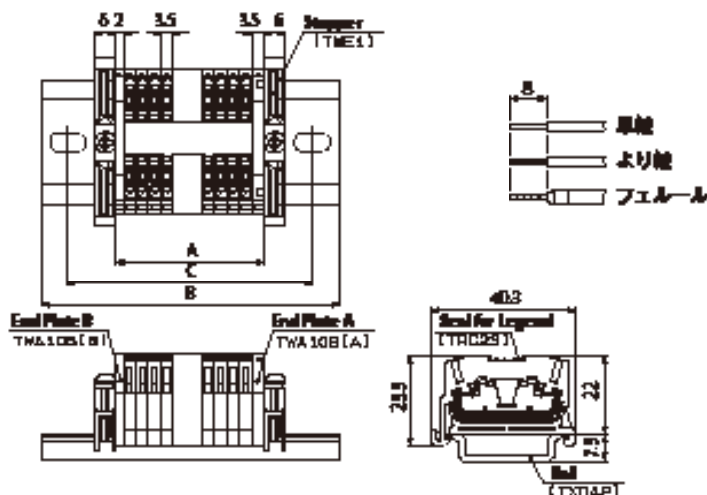
1 to 1 Wiring

TÜV  CE 

TW10B



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW10B
Dielectric strength voltage	600V
Applicable wires	Φ 0.3~1.0mm (AWG28~18)
Maximum current (In case of crimping connection)	0.08~1.25mm ² (AWG28~16) ※ In case of usage with Ferrule, max.0.5mm ² (AWG20).
Terminal Screw	10A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50個入

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit A = Width of unit (3.5mm) × Number of Pole (P)
+ Thickness of End plate A/B (5.5mm)
(End Plate A: 3.5 mm. End Plate B: 2mm)
- Length of rail B = A + Width of stopper (6mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	28~18	28~16 [28~20]	28~18	28~16 [28~20]
Current-carrying Current Ratings	7A	14A [9A]	10A	16A [8A]

※With Ferrule, the values are stated in []

■ Applicable Accessories

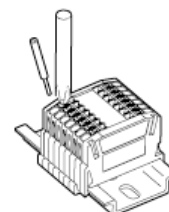
Short Bar

Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
10A	2	● TJW12B	0.6g	50 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA10B	4g	A・B5 sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Rail-mount
Terminal Block

TW
Series

10A

ϕ 0.3-1.0 mm, 0.08-1.25 mm²

IEC35mm

600V

Push-in

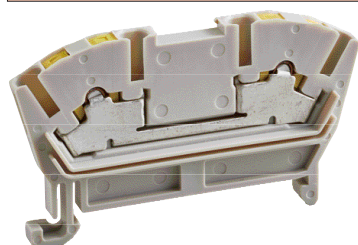
cULus 

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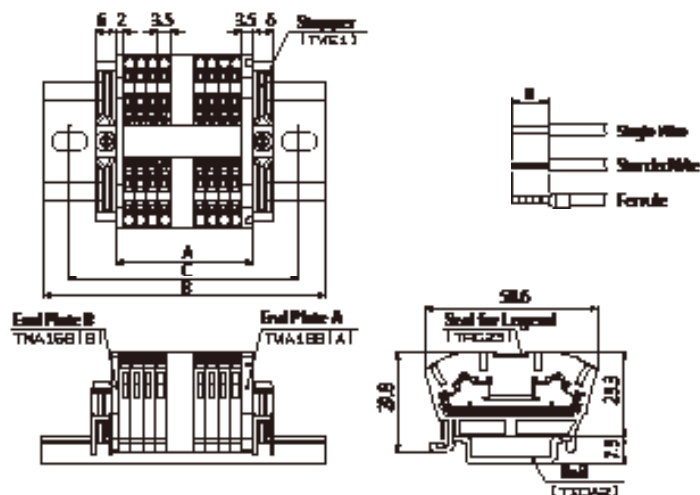
2 to 2 Wiring

TÜV  CE 

TW16B



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW16B
Dielectric strength voltage	600V
Applicable wires	Φ 0.3~1.0mm (AWG28~18)
Maximum current (In case of crimping connection)	0.08~1.25mm ² (AWG28~16) ※ In case of usage with Ferrule, max.0.5mm ² (AWG20).
Terminal Screw	10A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit A = Width of unit (3.5mm) × Number of Pole (P)
+ Thickness of End plate A/B (5.5mm)
(End Plate A: 3.5 mm, End Plate B: 2mm)
- Length of rail B = A + Width of stopper (6mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	28~18	28~16 [28~20]	28~18	28~16 [28~20]
Current-carrying Current Ratings	7A	14A [9A]	10A	16A [8A]

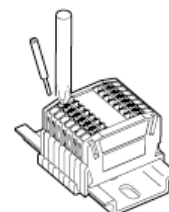
※With Ferrule, the values are stated in []

■ Applicable Accessories

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA16B	5.5g	A+B 5sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Rail-mount
Terminal Block

TW
Series

20A

$\phi 0.5\sim 1.6\text{ mm}$, $0.3\sim 2\text{ mm}^2$

IEC35mm

600V

Push-in

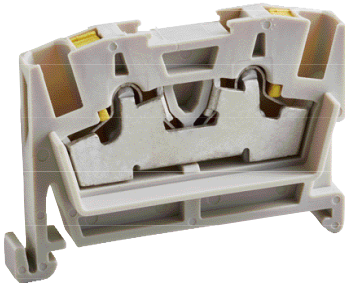
cULus 

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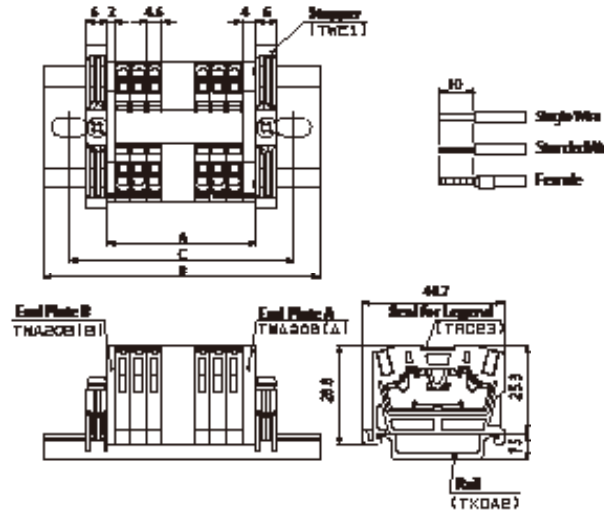
1 to 1 Wiring

TÜV  CE 

TW20B



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW20B
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\phi 0.5\sim 1.6\text{ mm}$ (AWG22~14) $0.3\sim 2\text{ mm}^2$ (AWG22~14) ※ In case of usage with Ferrule, max 1.25mm ² (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

- Dimensions after assembly (With Stopper TWE1)
- Length of unit A=Width of unit (4.6mm) × Number of Pole (P)
+ Thickness of End plate A/B (6.0mm)
(End Plate A: 4.0 mm. End Plate B: 2mm)
 - Length of rail B=A+Width of stopper (6mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
 - Mounting pitch C=B-15mm

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	16A [14A]		22A [16A]	

※With Ferrule, the values are stated in []

Applicable Accessories

Short Bar

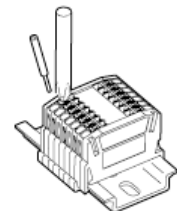
Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
20A	2	● TJW22	1g	50 pcs
	3	● TJW23	1.5g	50 pcs
	4	● TJW24	2g	50 pcs
	8	● TJW28	4g	50 pcs
	13	● TJW213	7g	10 pcs

Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier. In such usage, please take care of the exposure of electric-supplying parts.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC	5m	37g
● TRC22L100			(T = 0.5mm)	100m	740g
● TRC23			PP	5m	24g
● TRC23L100			(T = 0.5mm)	100m	480g

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA20B	4g	A+B 5 sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Rail-mount
Terminal Block

TW
Series

20A

$\phi 0.5\sim 1.6\text{ mm}$, $0.3\sim 2\text{ mm}^2$

IEC35mm

600V

Push-in

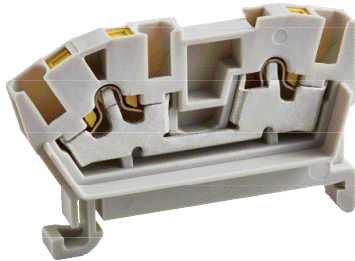
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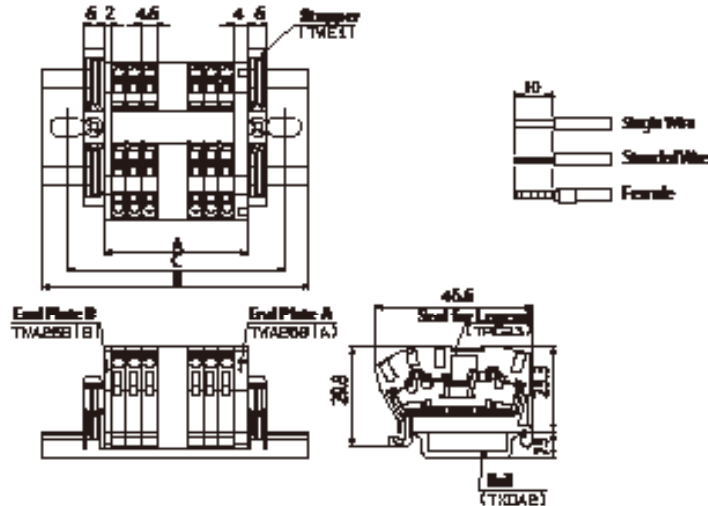
1 to 2 Wiring

TÜV  CE 

TW25B



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW25B
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\Phi 0.5\sim 1.6\text{ mm}$ (AWG22~14) $0.3\sim 2\text{ mm}^2$ (AWG22~14) ※ In case of usage with Ferrule, max 1.25mm ² (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit A = Width of unit (4.6mm) × Number of Pole (P)
+ Thickness of End plate A/B (6.0mm)
(End Plate A: 4.0 mm. End Plate B: 2mm)
- Length of rail B = A + Width of stopper (6mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	16A [14A]		22A [16A]	

※ With Ferrule, the values are stated in []

■ Applicable Accessories

Short Bar

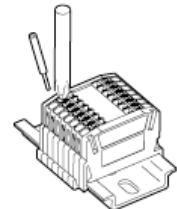
Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
20A	2	● TJW22	1g	50 pcs
	3	● TJW23	1.5g	50 pcs
	4	● TJW24	2g	50 pcs
	8	● TJW28	4g	50 pcs
	13	● TJW213	7g	10 pcs

Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier. In such usage, please take care of the exposure of electric-supplying parts.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA25B	4.5g	A・B 5 sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Rail-mount
Terminal Block

TW
Series

20A

ϕ 0.5-1.6 mm, 0.3-2 mm²

IEC35mm

600V

Push-in

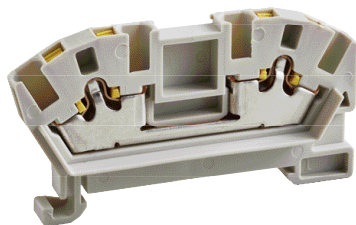
cULus 

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2 to 2 Wiring

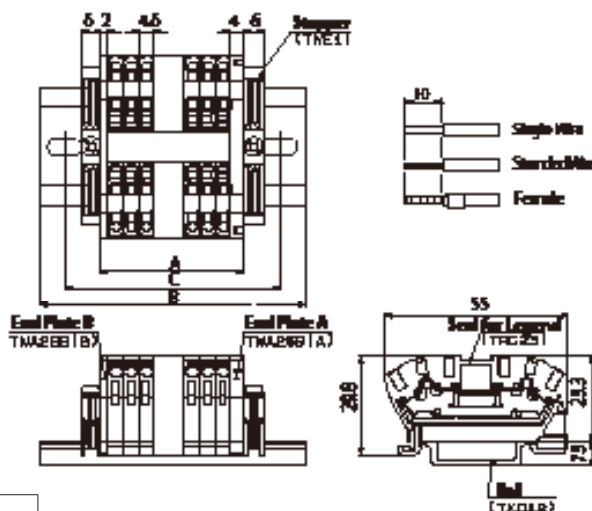
TÜV  CE 

TW26B/TW26BN



The Picture is TW26B.

Appearance diagram (Unit:mm)



TW26B

With Button

TW26BN

Button-less



The TW26BN is a push-in terminal block without a push button and is not compatible with stranded wires. The yellow part that is pressed when inserting or removing a wire is the push button. In the "buttonless" type, this yellow part is omitted and replaced by an open cavity. When inserting or removing a wire, a slim precision screwdriver or a similar tool must be inserted into the button cavity to press the internal spring. This product is intentionally designed to make wire insertion and removal less easy.

Specifications

Product Name	● TW26B / TW26BN
Dielectric strength voltage	600V
Applicable wires	ϕ 0.5~1.6mm(AWG22~14)
Maximum current (In case of crimping connection)	0.3~2mm ² (AWG22~14) ※ In case of usage with Ferrule, max.1.25mm ² (AWG16). Stranded Wires cannot be applied to TW26BN.
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit A=Width of unit (4.6mm) × Number of Pole (P)
+ Thickness of End plate A/B (6.0mm)
(End Plate A: 4.0 mm. End Plate B: 2mm)
- Length of rail B=A+Width of stopper (6mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	16A [14A]		22A [16A]	

※With Ferrule, the values are stated in []

■ Applicable Accessories

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA26B	7g	A·B 5 sets

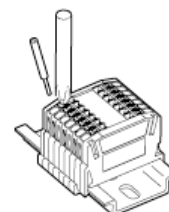
Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

Push-in



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in (Common)
Rail-mount
Terminal Block

TW
Series

10A

ϕ 0.3-1.0 mm, 0.08-1.25 mm²

IEC35mm

600V

Push-in (Common)

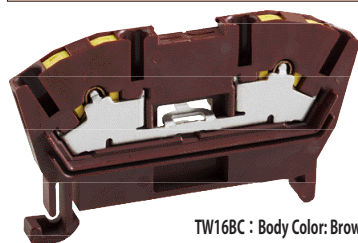
cULus 

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2 to 2 Wiring

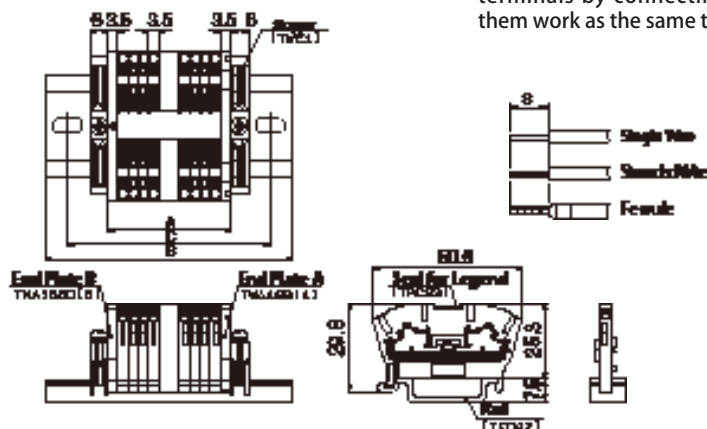
CE 

TW16BC/TW16BCB



TW16BC : Body Color: Brown
TW16BCB : Body Color: Blue
The picture is TW16BC.

Appearance diagram (Unit:mm)



* This type is a common type Push-in Terminal Block that can enable connection of adjacent terminals by connecting parallel and make them work as the same terminal.

Specifications

Product Name	● TW16BC / TW16BCB
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	Φ 0.3~1.0mm (AWG28~18) 0.08~1.25mm ² (AWG28~16) ※ In case of usage with Ferrule, max.0.5mm ² (AWG20).
Terminal Screw	10A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	30 pcs

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit A=Width of unit (3.5mm) × Number of Pole (P)
+ Thickness of End plate A/B (7.0mm)
(End Plate A: 3.5 mm, End Plate B: 3.5mm)
- Length of rail B=A+Width of stopper (6mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

* The maximum number of pole shall be 20.

Ratings for Overseas Certification

	UL		EN/IEC	
Dielectric strength voltage	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	28~18	28~16 [28~20]	28~18	28~16 [28~20]
Current-carrying Current Ratings	7A	16A [9A]	10A	16A [8A]

※ With Ferrule, the values are stated in []

■ Applicable Accessories

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Applicable Product	Rough weight per 1pc	Included Q'ty
● TWA16BC	for TW16BC	5.5g	A•B 5 sets
● TWA16BCB	for TW16BCB	5.5g	A•B 5 sets

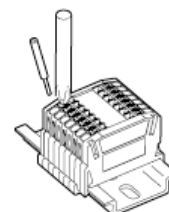
Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

Push-in



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in (Common)
Rail-mount
Terminal Block

TW
Series

20A

ϕ 0.5-1.6 mm, 0.3-2 mm²

IEC35mm

600V

Push-in (Common)

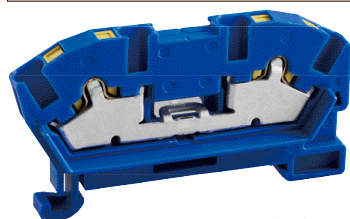
cULus 

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2 to 2 Wiring

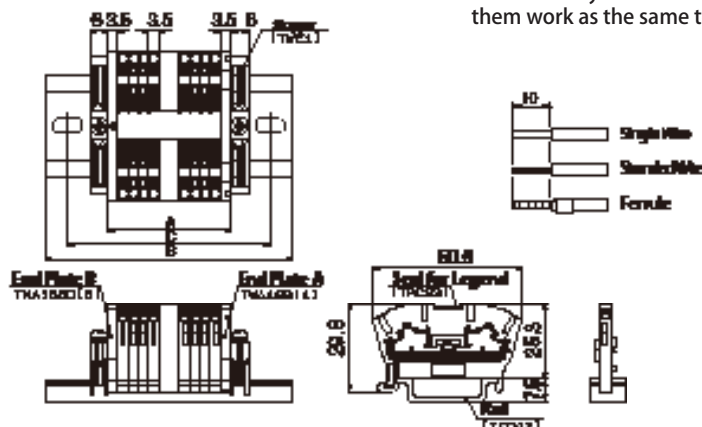
CE 

TW26BC/TW26BCB



TW26BC : Body Color: Brown
TW26BCB : Body Color: Blue
The picture is TW26BCB.

Appearance diagram (Unit:mm)



* This type is a common type Push-in Terminal Block that can enable connection of adjacent terminals by connecting parallel and make them work as the same terminal.

Specifications

Product Name	● TW26BC / TW26BCB
Dielectric strength voltage	600V
Applicable wires	Φ 0.5~1.6mm(AWG22~14)
Maximum current (In case of crimping connection)	0.3~2mm ² (AWG22~14) ※ In case of usage with Ferrule, max.1.25mm ² (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	30 pcs

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit A=Width of unit (4.6mm) × Number of Pole (P)
+ Thickness of End plate A/B (8.0mm)
(End Plate A: 4.0 mm, End Plate B: 4.0mm)
- Length of rail B=A+Width of stopper (6mm) × 2+30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

* The maximum number of pole shall be 20.

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	22A [16A]		22A [16A]	

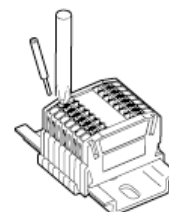
※ With Ferrule, the values are stated in []

Applicable Accessories

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Push-in



End Plate

Product Name	Applicable Product	Rough weight per 1pc	Included Q'ty
● TWA26BC	For TW26BC	10g	A•B 5 sets
● TWA26BCB	For TW26BCB	10g	A•B 5 sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Rail-mount
Terminal Block

TW
Series

10A

φ 0.3-1.3 mm, 0.08-1.25 mm²

IEC35mm

600V

Push-in

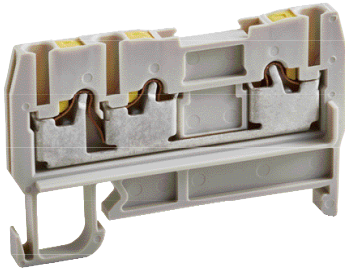
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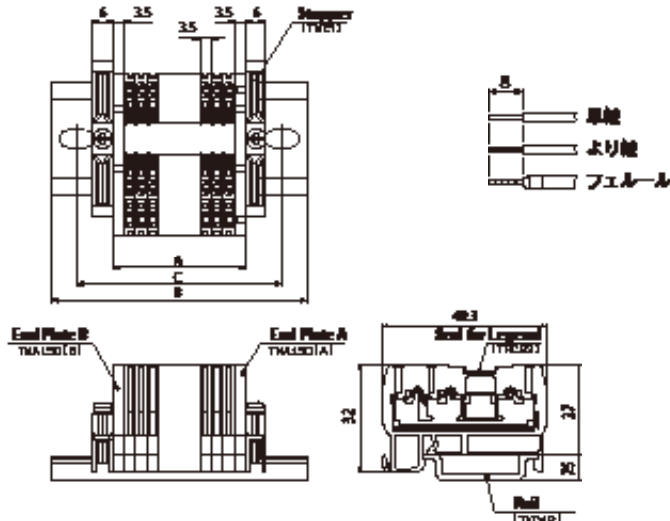
1 to 2 Wiring

CE 

TW15D



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW15D
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	Φ 0.3~1.3mm (AWG28~16) 0.08~1.25mm ² (AWG28~16) ※ In case of usage with Ferrule, max.0.5mm ² (AWG20).
Terminal Screw	10A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	28~16	28~16 [28~20]	28~16	28~16 [28~20]
Current-carrying Current Ratings	10A [5A]		10A [8A]	

※With Ferrule, the values are stated in []

■Applicable Accessories

Short Bar

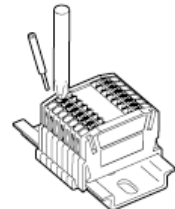
Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
10A	2	● TJW12B	0.6g	50 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

- Dimensions after assembly (With Stopper TWE1)
- Length of unit A=Width of unit (3.5mm) × Number of Pole (P)
+Thickness of End plate A/B (7.0mm)
(End Plate A: 3.5 mm. End Plate B: 3.5mm)
 - Length of rail B=A+Width of stopper (6mm) × 2+30mm
(With TXDA2, cut to the multiples of15mm.)
 - Mounting pitch C=B-15mm
- * The maximum number of pole shall be 20.

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA15D	5g	A・B 5 sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Rail-mount
Terminal Block

TW
Series

10A

$\phi 0.3\sim 1.3\text{ mm}$, $0.08\sim 1.25\text{ mm}^2$

IEC35mm

600V

Push-in

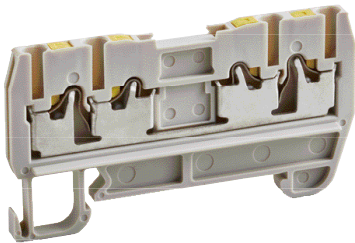
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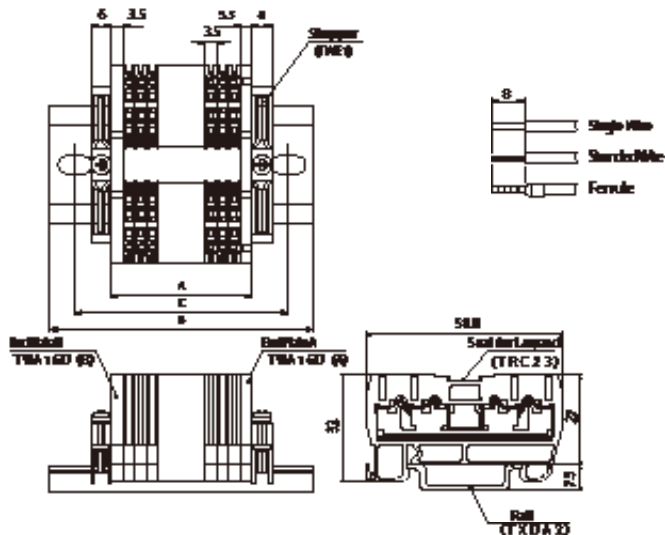
2 to 2 Wiring

CE 

TW16D



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW16D
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\phi 0.3\sim 1.3\text{ mm}$ (AWG28~16) $0.08\sim 1.25\text{ mm}^2$ (AWG28~16) ※ In case of usage with Ferrule, max.0.5mm ² (AWG20).
Terminal Screw	10A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit $A = \text{Width of unit (3.5mm)} \times \text{Number of Pole (P)}$
+ Thickness of End plate A/B (7.0mm)
(End Plate A: 3.5 mm. End Plate B: 3.5mm)
- Length of rail $B = A + \text{Width of stopper (6mm)} \times 2 + 30\text{ mm}$
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch $C = B - 15\text{ mm}$

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	28~16	28~16 [28~20]	28~16	28~16 [28~20]
Current-carrying Current Ratings	10A [5A]		10A [8A]	

※ With Ferrule, the values are stated in []

■ Applicable Accessories

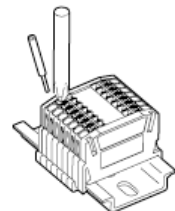
Short Bar

Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
10A	2	● TJW12B	0.6g	50 pcs

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA16D	6g	A•B 5 sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Rail-mount
Terminal Block

TW
Series

20A

$\phi 0.5\sim 1.6\text{ mm}$, $0.3\sim 2\text{ mm}^2$

IEC35mm

600V

Push-in

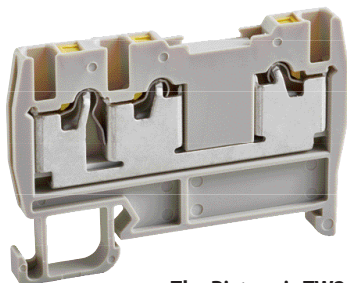
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1 to 2 Wiring

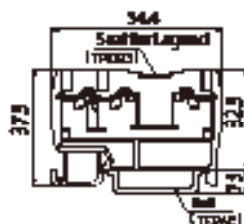
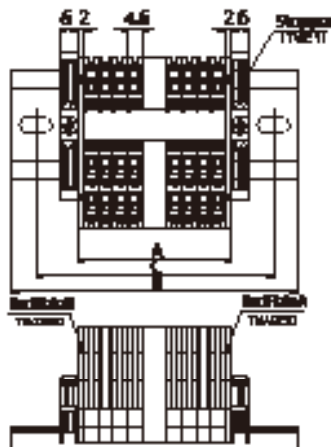
CE 

TW25D/TW25DN



The Picture is TW25D.

Appearance diagram (Unit:mm)

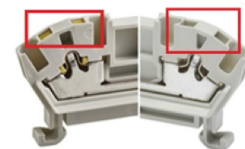


TW25D

TW25DN

With Button

Button-less



The TW25DN is a push-in terminal block without a push button and is not compatible with stranded wires. The yellow part that is pressed when inserting or removing a wire is the push button. In the "buttonless" type, this yellow part is omitted and replaced by an open cavity. When inserting or removing a wire, a slim precision screwdriver or a similar tool must be inserted into the button cavity to press the internal spring. This product is intentionally designed to make wire insertion and removal less easy.

Specifications

Product Name	● TW25D / TW25DN
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\phi 0.5\sim 1.6\text{ mm}$ (AWG22~14) $0.3\sim 2\text{ mm}^2$ (AWG22~14) ※ In case of usage with Ferrule, max.1.25mm2 (AWG16). Stranded Wires cannot be applied to TW25DN.
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

■ Dimensions after assembly (With Stopper TWE1)

- Length of unit A = Width of unit (4.6mm) × Number of Pole (P)
+ Thickness of End plate A/B (4.0mm)
(End Plate A: 2.0 mm. End Plate B: 2.0mm)
- Length of rail B = A + Width of stopper (6mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

Dielectric strength voltage	UL		EN/IEC	
	600V		600V	
	Single wire	Stranded wire	Single wire	Stranded wire
Applicable wires for current ratings (AWG)	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	16A [14A]		22A [16A]	

※With Ferrule, the values are stated in []

■ Applicable Accessories

Short Bar

Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
20A	2	● TJW22	1g	50 pcs
	3	● TJW23	1.5g	50 pcs
	4	● TJW24	2g	50 pcs
	8	● TJW28	4g	50 pcs
	13	● TJW213	7g	10 pcs

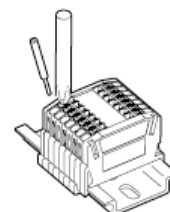
Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier. In such usage, please take care of the exposure of electric-supplying parts.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA25D ^{Note}	7g	10 pcs

Note: For both Left and Right

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

Push-in
Rail-mount
Terminal Block

TW
Series

20A

$\phi 0.5\sim 1.6\text{ mm}, 0.3\sim 2\text{ mm}^2$

IEC35mm

600V

Push-in

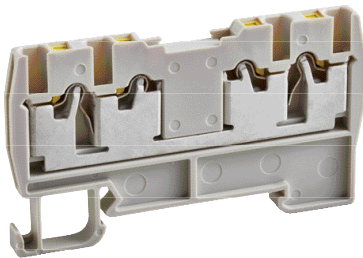
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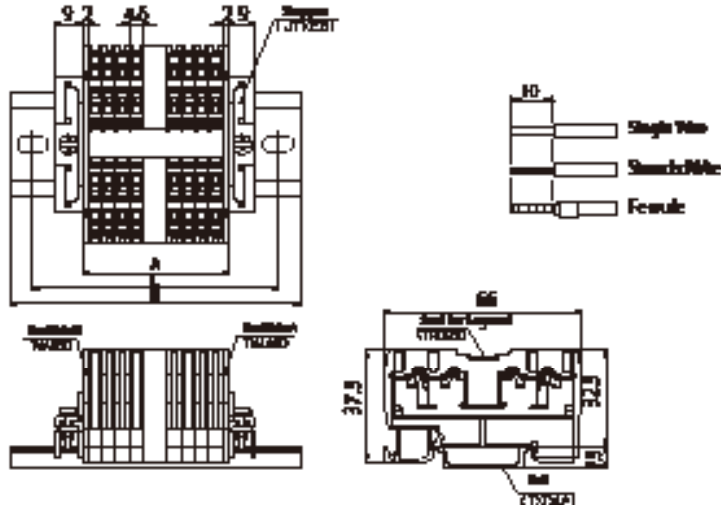
2 to 2 Wiring

CE 

TW26D



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW26D
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\phi 0.5\sim 1.6\text{ mm (AWG22}\sim 14)$ $0.3\sim 2\text{ mm}^2 \text{ (AWG22}\sim 14)$ ※ In case of usage with Ferrule, max.1.25mm ² (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	50 pcs

■ Dimensions after assembly (With Stopper JTxE3)

- Length of unit A=Width of unit (4.6mm) × Number of Pole (P)
+ Thickness of End plate A/B (4.0mm)
(End Plate A: 2.0 mm. End Plate B: 2.0mm)
- Length of rail B=A+Width of stopper (9mm) × 2 +30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C=B-15mm

Ratings for Overseas Certification

Dielectric strength voltage	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	16A [14A]		22A [16A]	

※With Ferrule, the values are stated in []

■ Applicable Accessories

Short Bar

Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
20A	2	● TJW22	1g	50 pcs
	3	● TJW23	1.5g	50 pcs
	4	● TJW24	2g	50 pcs
	8	● TJW28	4g	50 pcs
	13	● TJW213	7g	10 pcs

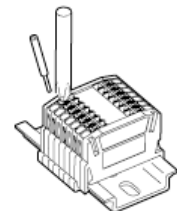
Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier. In such usage, please take care of the exposure of electric-supplying parts.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC	5m	37g
● TRC22L100			(T = 0.5mm)	100m	740g
● TRC23			PP	5m	24g
● TRC23L100			(T = 0.5mm)	100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in



End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA26D ^{Note}	7.5g	10 pcs

Note: For both Left and Right

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

Push-in
Rail-mount
Terminal Block

TW
Series

20A

$\phi 0.5-1.6\text{ mm}$, $0.3-2\text{ mm}^2$

IEC35mm

600V

Push-in

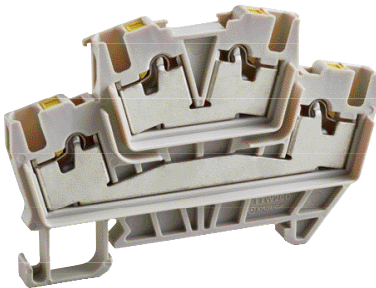
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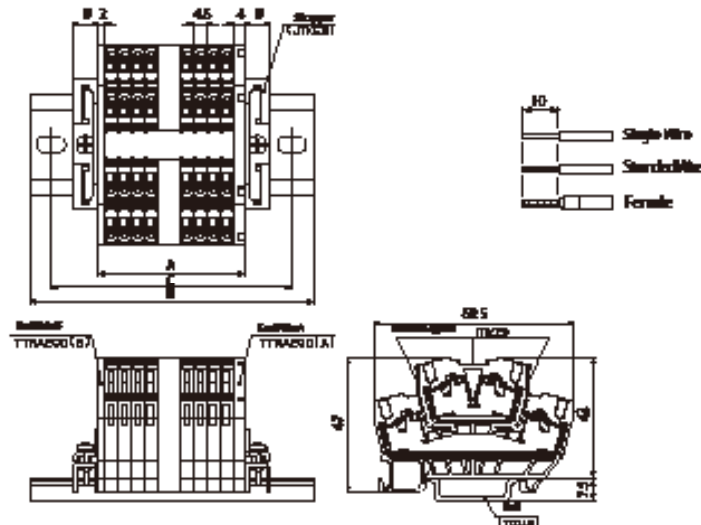
(1 to 1) x 2 Wiring

CE 

TTW20D



Appearance diagram (Unit:mm)



Specifications

Product Name	● TTW20D
Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\phi 0.5 \sim 1.6\text{mm}$ (AWG22~14) $0.3 \sim 2\text{mm}^2$ (AWG22~14) ※ In case of usage with Ferrule, max. 1.25mm^2 (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	20 pcs

■ Dimensions after assembly (With Stopper JTXE3)

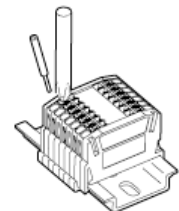
- Length of unit A = Width of unit (4.6mm) × Number of Pole (P)
+ Thickness of End plate A/B (6.0mm)
(End Plate A: 4.0 mm. End Plate B: 2.0mm)
- Length of rail B = A + Width of stopper (9mm) × 2 + 30mm
(With TXDA2, cut to the multiples of 15mm.)
- Mounting pitch C = B - 15mm

Ratings for Overseas Certification

Dielectric strength voltage	UL		EN/IEC	
	600V		600V	
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	15A [10A]		22A [16A]	

※With Ferrule, the values are stated in []

Push-in



■ Applicable Accessories

Short Bar

Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
20A	2	● TJW22	1g	50 pcs
	3	● TJW23	1.5g	50 pcs
	4	● TJW24	2g	50 pcs
	8	● TJW28	4g	50 pcs
	13	● TJW213	7g	10 pcs

Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier. In such usage, please take care of the exposure of electric-supplying parts.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TTWA20D	11g	A・B 5 sets

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

Push-in
Rail-mount
Terminal Block

TW
Series

For PE

ϕ 0.5-1.6 mm, 0.3-2 mm²

IEC35mm (Conductive Type)

600V

Push-in

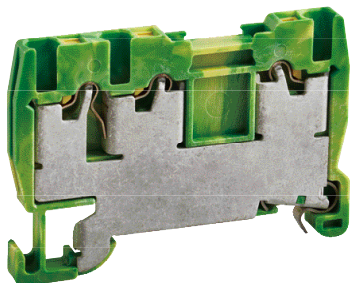
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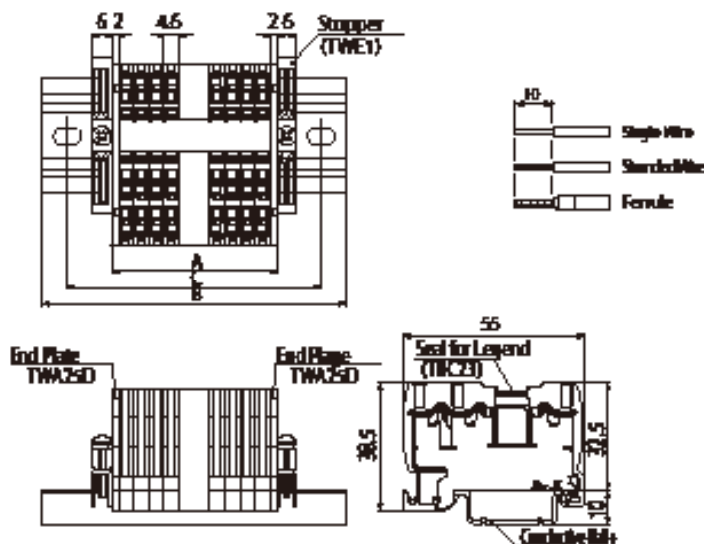
1 to 2 Wiring

CE 

TW25DE



Appearance diagram (Unit:mm)



Specifications

Product Name	● TW25DE
Applicable wires (Maximum current) (In case of crimping connection)	ϕ 0.5~1.6mm(AWG22~14) 0.3~2mm ² (AWG22~14) ※ In case of usage with Ferrule, max.1.25mm ² (AWG16).
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	10 pcs

Notes on Earth Terminals

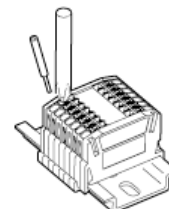
- When mounted on the rail, the terminal is electrically connected to the rail (when using an IEC 35 mm steel rail).
- When relocating this terminal block on the rail, completely remove it from the rail first and then re-attach it. (Sliding it along the rail may damage the grounding contact point.)
- Do not route shielded grounding wires and grounding wires on the same rail. Malfunctions may occur due to surge currents.
- This terminal block is intended for use as PE (Protective Earth). It must not be used as PEN (a conductor combining both protective and neutral functions).
- Always use end plates on both sides when using this terminal block.

Ratings for Overseas Certification

	UL		EN/IEC	
	600V		600V	
Dielectric strength voltage				
Applicable wires for current ratings (AWG)	Single wire	Stranded wire	Single wire	Stranded wire
	22~14	22~14 [22~16]	22~14	22~14 [22~16]
Current-carrying Current Ratings	—	—	—	—

※With Ferrule, the values are stated in []

Push-in



Applicable Accessories

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

End Plate

Product Name	Rough weight per 1pc	Included Q'ty
● TWA25D Note	7g	10 pcs

Note: For both Left and Right

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Assembled
Terminal Block

T W M
Series

20A

$\varnothing 0.5\sim 1.6\text{ mm}$, $0.3\sim 2\text{ mm}^2$

With Seal for Legend

600V

Push-in

cULus 

1 - 20 poles

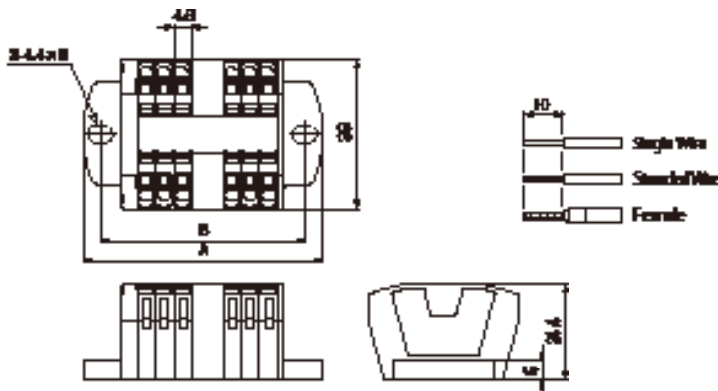
1 to 1 Wiring

TÜV  CE 

TWM20B



Appearance diagram (Unit:mm)



Specifications

Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\varnothing 0.5\sim 1.6\text{ mm}$ (AWG22~14) $0.3\sim 2\text{ mm}^2$ (AWG22~14) ※ In case of usage with Ferrule, max.1.25mm ² (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Qty per 1 package	1 pc

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
1	TWM20B01	29.8	20.8	9.8
2	● TWM20B02	34.4	25.4	14.5
3	● TWM20B03	39.0	30.0	19.2
4	● TWM20B04	43.6	34.6	23.9
5	TWM20B05	48.2	39.2	28.6
6	● TWM20B06	52.8	43.8	33.3
7	TWM20B07	57.4	48.4	38.0
8	● TWM20B08	62.0	53.0	42.7
9	TWM20B09	66.6	57.6	47.4
10	● TWM20B10	71.2	62.2	52.1

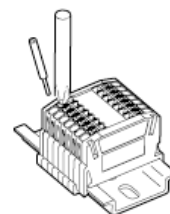
Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
11	TWM20B11	75.8	66.8	56.8
12	● TWM20B12	80.4	71.4	61.5
13	TWM20B13	85.0	76.0	66.2
14	TWM20B14	89.6	80.6	70.9
15	TWM20B15	94.2	85.2	75.6
16	● TWM20B16	98.8	89.8	80.3
17	TWM20B17	103.4	94.4	85.0
18	TWM20B18	108.0	99.0	89.7
19	TWM20B19	112.6	103.6	94.4
20	● TWM20B20	117.2	108.2	99.1

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Ratings for Overseas Certification

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)		
600	22~14	22~14 [22~16]	22 [16]	22~14	22~14 [22~16]	2 [1]	16 [14]

Push-in



Applicable Accessories

Short Bar

Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Qty
20A	2	● TJW22	1g	50 pcs
	3	● TJW23	1.5g	50 pcs
	4	● TJW24	2g	50 pcs
	8	● TJW28	4g	50 pcs
	13	● TJW213	7g	10 pcs

Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier. In such usage, please take care of the exposure of electric-supplying parts.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Assembled
Terminal Block

T W M
Series

20A

$\varnothing$ 0.5-1.6 mm, 0.3-2 mm²

With Seal for Legend

600V

Push-in

cULus 

1 - 20 poles

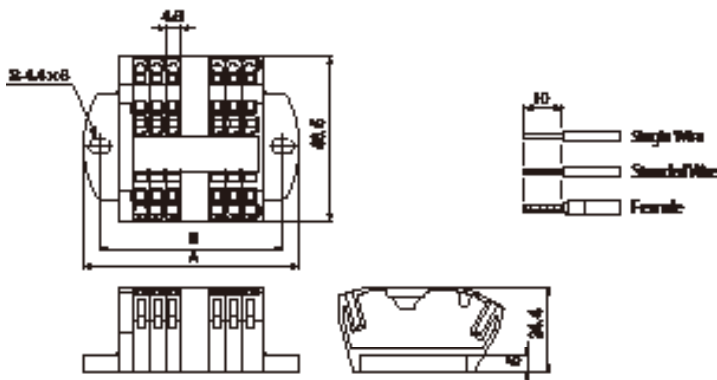
1 to 2 Wiring

TÜV  CE 

TWM25B



Appearance diagram (Unit:mm)



Specifications

Dielectric strength voltage	600V
Applicable wires	$\varnothing$ 0.5~1.6mm(AWG22~14)
Maximum current (In case of crimping connection)	0.3~2mm ² (AWG22~14) ※ In case of usage with Ferrule, max.1.25mm ² (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Q'ty per 1 package	1 pc

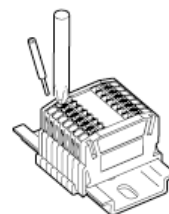
Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
1	TWM25B01	29.8	20.8	9.3
2	● TWM25B02	34.4	25.4	14.4
3	● TWM25B03	39.0	30.0	19.5
4	● TWM25B04	43.6	34.6	24.6
5	TWM25B05	48.2	39.2	29.7
6	● TWM25B06	52.8	43.8	34.8
7	TWM25B07	57.4	48.4	39.9
8	TWM25B08	62.0	53.0	45.0
9	● TWM25B09	66.6	57.6	50.1
10	TWM25B10	71.2	62.2	55.2
11	TWM25B11	75.8	66.8	60.3
12	TWM25B12	80.4	71.4	65.4
13	TWM25B13	85.0	76.0	70.5
14	TWM25B14	89.6	80.6	75.6
15	TWM25B15	94.2	85.2	80.7
16	TWM25B16	98.8	89.8	85.8
17	TWM25B17	103.4	94.4	90.9
18	TWM25B18	108.0	99.0	96.0
19	TWM25B19	112.6	103.6	101.1
20	● TWM25B20	117.2	108.2	106.2

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Ratings for Overseas Certification

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)		
600	22~14	22~14 [22~16]	22 [16]	22~14	22~14 [22~16]	2 [1]	16 [14]

Push-in



Applicable Accessories

Short Bar

Current Ratings	Poles	Product Name	Rough weight per 1pc	Included Q'ty
20A	2	● TJW22	1g	50 pcs
	3	● TJW23	1.5g	50 pcs
	4	● TJW24	2g	50 pcs
	8	● TJW28	4g	50 pcs
	13	● TJW213	7g	10 pcs

Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier. In such usage, please take care of the exposure of electric-supplying parts.

Seal for Legend

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Push-in
Assembled
Terminal Block

T W M
Series

20A

$\varnothing 0.5-1.6\text{ mm}, 0.3-2\text{ mm}^2$

With Seal for Legend

600V

Push-in

cULus 

1 - 20 poles

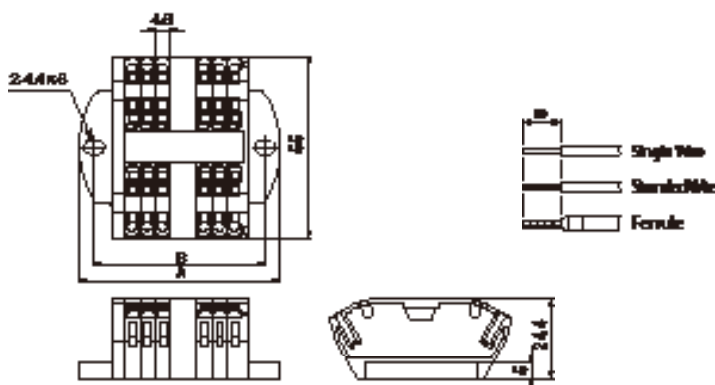
1 to 2 Wiring

TÜV  CE 

TWM26B



Appearance diagram (Unit:mm)



Specifications

Dielectric strength voltage	600V
Applicable wires Maximum current (In case of crimping connection)	$\varnothing 0.5\sim 1.6\text{mm}$ (AWG22~14) $0.3\sim 2\text{mm}^2$ (AWG22~14) ※ In case of usage with Ferrule, max.1.25mm ² (AWG16).
Terminal Screw	20A
Tightening torque	6000V
Flame retardance grade	UL94V-0
Included Qty per 1 package	1 pc

Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
1	TWM26B01	29.8	20.8	10.3
2	● TWM26B02	34.4	25.4	16.1
3	TWM26B03	39.0	30.0	21.9
4	● TWM26B04	43.6	34.6	27.7
5	● TWM26B05	48.2	39.2	33.5
6	● TWM26B06	52.8	43.8	39.3
7	TWM26B07	57.4	48.4	45.1
8	● TWM26B08	62.0	53.0	50.9
9	TWM26B09	66.6	57.6	56.7
10	● TWM26B10	71.2	62.2	62.5

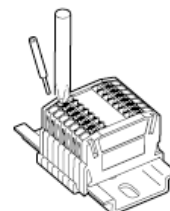
Poles	Product Name	Dimension (mm)		Rough Weight (g)
		A	B	
11	TWM26B11	75.8	66.8	68.3
12	● TWM26B12	80.4	71.4	74.1
13	TWM26B13	85.0	76.0	79.9
14	TWM26B14	89.6	80.6	85.7
15	TWM26B15	94.2	85.2	91.5
16	TWM26B16	98.8	89.8	97.3
17	TWM26B17	103.4	94.4	103.1
18	TWM26B18	108.0	99.0	108.9
19	TWM26B19	112.6	103.6	114.7
20	● TWM26B20	117.2	108.2	120.5

* In case of large number of poles, unit length and mounting pitch might be slightly different from calculated values.

Ratings for Overseas Certification

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)		
600	22~14	22~14 [22~16]	22 [16]	22~14	22~14 [22~16]	2 [1]	16 [14]

Push-in



Applicable Accessories

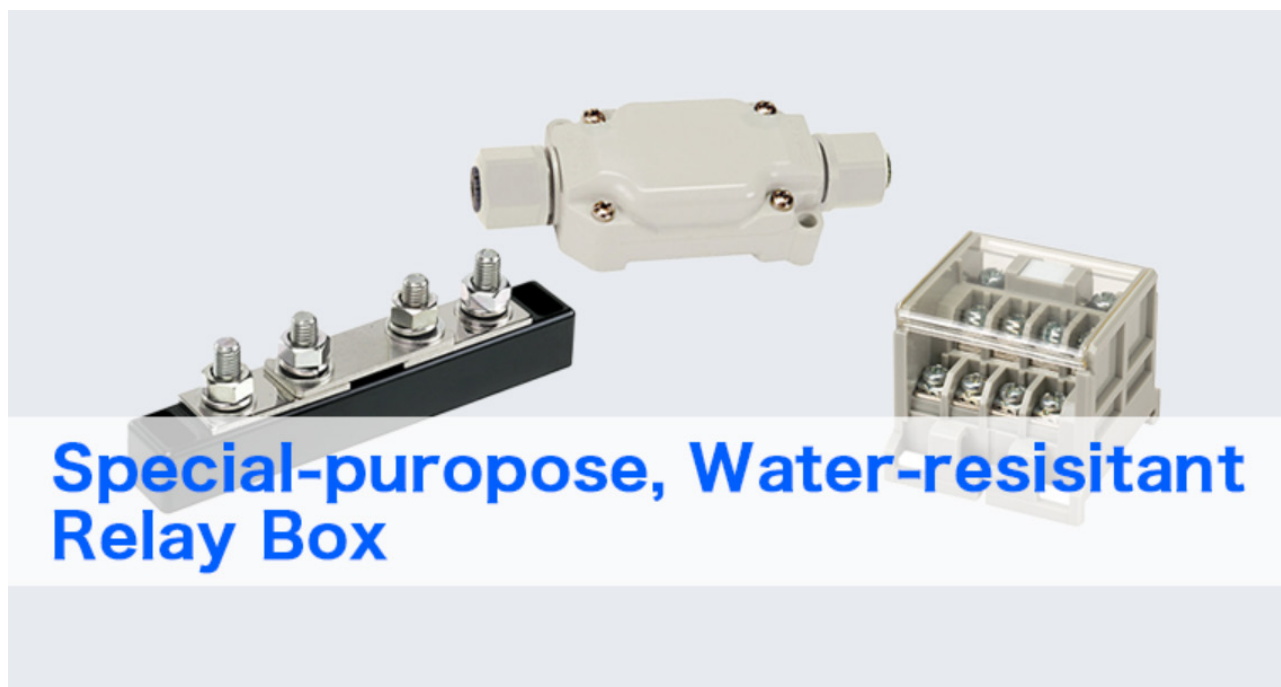
Seal for Legend (For Repair)

Product Name	Dimensions (mm)		Material	L	Rough Weight
	A	W			
● TRC21	9.5	Plain	Fiber (T = 0.5mm)	5m	32g
● TRC22			PVC (T = 0.5mm)	5m	37g
● TRC22L100				100m	740g
● TRC23			PP (T = 0.5mm)	5m	24g
● TRC23L100				100m	480g

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.



Special-purpose, Water-resistant Relay Box



Special-puopose, Water-resisitant Relay Box

Rail-mount
Terminal Block
for Sensors

TNS
Series

16A

1.25 mm²

IEC35mm

250V

M3

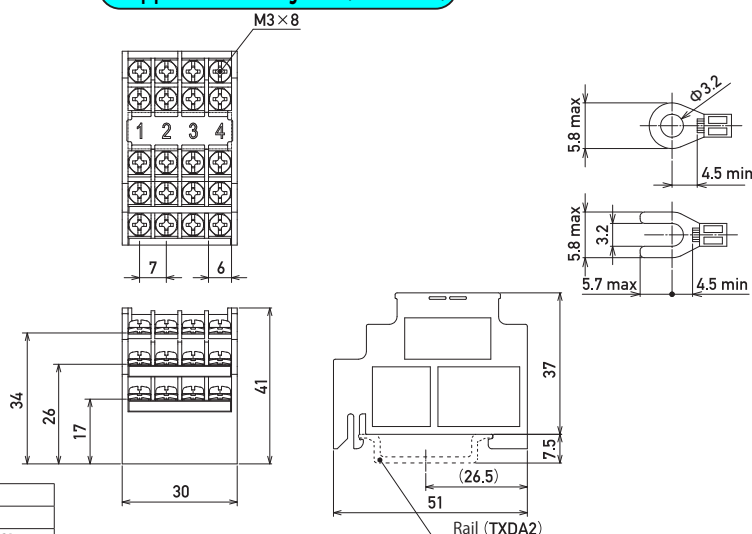
4 Circuits

Standard Screw

TNS10



Appearance diagram (Unit:mm)



Specifications

Product Name	● TNS10
Voltage Ratings	AC, DC250V
Current Ratings	16A (10A if used in Water-proof box)
Insulation Resistance	Min. 100MΩ (DC500V Mega)
Dielectric strength voltage	250V
Applicable wires	1.25mm ² - 16A
Maximum current	(10A if used in Water-proof box)
Terminal screw	M3 × 8 Ⓢ Standard screw (with Guide)
Tightening torque	0.6 ~ 0.9N·m
Flame retardance grade	UL94V-0
Ambience Temperature during usage	-25 ~ +55°C (no Freezing nor Dew condensation)
Relative Humidity	45 ~ 85%RH
Temperature Rise	Under 45°C at Conducting Metal Parts
Withstanding Voltage	AC 2000V 1 min.
Applied Standards	JIS C 8201-7-1 ^{Note1} , NECA C2811 (JIS C 2811) ^{Note2}
Rough weight	40g
Q'ty per 1 package	4 pcs

Note1: Since May 2010, JIS C2811 has been transferred to JIS C8201-7-1.

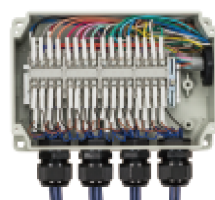
Note2: NECA C2811 is the standard based on JIS C2811.

Materials

Name	Materials	Flame retardance grade
Terminal Base	Polycarbonate	UL94V-0
Terminal Plate	Brass (Nickel plated)	—
Terminal Screw	Iron (Zinc plated chromate treatment)	—

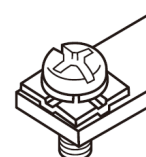
Water-proof link-up box for Sensor Terminal Block

An Example of an Assembly into a Water-proof Link-up Box (JPBF180)

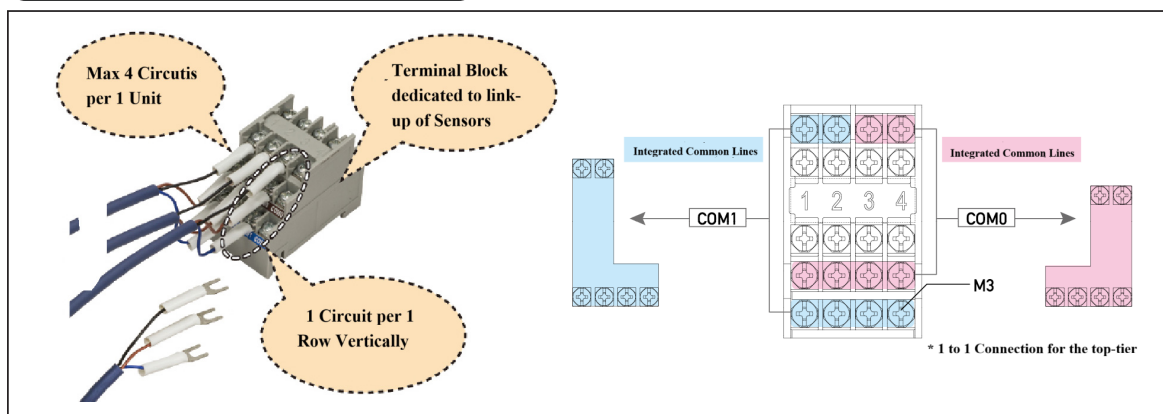


Up to 16
Circuitss

Standard Screw



Terminal Structure that fits to Sensors



Short Bar

Product Name	Type	Coating Color	Poles	Current carrying Rating	Q'ty per 1 Package
● JTJ028BB	With Coating (Bending)	Black	2	20A	10 pcs
● JTJ0284BB	With Coating (Bending)	Black	4	20A	10 pcs



JTJ0284BB

Stopper

[Stopper Data Sheet](#)

Rail

[Rail Data Sheet](#)

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.



Rail-mount
Common
Terminal Block

TNC
Series

20A (TNC10) / 40A (TNC40)

M3:1.25, M3.5:2 mm² (TNC10) / 5.5 mm² (TNC40)

IEC35mm

250V (TNC10) / 600V (TNC40)

M3 • M3.5 (TNC10), M4 (TNC40)

With Cover and Seal for Legend

Input/Output 8 Terminals (TNC10), 7 Terminals (TNC40)

Standard Screw

UL 

CE 

TNC



Specifications

Product Name	● TNC10	● TNC40
Dielectric strength voltage ratings	250V	600V
Current-carrying Current Ratings	Input M3.5 20A Output M3 per 1 terminal 15A (Output Total Max. 20A)	40A (Output Total Max. 40A)
Ambient Temperature during operation	-25~+80°C (No Freezing nor Dew condensation)	
Relative Humidity	45~85%RH	
Temperature Rise	Temperature Rise of Conductive Parts Max.45°C	
Withstanding Voltage	2000V 1 Min.	2500V 1 Min.
Insulating Resistance	Min. 100MΩ	
Terminal screw	M3×6 8, M3.5×8 2	M4×10 7
Tightening torque	M3:0.6~0.9N·m, M3.5:1.0~1.3N·m	1.4~1.8N·m
Applicable wires	M3:1.25mm ² max, M3.5:2mm ² max	5.5mm ² max
Conformed Standards	JIS C8201-7-1, NECA C2811, EN/IEC60947-7-1, UL1059	
Rough Weight	28g	54g
Unit price (exclusive of tax)	4 pcs	3 pcs

Materials

Name	Materials	Color	Flame retardance grade
Main Body	Polycarbonate	Gray	UL94V-0
Cover	Polycarbonate	—	UL94V-2
Terminal screw	Iron (Zinc plated Chromate)	—	—
Terminals	Brass (Nickel plating)	—	—
Seal for legends	Vinyl chloride	—	—

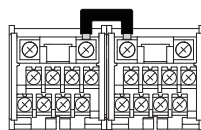
■ Appropriate Accessories

Shot Bar

Short Bar

JTJ024BB (2P)

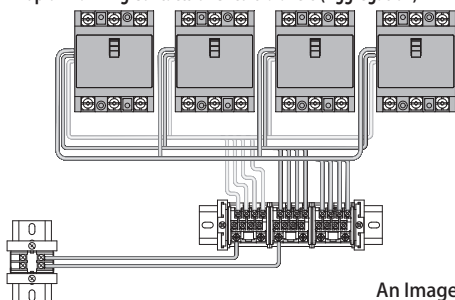
Note: Solely for TNC10. TNC40 cannot be applied.



As accessory for TNC10, we also provide a short bar (JT024BB) that is convenient in adding common terminals.

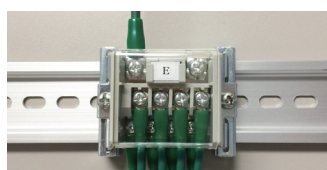
Examples of Application

Link-up of Alarming Contacts of Circuit-breakers (Aggregation)



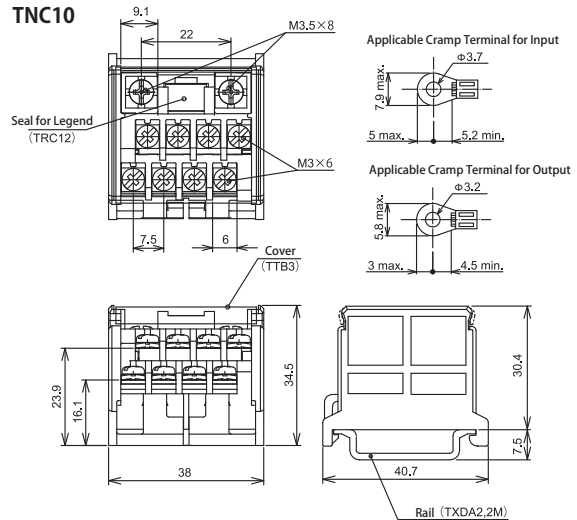
An Image

Compactly Aggregating PE Lines!

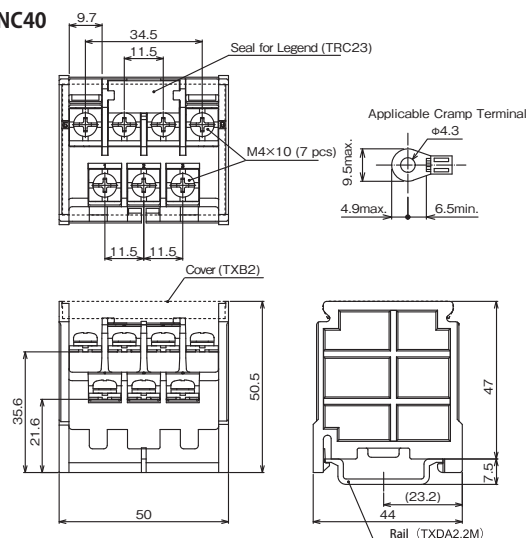


Appearance diagram (Unit:mm)

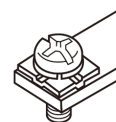
TNC10



TNC40



Standard Screw



Cover

Product Name	Applicable Product	W×L [For Ref.] (mm)	Rough weight per 1 pc	Included Q'ty
● TXB2	TNC40	39× 500	19g	5 pcs
● TXB2L		39× 1000	38g	5 pcs
● TTB3	TNC10	34× 500	17g	5 pcs
● TTB3L		34× 1000	34g	5 pcs

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Water-resistant
Relay Box

JPB
Series

IP67 (Before Processing)

PBT

Max. 16 Sensor Circuits

JPBF180



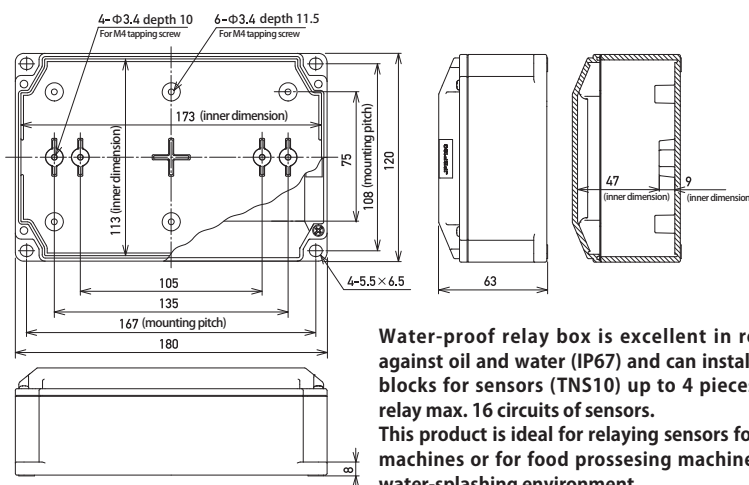
Specifications

Product Name	● JPBF180
Ambient Temperature during usage	-25~+80°C
Relative Humidity	45~85%RH
Protection	IP67 ^{Note}
Rough Weight	370g
Q'ty per 1 Package	1 pc

Note: The waterproof performance indicated applies to the cover only.
The waterproof performance at the cable entry depends on the cable gland used.

*We do not supply cable glands.
Please purchase cable glands separately.

Appearance diagram (Unit:mm)



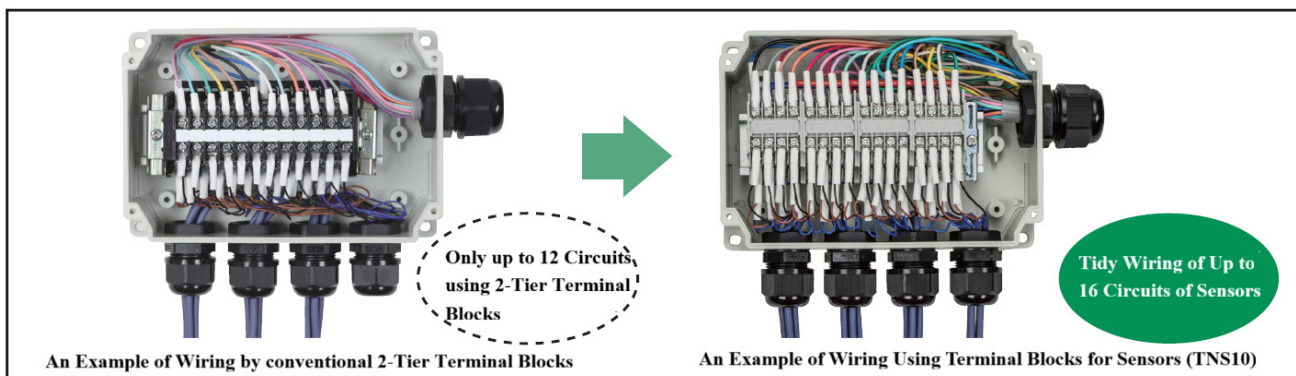
Water-proof relay box is excellent in resistance against oil and water (IP67) and can install terminal blocks for sensors (TNS10) up to 4 pieces and can relay max. 16 circuits of sensors.

This product is ideal for relaying sensors for working machines or for food processing machines used in water-splashing environment.

Materials

Name	Materials	Flame retardance grade
Case, Cover	PBT	UL94V-0
Sealing	Elastomer	—
Screws /Nut	SUS/Brass (Nickel plated)	—

Up to 16 circuits of wiring of sensors by utilizing dedicated terminal blocks



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Water-resistant
Relay Box

JPB
Series

IP67

Polyamide Alloy (JPBS04/JPBS06) / PBT (JPBG04)

15A (JPBS04/JPBS06) / 20A (JPBG04)

4P (JPBS04/JPBG04) / 6P (JPBS06)

JPBS/JPBG

- The JPBS series features an integrated structure combining the case and the cable gland.
- The JPBG04 is a female-thread type designed for use with cable glands up to CTG16.



JPBS04



JPBG04

Specifications

Product Name	● JPBS04	● JPBS06	● JPBG04
Terminal blockPoles	4P	6P	4P
Voltage Ratings	AC/DC250V	AC/DC250V	AC/DC600V
Current Ratings	15A	15A	20A
Insulating Resistance	1000MΩ以上 (DC500V Megger)		
Withstanding Voltage	2000V 1 Min.	2500V 1 Min.	
Operating Temperature Range	-25~+80°C		
Relative Humidity	45~85%RH		
Applicable wires	1.25mm ² max.	1.25mm ² max.	2mm ² max.
Terminal screw	M3 (0.6~0.9N·m)	M3 (0.6~0.9N·m)	M3.5 (1.0~1.3N·m)
Outer Diameters of Applicable Cables	Φ3.5~Φ6.1 (attached)、 Φ6.0~Φ9.0 (attached)		
Protection	IP67	IP67	IP67 [※]
Rough Weight	51g	74g	100g
Q'ty per 1 Package	1 pc	1 pc	1 pc

Note: Indicating the Water-proof Property of Covers. IP Ratings for Connecting Parts with Cables Depend on the Types of Cableground.
[※] We are not handling Cablegrounds. Purchase them from other vendors.

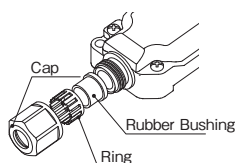
Materials

Product Name	JPBS04, JPBS06	JPBG04
Case/ Cover	Polyamide alloy	PBT
Case Sealing	NBR	Elastomer
Cap	Polyamide alloy	—
Rubber Busing	NBR	—
Ring	Polypropylene	—
Screw for Cover	SUS	SUS
Nut for Cover	Brass	Brass
Terminal screw	Iron	Iron
Terminal Plate	Brass	Brass

Cautions on Usage

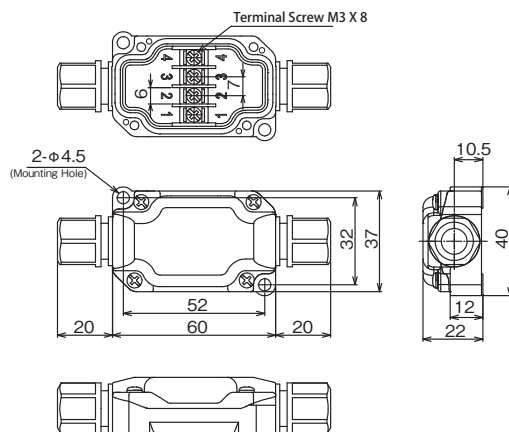
For the JPBS series, be sure to tighten the cap while paying attention to the correct order and orientation of the rubber bush and ring. Improper assembly may result in loss of waterproof performance.

Range of Applicable Cable Diameters
 Small Rubber Bushing : φ3.5~φ6.1
 Large Rubber Bushing : φ6.0~φ9.0

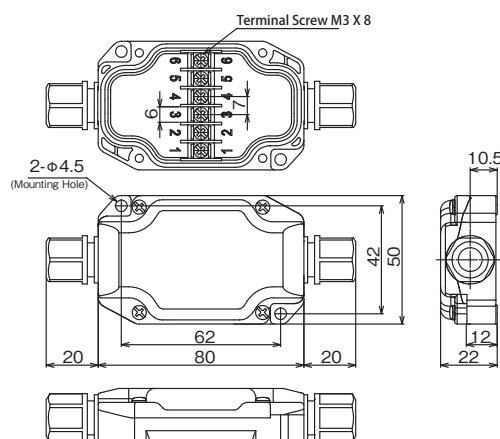


Appearance diagram (Unit:mm)

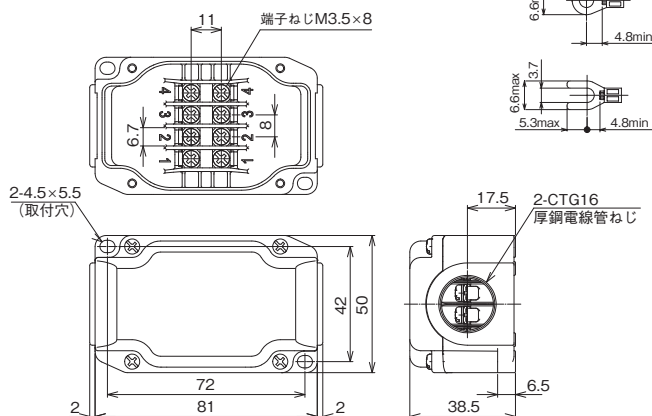
JPBS04



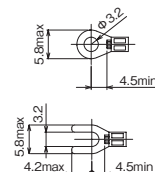
JPBS06



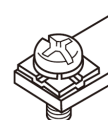
JPBG04



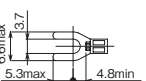
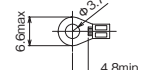
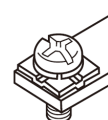
Applicable Cramping Terminal



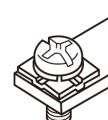
Standard Screw



Standard Screw



Standard Screw



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Water-resistant
Relay Box

JPB
Series

15A

Withstanding Voltage 2000V1 Min.

10P

1.25 mm²

M3

Standard Screw

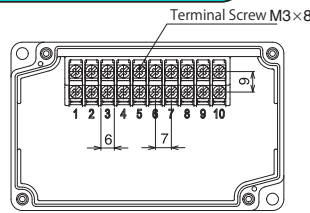
IP67 (Before Processing)

PBT

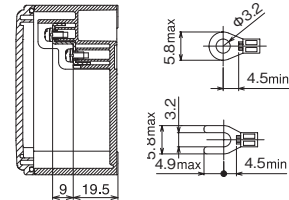
JPBX10



Appearance diagram (Unit:mm)



Applicable Cramping Terminal

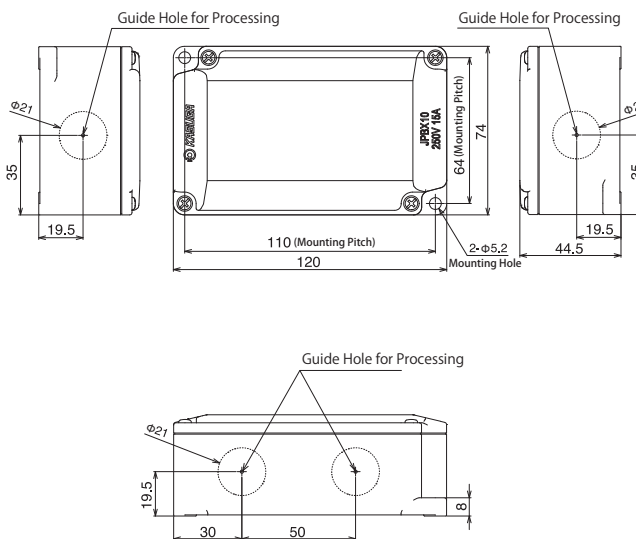


Specifications

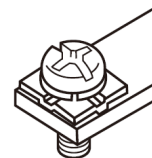
Product Name	● JPBX10
Terminal blockPoles	10 poles
Voltage Ratings	AC/DC250V
Current Ratings	15A
Insulating Resistance	1000MΩ以上 (DC500VMega)
Withstanding Voltage	2000V 1 min.
Operating Temperature Range	-25~+80℃
Relative Humidity	45~85%RH
Applicable wires	1.25mm ² max.
Terminal screw	M3 (0.6~0.9N·m)
Outer dia. of applicalbe cables	Max. Φ34.2 (Outer dia. of Cablegrounds)
Protection	IP67 ^{Note}
Roughweight	198g
Q'ty per 1 Package	1 pc

Note: Indicating the Water-proof Property of Covers. IP Ratings for Connecting Parts with Cables Depend on the Types of Cabelground.

* We are not handling Cablegrounds. Purchase them from other vendors.



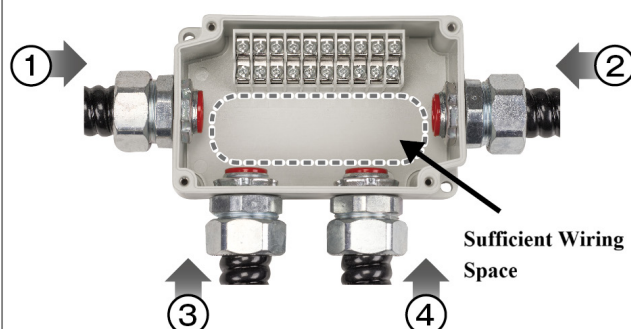
Standard Screw



Materials

Product Name	JPBX10
Case/ Cover	PBT
Case Sealing	Elastomer
Cap	—
Rubber Bushing	—
Ring	—
Screw for Cover	SUS
Nut for Cover	Brass
Terminal screw	Iron
Terminal Plate	Brass

Max.4 mounting-hole processings are possible (up to CTG16)



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Stud Terminal
Block
(for fixed use)

TS-R
Series

130A (TS100R), 240A (TS200R), 370A (TS400R), 520A (TS600R)

M8 (TS100R), M10 (TS200R), M12 (TS400R), M16 (TS600R)

Stud (with Guide)

TS-R

Compact and lightweight, requiring minimal installation space, and allowing connections from any direction. Ideal for use as relay terminals in high-current circuits, test terminals, and supports for bus bars (copper strips). Equipped with a guide at the tip of the bolt, making nut removal easy.



Specifications

Product Name	● S100R	● S200R	● S400R	● S600R
Dielectric strength voltage	600V	600V	600V	600V
Current Ratings	38mm ² [130A]	100mm ² [240A]	200mm ² [370A]	325mm ² [520A]
Applicable wires and their maximum current	22mm ² —90A (30mm ² —110A) 38mm ² —130A (50mm ² —130A)	60mm ² —175A (80mm ² —210A) 100mm ² —240A	150mm ² —310A 200mm ² —370A 250mm ² —430A 325mm ² —520A	250mm ² —430A 325mm ² —520A
Terminal screw	M8×33 Stud (with Guide)	M10×38.5 Stud (with Guide)	M12×50 Stud (with Guide)	M16×64 Stud (with Guide)
Tightening torque	8~10N·m	15~20N·m	25~35N·m	70~90N·m
Flame retardance grade	UL94V-0	UL94V-0	UL94V-0	UL94V-0
Roughweight	80g	145g	285g	410g

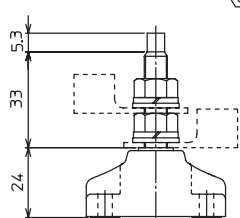
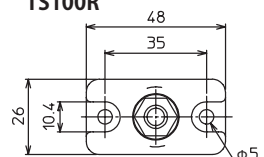
Common Specifications

Temperature Range during Usage	-25~+55°C (No Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Temperature Rise	Max. 45°C of Temperature Rise at Conductive Parts
Insulating Resistance	Min. 100MΩ between each Terminal Part and Mounting Board
Withstanding Voltage at Commercial Frequency	2500V 1 Min.
Impulse Withstanding Voltage	6000V
Conformed Standards	JIS C8201-7-1 ^{Note1} , NECA C2811 (JIS C2811) ^{Note2}
Body Materials	Phenol (Black)
Flame retardance grade	UL94V-0

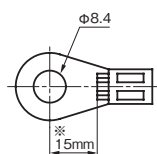
Note1: JIS C2811 has been transferred to JIS C8201-7-1 effective May 2010.
Note2: NECA C2811 is a standard based of JIS C2811.

Appearance diagram (Unit:mm)

TS100R

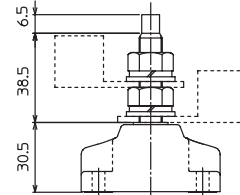
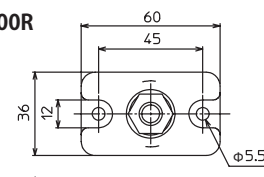


■ Applicable Cramping Terminal

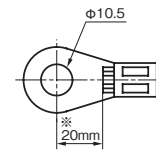


※下段2枚接続時の下側の圧着端子に適用。接続は図の矢印の方向から取り付けてください。

TS200R

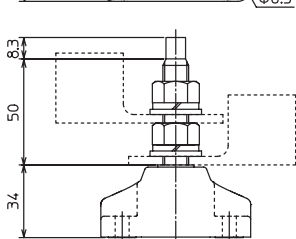
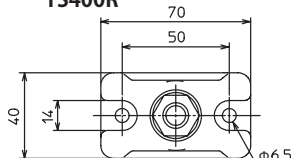


■ Applicable Cramping Terminal

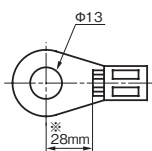


※Applied to the cramp terminal that comes at bottom when two terminals are connected to the lower layer. Connection shall be done from the directions stated in the charts as arrows.

TS400R

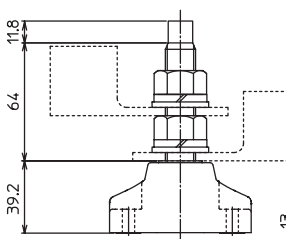
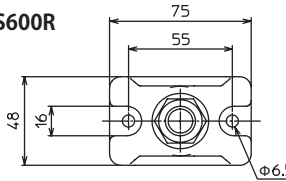


■ Applicable Cramping Terminal

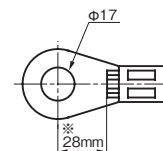


※Applied to the cramp terminal that comes at bottom when two terminals are connected to the lower layer. Connection shall be done from the directions stated in the charts as arrows.

TS600R



■ Applicable Cramping Terminal



※Applied to the cramp terminal that comes at bottom when two terminals are connected to the lower layer. Connection shall be done from the directions stated in the charts as arrows.

Note: If the short-circuit current exceeds 17kA, directly connect cramp terminals without inserting a nut, a spring-washer, and a flat washer.

Note: If the short-circuit current exceeds 30kA, directly connect cramp terminals without inserting a nut, a spring-washer, and a flat washer.

Grounding
(Earthing)
Stud
Terminal
Block (For
Fixed Use)

TS-CHM
Series

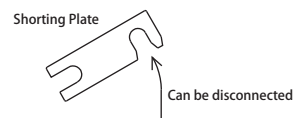
M8 (TS104CHM), M10 (TS204CHM), M12 (TS404CHM)

Stud

TS-CHM

This products best suit terminal blocks for Protective Earth of distribution boards or controlling boards.

- Since shorting board can be removed, Mega test can be easily conducted.



Common Specifications

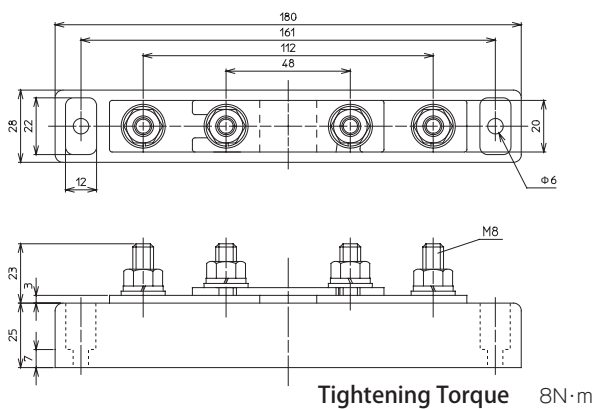
Ambient Temperature	-25~+40°C (No Freezing nor Dew condensation)
Relative Humidity	45~85%RH
Insulating Resistance	Min. 100MΩ (500VMega)
Commercial Frequency Withstanding Voltage	2500V 1 Min.
Body Materials	Phenol (Black)
Flame retardance grade	UL94V0

Specifications

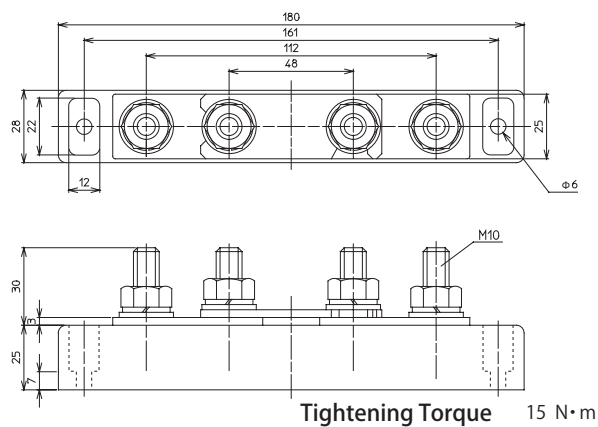
Rated Insulation Voltage	Ratings	Number of Studs, Diameters	Product Name	Rough weight
600V	38mm ² [100A]	4-M8	● TS104CHM	310g
	100mm ² [200A]	4-M10	● TS204CHM	430g
	200mm ² [400A]	4-M12	● TS404CHM	1000g

Appearance diagram (Unit:mm)

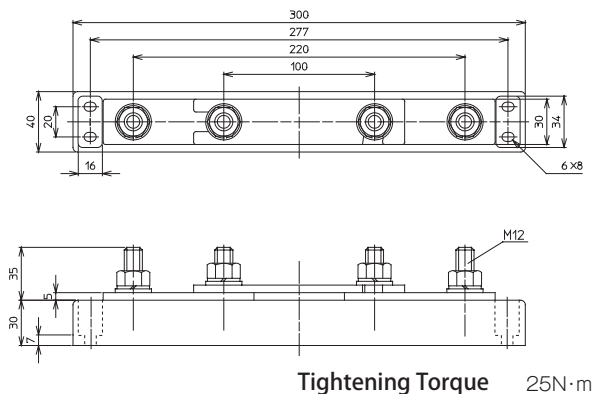
TS104CHM



TS204CHM



TS404CHM



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Assembled
Terminal
Block for
Transformers

TEV
Series

20A

2 mm²

With Cover

600V

M3

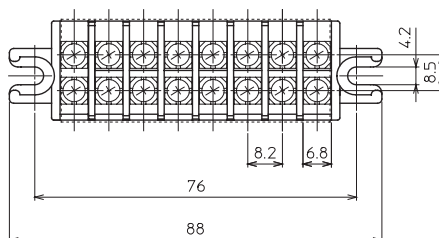
8P

Standard Screw

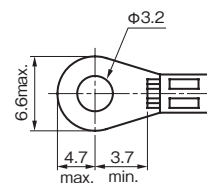
TEV158



Appearance diagram (Unit:mm)



Applicable Cramping Terminal

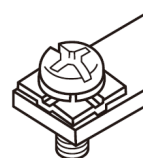


Specifications

Product Name	● TEV158
Dielectric strength voltage	600V
Applicable wires	2mm ²
Current-carrying Current Ratings	20A
Terminal screw	M3×8⊕ Standard screw
Tightening torque	0.6~0.9N·m
Temperature Rise	Under 45°C at Conducting Metal Parts
Withstanding Voltage	2500V 1 Min.
Body Materials	Polycarbonate
Flame retardance grade	UL94V-2
Conformed Standars	JIS C8201-7-1, NECA C2811 (JIS C2811)
Rough Weight	43g
Q'ty per 1 Package	1 pc

If 2mm² type is used, cramp terminals are out of JIS Standards.

Standard Screw



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Screw
Assembled
Terminal
Block for
Transformers

TEV
Series

40A

5.5 mm²

With Cover

600V

M4

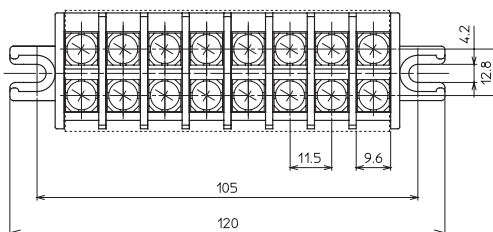
8P

Standard Screw

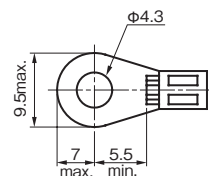
TEV308



Appearance diagram (Unit:mm)

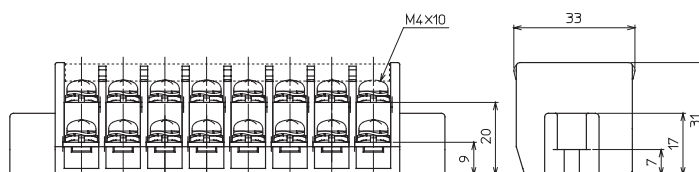


Applicable Cramping Terminal

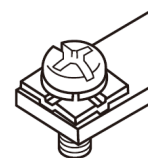


Specifications

Product Name	● TEV308
Dielectric strength voltage	600V
Applicable wires	5.5mm ²
Current-carrying Current Ratings	40A
Terminal screw	M4×10 ± Standard screw
Tightening torque	1.4~1.8N·m
Temperature Rise	Under 45°C at Conducting Metal Parts
Withstanding Voltage	2500V 1 Min.
Body Materials	Polycarbonate
Flame retardance grade	UL94V-2
Conformed Standars	JIS C8201-7-1、NECA C2811 (JIS C2811)
Rough Weight	95g
Q'ty per 1 Package	1 pc



Standard Screw



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Accessories for Terminal Block



Accessories for Terminal Block

End Plate Insulation Barrier Removal Tool

End Plate

●Materials: 66Polyamide

● For push-in terminal blocks

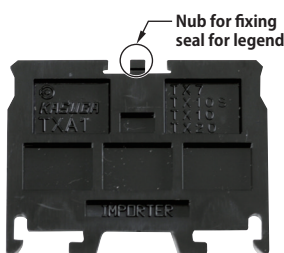


TWA20B

Product Name	Applicable terminal blocks	Roughweight per 1 pc	Q'ty per 1 Package
● TWA10B	TW10B	4g	A・B 5 sets
● TWA15B	TW15B	4.5g	A・B 5 sets
● TWA16B	TW16B	5.5g	A・B 5 sets
● TWA20B	TW20B	4g	A・B 5 sets
● TWA25B	TW25B	4.5g	A・B 5 sets
● TWA26B	TW26B, TW26BN	7g	A・B 5 sets
● TWA16BC	TW16BC	5.5g	A・B 5 sets
● TWA26BC	TW26BC	10g	A・B 5 sets
● TWA16BCB	TW16BCB	5.5g	A・B 5 sets
● TWA26BCB	TW26BCB	10g	A・B 5 sets
● TWA15D	TW15D	5g	A・B 5 sets
● TWA16D	TW16D	6g	A・B 5 sets
● TWA25D ^{Note}	TW25D, TW25DE, TW25DN	7g	10 sheets
● TWA26D ^{Note}	TW26D, TW26DE	7.5g	10 sheets
● TTWA20D	TTW20D	11g	A・B 5 sets

Note: Both for right and left sides

● For screw terminal blocks



TXA1

●Materials: Polycarbonate

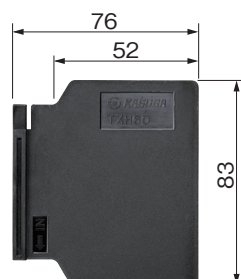
Product Name	Applicable terminal blocks	Roughweight per 1 pc	Q'ty per 1 Package
● TXA1	TX7~TX20	2.5g	10 sheets
● TXA3	TX30	4g	10 sheets
● TXA5	TX50	5g	10 sheets
● TXA6	TX60	5.5g	5 sheets
● TXA10	TX100	11g	5 sheets
● TXA15	TX150	14g	5 sheets
● TXUA1	TXU7~TXU20	2.5g	10 sheets
● TXUA3	TXU30	4.5g	10 sheets
● TXUA5	TXU50	5g	10 sheets
● TXUA6	TXU60	6g	5 sheets
● TXUA10	TXU100	14g	5 sheets
● TTA15K	TT105K, TT105UK, TT105KM35, TT105UKM35	12.7g	A・B 5 sets
● TTA2K	TT20K, TT20UK	22g	A・B 5sets
● TFPA20	TFP15, TFP20	2.5g	10 sheets
● TFPA40	TFP40	5g	10 sheets
● TFPA80	TFP80	7g	10 sheets
● TTFPA20	TTFP203, TTFP2035	13g	A・B 5sets
● TTGA20	TTG203, TTG2035, TTG20U3, TTG20U35	13g	A・B 5sets
● TTGA40	TTG40, TTG40U	22g	A・B 5sets

※ The Weight indicated for a set of End plates is that of a total set.

Insulation Barrier

●Materials: Polypropylene

Product Name	Applicable terminal blocks	Rough Weight per 1 pc	Q'ty per 1 Package
● TXH60	TX600N, TX800N, TXM600N, TXM800N, TX1000N, TXM1000N, TQB400D	12g	2 sheets



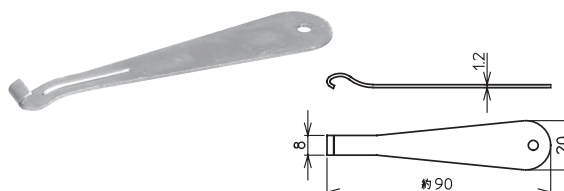
t=2

Removal Tool for TX Series

●Materials: Steel plate Zinc plating (Trivalent chromate treatment)

Product Name	Applicable terminal blocks	Rough Weight per 1 pc
● TXK	TX7~20, TXU7~20	12g

※ This is a tool to disassemble units that are attached to ICE 35mm width rail.



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Cover

● For rail-mount terminal blocks



●Materials: Transparent polycarbonate

Product Name	Applicable terminal blocks	W x L (mm)	Rough Weight per 1 sheet	Q'ty per 1 Package
● TXB1	TEU11 (for Repair)	37 × 500	25g	5 pcs
● TXB2	TX7, TX105M3, TX105, TX10, TX20, TXU7, TXU105M3, TXU105, TXU10, TXU20, 2-tierTerminal block (for Top-tier) (TT20K, TT20UK, TTG40, TTG40U), TNC40	39 × 500	19g	5 pcs
● TXB2L		39 × 1000	38g	5 pcs
● TRB1	TL15 (for Repair)	35.5 × 500	24g	5 pcs
● TRB2	TL25 (for Repair)	40 × 500	32g	5 pcs
● TRB3	TX30, TX50, TXU30, TXU50	49 × 500	39.5g	5 pcs
● TRB3L		49 × 1000	79g	5 pcs
● TRB6	TX60, TXU60	56 × 500	43g	5 pcs
● TRB10N	TX100, TX150, TXU100	75 × 500	57g	5 pcs
● TRB20N	TX200, TX300	87 × 500	71g	2 pcs
● TRB40N	TX400, TX600N, TX800N, TX1000N	124 × 500	129g	2 pcs
● TRB100N01	TX600N (1P), TX800N (1P), TX1000N (1P)	124 × 64	14g	3 pcs
● TRB10N03	TX100(3P), TXU100(3P)	75 × 85	10g	10 pcs
● TRB20N03	TX200(3P)	87 × 117	17g	5 pcs
● TRB30N03	TX300(3P)	87 × 138	21g	5 pcs
● TRB40N03	TX400(3P)	124 × 186	46g	5 pcs
● TRB60N03	TX600N(3P), TX800N(3P), TX1000N(3P)	124 × 192	49g	5 pcs
● TTB15	TT105K, TT105UK	31.5 × 500	21g	5 pcs
● TTB15L	TT105KM35, TT105UKM35	31.5 × 1000	42g	5 pcs
● TTB2	2-tierTerminal block (for 2nd-tier)	10.4 × 500	7g	5 pcs
● TTB2L	(TT20K, TT20UK, TTG20, TTG20U, TTG40, TTG40U)	10.4 × 1000	14g	5 pcs
● TTGB2L	2-tierTerminal block (for 2nd-tier) (TTG20, TTG20U)	15.5 × 1000	11g	5 pcs
● TTGB4L	2-tierTerminal block (for 2nd-tier) (TTG40, TTG40U)	17 × 1000	12g	5 pcs
● TTB3	2-tierTerminal block (for Top-tier) (TTG20, TTG20U),	34 × 500	17g	5 pcs
● TTB3L	TNC10, TEV308	34 × 1000	34g	5 pcs
● TXJB7	TEV158 (for Repair)	24.5 × 500	12g	5 pcs
● TXJB8	TEN8 (for Repair)	29.5 × 500	16g	5 pcs
● T20COVER	T20C (for Repair)	35.5 × 1000	48g	1 pc
● T30B	T30C, TEU14 (for Repair)	45 × 500	33g	5 pcs

● Applicable covers for Assembled terminal block (for Repair)

Applicable terminal blocks	Cover
T10	TTB15 (L)
T20C	T20COVER
T30C	T30B
TC60C	TRB6
TC100C	TRB10N
TC200C	TRB20N

Applicable terminal blocks	Cover
TL15	TRB1
TL25	TRB2
TL35	TRB3 (L)
TEN7	TXJB7
TEN8	TXJB8
TEN11, TEU8	TTB3 (L)

Applicable terminal blocks	Cover
TEU11	TXB1
TEU14	T30B

● TC300B • 450B • 600B sole use covers ●Materials:Transparent Polycarbonate

Applicable terminal blocks	Abstract	Product Name	Rough Weight
TC300B	Without holes	● TCB3B	25g
	With holes for Megatest (2-Φ5)	● TCB3C	23g
TC450B	Without holes	● TCB4B	40g
	With holes for Megatest (2-Φ5)	● TCB4C	38g
TC600B	Without holes	● TCB6B	50g
	With holes for Megatest (2-Φ5)	● TCB6C	48g

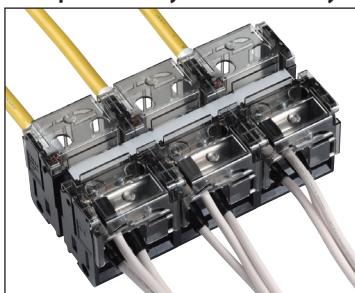
● High-capacity Set Terminal block (for TQB series)

General Cover ●Materials:Transparent polycarbonate

Safety Cover ●Materials:Transparent polycarbonate

Applicable terminal blocks	Product Name	Rough weight	Q'ty per 1 Package
TQB60D	● TQBB6D	7g	2 pcs
TQB100D	● TQBB10D	9g	2 pcs
TQB200D	● TQBB20D	16g	2 pcs
TQB400D	● TQBB40D	30g	2 pcs

Example of Safety cover Assembly

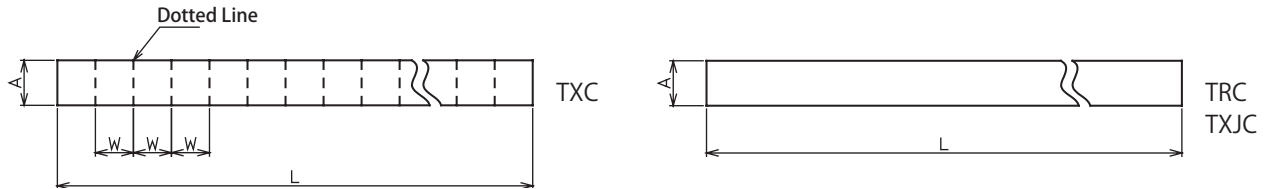


Applicable terminal blocks	Poles	Product Name	Rough weight	Q'ty per 1 Package
TQB60D01	1	● TRB10N60D01	6g	1 pc
TQB60D02	2	● TRB10N60D02	15g	1 pc
TQB60D03	3	● TRB10N60D03	20g	1 pc
TQB60D04	4	● TRB10N60D04	26g	1 pc
TQB100D01	1	● TRB20N100D01	11g	1 pc
TQB100D02	2	● TRB20N100D02	20g	1 pc
TQB100D03	3	● TRB20N100D03	30g	1 pc
TQB100D04	4	● TRB20N100D04	36g	1 pc
TQB200D01	1	● TRB40N200D01	20g	1 pc
TQB200D02	2	● TRB40N200D02	46g	1 pc
TQB200D03	3	● TRB40N200D03	70g	1 pc
TQB200D04	4	● TRB40N200D04	96g	1 pc
TQB400D01	1	● TRB40N400D01	25g	1 pc
TQB400D02	2	● TRB40N400D02	52g	1 pc
TQB400D03	3	● TRB40N400D03	100g	1 pc
TQB400D04	4	● TRB40N400D04	130g	1 pc

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Seal for Legend

Since separation lines are printed on TXC type, it can be attached to terminal units after stamping.



Product Name	Dimension (mm)		Applicable Terminal Block	Material	Length: L	Rough Weight	Qty per 1 Package
	Width A	Pitch: W					
● TXC07	9.5	Head 7.3 Tail 8	TX7, TXU7 TX10S, TXU10S	PVC (t=0.5mm)	5m	37g	1 pc
● TXC073	9.5	Head 7.3 Tail 8	TX7, TXU7 TX10S, TXU10S	PP (t=0.5mm)	5m	24g	1 pc
● TXC1	9.5	Head 8 Tail 9.5	TX10S, TXU10S TX10, TXU10	PVC (t=0.5mm)	5m	37g	1 pc
● TXC13	9.5	Head 8 Tail 9.5	TX10S, TXU10S TX10, TXU10	PP (t=0.5mm)	5m	26g	1 pc
● TXC2	9.5	Head 11.5 Tail 14.5	TX20, TXU20 TX30, TXU30	PVC (t=0.5mm)	5m	37g	1 pc
● TXC23	9.5	Head 11.5 Tail 14.5	TX20, TXU20 TX30, TXU30	PP (t=0.5mm)	5m	24g	1 pc
● TRC21	9.5	Plain	TX (Excl. TX200 - TX1000N) • TXU • TT TW, TFW, TFP, TTG, TL35, TEU14, TNC40 (For Repair)	Fiber (t=0.5mm)	5m	32g	1 pc
● TRC22				PVC (t=0.5mm)	5m	37g	1 pc
● TRC22L100				PVC (t=0.5mm)	100m	740g	1 pc
● TRC23				PP (t=0.5mm)	5m	24g	1 pc
● TRC23L100				PP (t=0.5mm)	100m	480g	1 pc
● TRC11	6.5	Plain	TL15, TL25, TEN8, TEN11, TEU8, TEU11, TNC10 (For Repair)	Fiber (t=0.5mm)	5m	24g	1 pc
● TRC12				PVC (t=0.5mm)	5m	26g	1 pc
● TRC12L100				PVC (t=0.5mm)	100m	520g	1 pc
● TRC13				PP (t=0.5mm)	5m	18g	1 pc
● TRC13L100				PP (t=0.5mm)	100m	360g	1 pc
● TXJC52	5.5	Plain	TEN7 (For Repair)	PVC (t=0.5mm)	5m	24g	1 pc
TXJC53				PP (t=0.5mm)	5m	17g	1 pc
T10KIMEISEAL	5.5	Plain	T10 (For Repair)	Fiber (t=1mm)	1m	6.8g	1 pc
T20KIMEISEAL	6.5	Plain	T20C (For Repair)	Fiber (t=1mm)	1m	8.1g	1 pc
T30KIMEISEAL	9.5	Plain	T30C (For Repair)	Fiber (t=1mm)	1m	12.2g	1 pc
TC60KIMEISEAL	9.5	Plain	TC60C (For Repair)	Fiber (t=1mm)	1m	12.2g	1 pc

Note 1: In using fiber-based tapes (TRC21, TRC11TXJC51), they cannot be printed by automated printers. Please print them by rubberstamp.

Note 2: In using TXC types, the more the number of poles, the more accumulated tolerances. Please limit the number of poles in reference to the below list.

Max. Number of Poles of Seals with Separation Lines

Terminal block Product Nam	Poles
TX7, TXU7 TX10S, TXU10S	60
TX10, TXU10	50
TX20, TXU20	40
TX30, TXU30	30

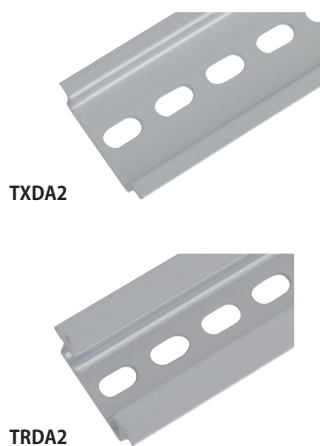
● Seal for legends for assembled terminal blocks (for Repair)

Applicable terminal blocks (Basic type name)	Seal for legends	Applicable terminal blocks (Basic type name)	Seal for legends
T10	T10 KIMEISEAL	TXM (excl. TXM200 - TXM1000-N)	TRC21, TRC22, TRC23
T20C	T20KIMEISEAL	TXUM	TRC21, TRC22, TRC23
T30C	T30 KIMEISEAL	TQB	TRC21, TRC22, TRC23
TC60C	TC60 KIMEISEAL	TFPM	TRC21, TRC22, TRC23
TL15, TL25	TRC11, TRC12, TRC13	TWM	TRC21, TRC22, TRC23
TL35	TRC21, TRC22, TRC23		
TEN7	TXJC52, 53		
TEN8, TEN11	TRC11, TRC12, TRC13		
TEU8, TEU11	TRC11, TRC12, TRC13		
TEU14	TRC21, TRC22, TRC23		

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Rail

We provide two types of Rails (IEC 35mm width, IEC Standard/C Type dual). We also provide Metal supporter in order to distance rails from the base or change mounting angles.



Product Name	Types	Materials	Height (mm)	Long Hole (mm)	Length (mm)	Rough Weight per 1 pc	Lot for Sale
● TXDA2	IEC35mm width Rail	Aluminum	7.5	5.2×10	1005	175g	1 pc
● TXDA2M					2010	350g	50 pcs
● JXDA		Aluminum	7.5	4.5×25	980	171g	1 pc
● JXDAM					1960	342g	50 pcs
● JXDB		Aluminum	7.5	5.2×10	990	177g	1 pc
● JXDBM					1980	354g	50 pcs
● JXDC		Aluminum	7.5	5.5×25	980	175g	1 pc
● JXDCM					1960	350g	50 pcs
● JXDD		Aluminum	7.5	5.5×20.5	1000	174g	1 pc
● JXDDM					2000	348g	50 pcs
● TRDA2	IEC-C Type Dual-use Rail	Aluminum	10	5.2×10	1005	215g	1 pc
● TRDA2M					2010	430g	30 pcs
● TRDA2K		Aluminum (Black alumite)	10	5.2×10	1005	215g	1 pc

※ We suggest that you fix a long rail at several points by screws so that you can get enough strength.
※ As for 2m rail, please order them by the lot quantity.

■ Appearance diagram (Unit:mm)

TXDA2, TXDA2M	JXDC, JXDCM
JXDA, JXDAM	JXDD, JXDDM
JXDB, JXDBM	TRDA2, TRDA2M, TRDA2K

● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Stopper



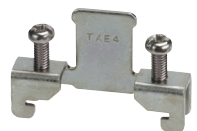
TWE1



JTxE3



TXE1



TXE4



TXE2



TRE1



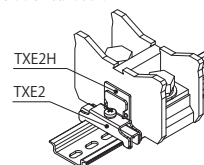
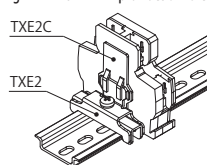
TXE2C



TWE2 (樹脂製)

Product Name	Abstract		Rough Weight per 1 pc	Q'ty per 1 Package
● TWE1	Applicable for IEC35mm width Rail (TXDA, TRDA)	Thin	11g	10 pcs
● TWE2		Resin	4g	10 pcs
● TXE1		Standard	20g	10 pcs
● TXE2		Large	21g	10 pcs
● TXE4		2-pt fix	12g	10 pcs
● JTxE3		—	18g	100 pcs
● JTxE5		Large	20g	100 pcs
● TXE2C	Sub Plate for TXE2		8g	10 pcs
● TXE2H	Stopper Reinforcing plate (for TXDA)		8.4g	10 pcs
● TRE1	IEC Standard/ C Type Dual-use Rail (for TRDA)		12g	10 pcs

※ TXE2 is equipped with a unit-clamping bracket, allowing terminals to be securely fixed in place. It is especially suitable for large terminal blocks such as TX30 and above. For taller terminal blocks like the TT series (two-tier terminal blocks), attaching the auxiliary plate TXE2C ensures even more secure mounting. When installing large terminal blocks such as TX200 and above on an IEC 35 mm-wide rail, combining TXE2 with TXE2H provides a more stable and reliable installation.



● How to install TXE1 and TXE2

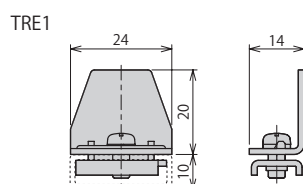
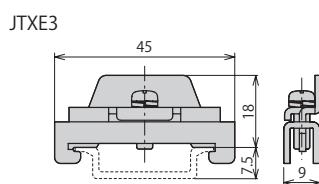
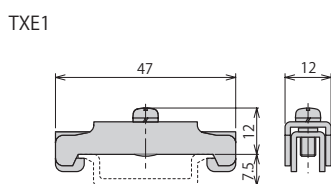
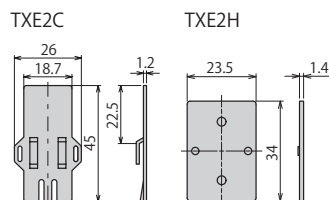
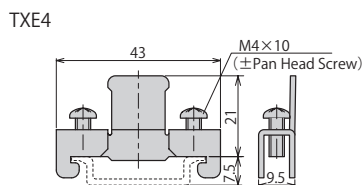
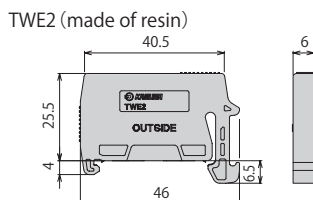
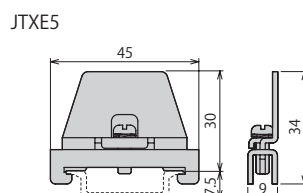
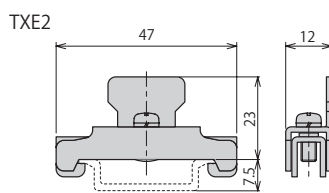
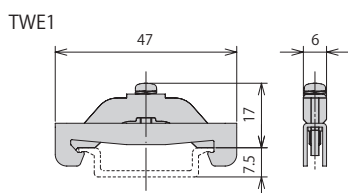
Loosen the screw sufficiently beforehand and set it onto the rail. While pressing the screw head with a screwdriver, tighten the screw to secure it in place.

● How to install TXE4, TXE1, TWE1, JTxE3, and JTxE5

With the new structure, the required rail length is shorter and more compact than in previous designs. They can be secured by lightly tightening the screw—do not overtighten. Make sure that both legs of the bracket are fully engaged with the edge of the rail.

■ Appearance diagram (Unit : mm)

●Materials:Steel plate ●Surface treatment:Zinc plating (Trivalent chromate treatment)



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Copper Bus Bar

Main Circuit-breaker: 100A



TS11

Product Name	L (mm)	W (mm)	t (mm)	No. of holes- Screw Size	Rough Weight per 1pc	Q'ty per 1 Package
● TS11	185	15	4	10-M5	90g	10 pcs
● TS12	310	18	4	20-M5	180g	10 pcs
JTS116	291	15	4	10-M5	150g	10 pcs
JTS126	541			20-M5	270g	10 pcs
● JTS108HS	177	12	4	6-M5	70g	10 pcs
● JTS118HS	237			10-M5	90g	10 pcs
● JTS108H	181	15	4	6-M5	90g	10 pcs
● JTS118H	241			10-M5	120g	10 pcs
● JTS128H	391			20-M5	190g	10 pcs

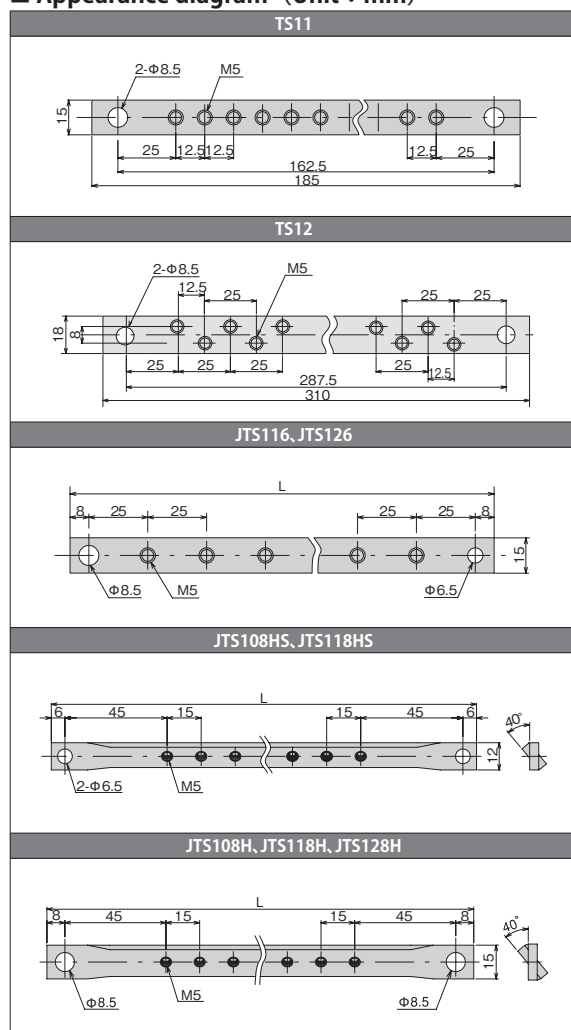


TS22

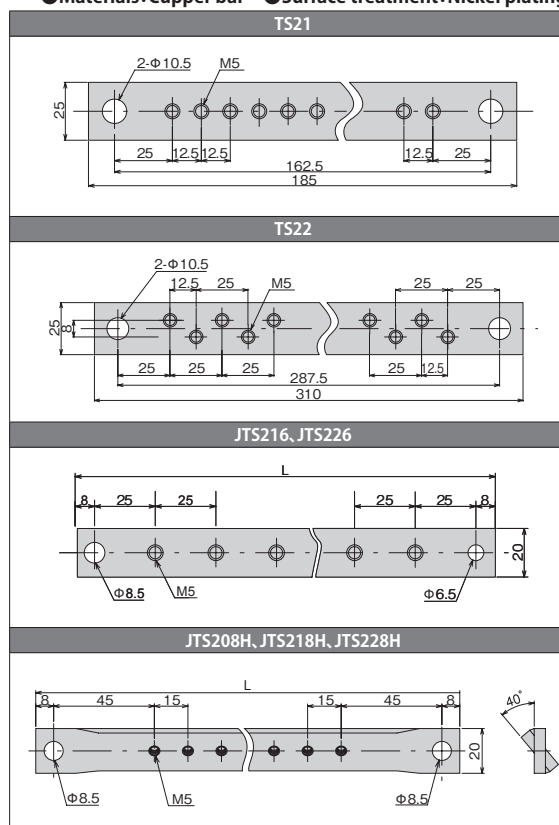
Main Circuit-breaker: 200A

Product Name	L (mm)	W (mm)	t (mm)	No. of holes- Screw Size	Rough Weight per 1pc	Q'ty per 1 Package
● TS21	185	25	4	10-M5	160g	10 pcs
● TS22	310	25	4	20-M5	260g	10 pcs
JTS216	291	20	5	10-M5	250g	10 pcs
JTS226	541			20-M5	460g	10 pcs
● JTS208H	181	20	5	6-M5	150g	10 pcs
● JTS218H	241			10-M5	200g	10 pcs
JTS228H	391			20-M5	330g	10 pcs

■ Appearance diagram (Unit : mm)



● Materials: Copper bar ● Surface treatment: Nickel plating



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Rail Supporter



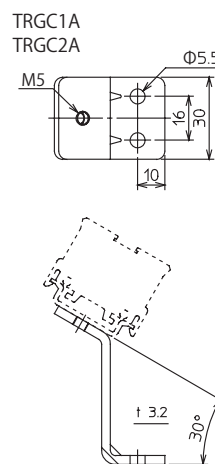
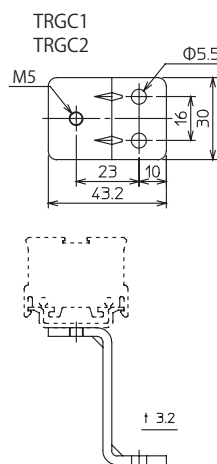
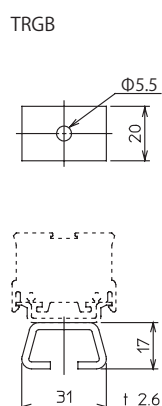
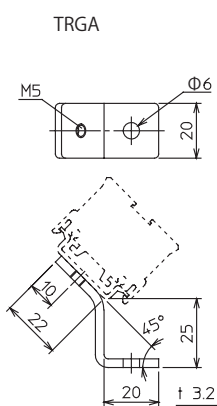
TRGA

Abstract		Product Name	Rough Weight per 1pc	Q'ty per 1 Package
└ Type 45° Trapezoidal	Height 25mm	● TRGA	30g	10 pcs
	Height 17mm	● TRGB	25g	10 pcs
└ Type	Height 50mm	● TRGC1	60g	10 pcs
	Height 90mm	● TRGC2	90g	10 pcs
└ Type 30°	Height 50mm	● TRGC1A	60g	10 pcs
	Height 90mm	● TRGC2A	90g	10 pcs

※ The rail-mount parts of TRGC1A, TRGC2A are bended by 30 degree from those of TRGC1, TRGC2.

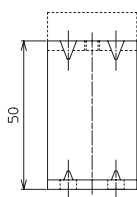
■ Appearance diagram (Unit : mm)

● Materials: Steel plate ● Surface treatment: Zinc plating (Trivalent chromate treatment)

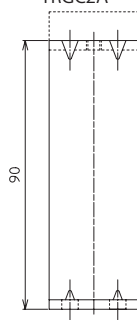


(The Height of TRGC Series)

TRGC1
TRGC1A



TRGC2
TRGC2A



● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Support Metal

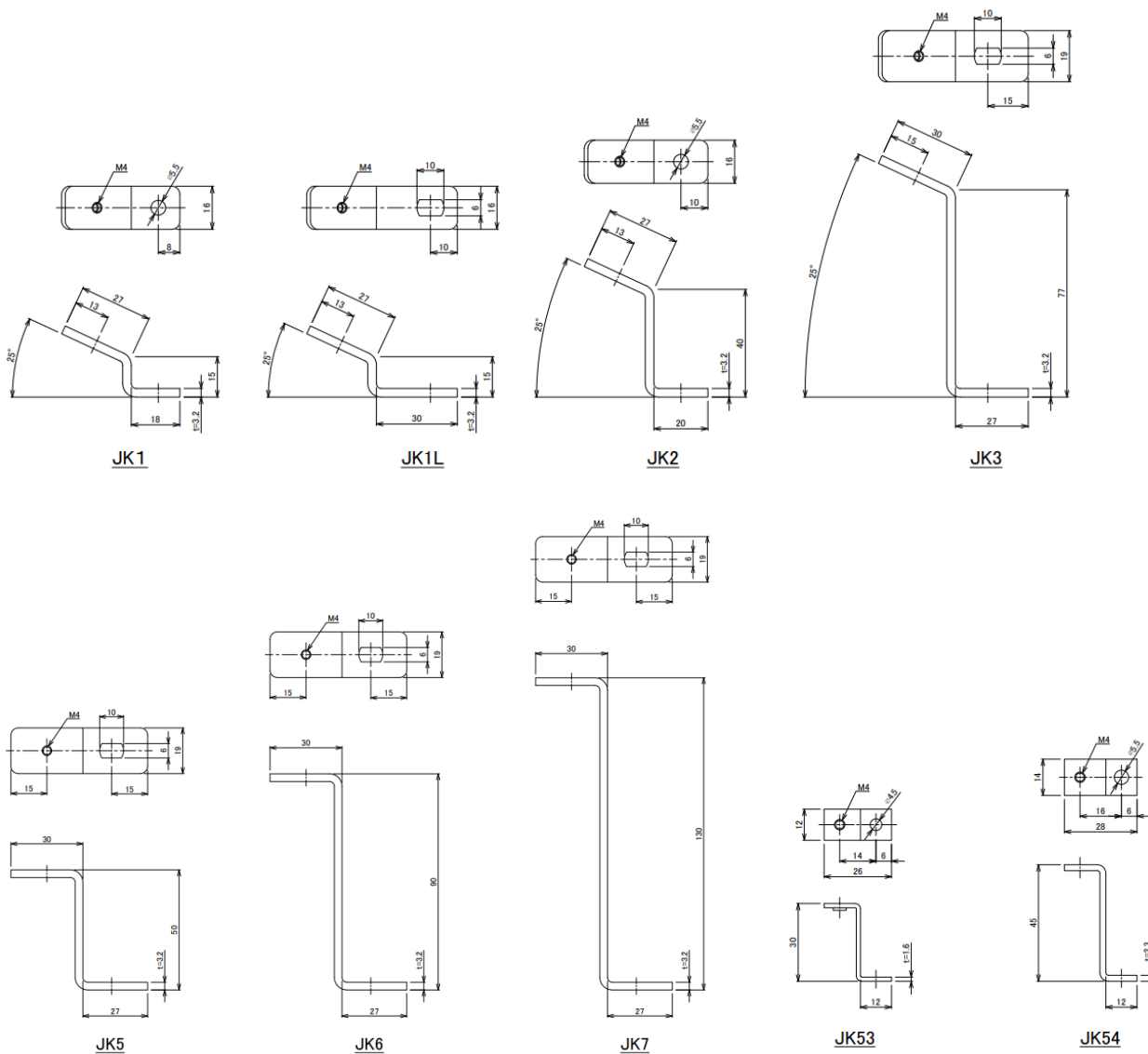


JK6

■ Appearance diagram (Unit:mm)

● Materials: Steel plate ● Surface treatment: Zinc plating (Trivalent chromate treatment)

Abstract	Product Name	External Dimensions (mm)				Rough Weight per 1 pc	Q'ty per 1 Package
		Width	Mounting Part	Height	Thickness		
Standard	● JK1	16	18	15	3.2	20g	100 pc
	● JK1L		30			23g	100 pc
	● JK2		20	40	3.2	30g	100 pc
	● JK3	19	27	77	3.2	54g	50 pc
	● JK5			50	3.2	42g	50 pc
	● JK6			90	3.2	60g	50 pc
	● JK7			130	3.2	75g	50 pc
Small	● JK53	12	12	30	1.6	8g	100 pc
	● JK54	14	12	45	2.3	17g	100 pc



● ...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Terminal Block Accessories

Short Bar For Push-in Terminal Block

For Push-in



Applicable terminal blocks	Current Ratings	Poles	Product Name	Rough weight per 1pc	Q'ty per 1 Package
TW10B,TW15B, TW15D,TW16D	10A	2	● TJW12B	0.6g	50 pcs
TW20B,TW25B, TW25D,TW26D, TTW20D TWM20B,TWM25B,	20A	2	● TJW22	1g	50 pcs
		3	● TJW23	1.5g	50 pcs
		4	● TJW24	2g	50 pcs
		8	● TJW28	4g	50 pcs
		13	● TJW213	7g	10 pcs

Note: TJW213 can be cut and separated to desired number of poles by tools such as a nipper or a plier.

■ Appearance diagram (Unit : mm)

●Materials: Copper ●Surface treatment: Zinc plating ●Insulating film: Polycarbonate

TJW12B	TJW22
TJW23	TJW24
TJW28	TJW213

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Terminal Block Accessories

Short Bar For Screw Terminal Block 1/2

For Screw Terminal Block

For Terminal blocks



Coatingless



Coatingless (Bending)



With Coating

● Materials: Brass (JTJ302B, JTJ2□4B: Copper) ● Surface treatment: Nickel plating ● Insulating Coating: Vinyl chloride

Applicable terminal blocks	Terminal shape	Pitch	Type	Current Ratings	Poles	Product Name	Rough weight per 1pc	Qty per 1 Package		
TEN7		7mm	Coatingless	20A	20	● TJ7201A	7g	10 pcs		
			With Coating		20	● TJ7201B	8.5g	10 pcs		
TFP15, TFPM15		7mm	With Coating	20A	2	● TJ723B	0.8g	10 pcs		
					6	● TJ763B	2.8g	10 pcs		
TX7, TXU7, TXM7, TXUM7		7.3mm	Coatingless	20A	20	● TJ7203B	9.8g	10 pcs		
			With Coating		6	● TJ762A	2.5g	10 pcs		
					20	● TJ7202A	8.5g	10 pcs		
					2	● TJ722B	0.9g	10 pcs		
			Coatingless (Bending)		6	● TJ762B	3g	10 pcs		
					20	● TJ7202B	10g	10 pcs		
					6	● TJ762C	2.5g	10 pcs		
TX10SM3, TXU10SM3, TX10S, TXU10S, TFP20, TTFP203 ^{※2} , TTFP2035 ^{※2} , TTG203 ^{※2} , TTG20U3 ^{※2} , TTG2035 ^{※2} , TTG20U35 ^{※2} , TXM10SM3, TXUM10SM3, TXM10S, TXUM10S, TFPM20		8mm	Coatingless	20A	6	● TJ164A	3g	10 pcs		
			With Coating		20	● TJ1204A	9.5g	10 pcs		
					2	● JTJ124BB	1g	10 pcs		
					6	● TJ164B	3.5g	10 pcs		
		Coatingless (Bending)	20	● TJ1204B	11.5g	10 pcs				
			6	● TJ164C	3g	10 pcs				
			16mm (skipping 1 pole)	2	● JTJ024BB	1.5g	10 pcs			
		8		● JTJ084BB	3.5g	10 pcs				
		TT10SK ^{※2} , TT10SUK ^{※2} , TT10SKM35 ^{※2} , TT10SUKM35 ^{※2} , TEN8 ^{※3} , TEU8 ^{※3}			8mm	Coatingless	20A	6	● TJ161A	2.5g
			With Coating			20		● TJ1201A	9g	10 pcs
2	● TJ121B					0.9g		10 pcs		
6	● TJ161B					3g		10 pcs		
Coatingless (Bending)	20		● TJ1201B		10g	10 pcs				
	6		● TJ161C		2.5g	10 pcs				
	TX10, TXU10, TXM10, TXUM10				9.5mm	Coatingless		20A	6	● TJ162A
With Coating		20		● TJ1202A		10.5g	10 pcs			
		2		● JTJ122BB		1g	10 pcs			
		6		● TJ162B		4g	10 pcs			
Coatingless (Bending)		20		● TJ1202B	12g	10 pcs				
		6		● TJ162C	3.5g	10 pcs				
		19mm (skipping 1 pole)		2	● JTJ022BB	1.5g	10 pcs			
8	● JTJ082BB	3.5g	10 pcs							
T10, TL15		10mm	Coatingless	20A	6	● TJ163A	3.5g	10 pcs		
			With Coating		● TJ163B	4g	10 pcs			
			Coatingless (Bending)		● TJ163C	3.5g	10 pcs			
TEN11, TEU11		11mm	Coatingless	30A	6	● TJ261A	5g	10 pcs		
			With Coating		● TJ261B	6g	10 pcs			
			Coatingless (Bending)		● TJ261C	5g	10 pcs			
TFP40, TTG40 ^{※2} , TTG40U ^{※2} , TFPM40		11mm	With Coating	40A	2	● JTJ224B	2g	10 pcs		
					6	● JTJ264B	6g	10 pcs		
TX20, TXU20, TXM20, TXUM20, TT20K ^{※2} , TT20UK ^{※2}		11.5mm	Coatingless	30A	6	● TJ262A	5g	10 pcs		
			With Coating		2	● TJ222B	2g	10 pcs		
					6	● TJ262B	6g	10 pcs		
					Coatingless (Bending)	6	● TJ262C	5g	10 pcs	
T20, TL25		12mm	Coatingless	30A	6	● TJ263A	5g	10 pcs		
			With Coating		● TJ263B	6g	10 pcs			
			Coatingless (Bending)		● TJ263C	5g	10 pcs			
TX30, TXU30, TXM30, TXUM30, T30, TL35, TEU14		15mm	With Coating (Bending)	50A	2	● JTJ302B	7g	10 pcs		

To be continued
to 2 / 2

Note: Use short bars in order the aggregated current not to exceed the current-carrying ratings for heat-resistant wires.

※ 2: Use these short bars for terminals in lower tiers. If used for terminals in upper tiers, upper short bars must be removed before tightening or loosening terminal screws in lower tiers.

※ 3: 1-pole skipping types (JTJ024BB, JTJ084BB) can also be applied.

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Terminal Block Accessories

Short Bar
for Screw Terminal
Block 2/2,
for Relay Socket

RoHS 10

For Terminal blocks

●Materials: Copper ●Surface treatment: Nickel plating ●Insulating Film: Vinyl chloride

Applicable terminal blocks	Terminal shape	Terminal-pitch	Type	Current-ratings	Poles	Product Name	Rough weight per 1pc	Q'ty per 1 Package
TX50, TXU50, TFP80, TXM50, TXUM50, TFPM80		15mm	With Coating (Bending)	80A	2	● JTJ802B	10g	10 pcs
TX60, TXU60, TXM60, TXUM60, TC60C		19mm		90A	2	● JTJ602B	15g	10 pcs
TX100, TXU100, TXM100, TXUM100, TC100C		26mm		130A	2	● JTJ1002B	34g	10 pcs

For Relay socket

With in the same Socket

●Materials: Brass ●Surface treatment: Nickel plating ●Insulating Film: Polyamide

Product Name	Terminal shape	Poles	Terminal-Pitch	Type	Applicable Sockets			Max. Current-ratings	Q'ty per 1 Package
					Omron	Fuji Electric	Panasonic		
● JTJ020B□		2	7mm	被覆付	PYFZ-08	TP58X1	—	7A	50 pcs
● JTJ030B□		3			PYFZ-14	TP514X1	—		50 pcs

※ □ part of Product Name is filled with the symbols for coating colors as B (Black), Y (Amber).

Between Sockets

●Materials: Brass ●Surface treatment: Nickel plating ●Insulating Film: Vinyl chloride

Product Name	Terminal shape	Poles	Terminal-Pitch	Type	Applicable Sockets			Max. Current-ratings	Q'ty per 1
					Omron	Fuji Electric	Panasonic		Pckage
● JTJ023B□		2	19.4mm	With Coating (bending)	P2RF-05、P2RF-08	—	—	20A	10 pcs
● JTJ033B□		3							10 pcs
● JTJ043B□		4							10 pcs
● JTJ083B□		8							10 pcs
● JTJ025B□		2	22mm		PYFZ-08	TP58X1	AP3821		10 pcs
● JTJ035B□		3							10 pcs
● JTJ045B□		4							10 pcs
● JTJ085B□		8							10 pcs
● JTJ026B□		2	29mm		PYFZ-14	TP514X1	—		10 pcs
● JTJ036B□		3							10 pcs
● JTJ046B□		4							10 pcs
● JTJ086B□		8							10 pcs

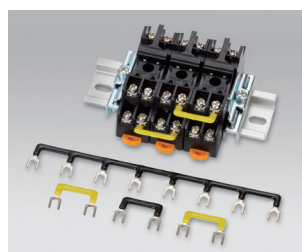
※ □ part of Product Name is filled with the symbols for coating colors as B (Black), Y (Amber).



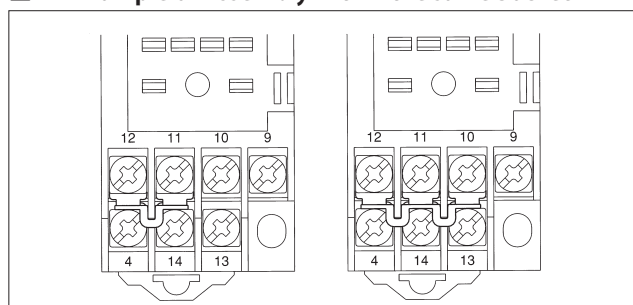
JTJ030BB



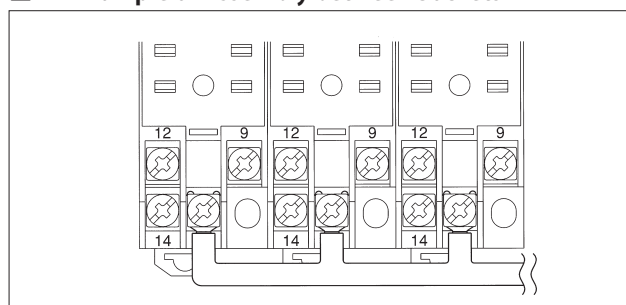
JTJ023BB



■ An Example of Assembly within the same Socket



■ An Example of Assembly between Sockets



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Terminal Block Accessories

Short Bar
For Relay Socket,
Control Unit

For Relay Socket, Control Unit

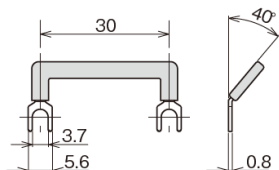
JTJ028BB



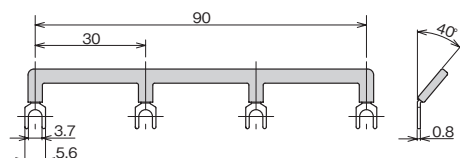
Product Name	Coating Color	Poles	pitch	Applicable Sockets		Mas. Current-ratings	Q'ty per 1 Pckage
				Panasonic	IDEC		
● JTJ028BB	Black	2	30mm	AP3837K	SY4S-05B	20A	10 pcs
● JTJ0284BB		4	60mm	AP3848K	SM2S-05B		10 pcs
● JTJ038BB		2					10 pcs
● JTJ0384BB		4					10 pcs
● JTJ037BB		2	50mm	—	—		10 pcs
● JTJ0374BB		4					10 pcs

■ Appearance diagram (Unit : mm) ●Materials:Brass ●Surface treatment:Nickel plating ●Insulating Film:Vinyl chloride

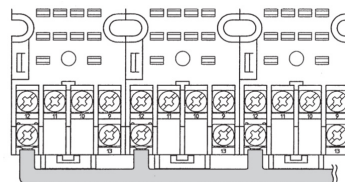
JTJ028BB



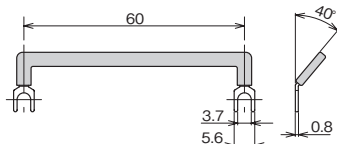
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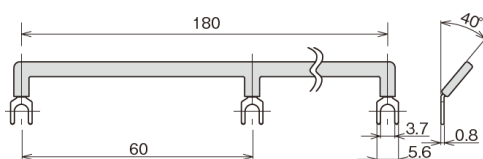
An Example of Mounting



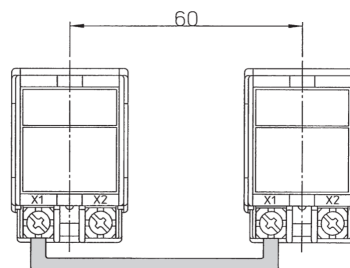
JTJ038BB



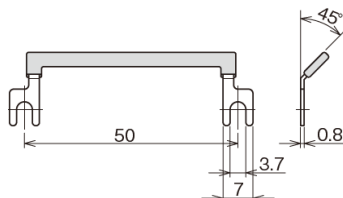
JTJ0384BB



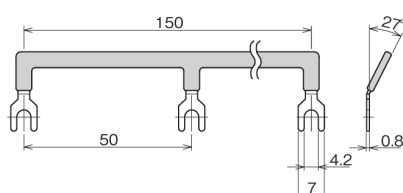
An Example of Mounting



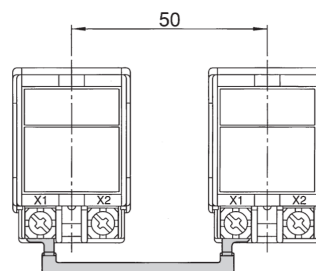
JTJ037BB



JTJ0374BB



An Example of Mounting



* They are also useful for a conneting bar between pilot lamps.

Terminal Block Accessories

Short Bar for Remote-controlled Relay

For Remote-controlled Relay

Power Supply Side

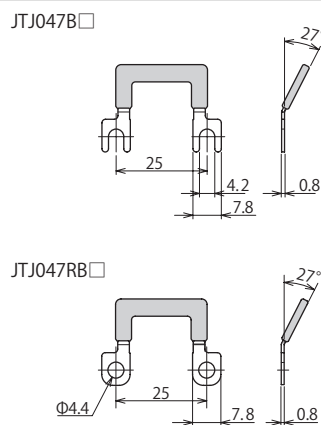
Product Name	Color of Coating	Poles	Pitch	Applicable Remote-controlled Relays		Current-ratings	Q'ty per 1 Pckage
				Panasonic	Mitsubishi Electric		
● JTJ047B□	Black, Red,	2	25mm	WR6165	BR-12D, BR-22D	20A	10 pcs
● JTJ047RB□	White			WR6166	BR-121D, BR-221D		10 pcs

※ □ part of Product Name is filled with the symbols for coating colors as B (Black), Y (Amber), W(White).

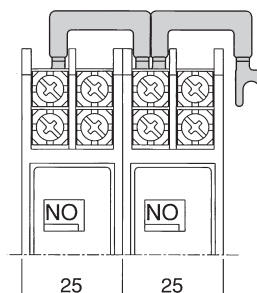
■ Appearance diagram (Unit : mm)

- Materials: Copper ● Surface treatment: Nickel plating
- Insulating Film: Vinyl chloride

JTJ047RBR



An Example of Mounting



Operating Circuit Side

Product Name	Color of Coating	Poles	Pitch	Applicable Remote-controlled Relays		Current-ratings	Q'ty per 1 Pckage
				Panasonic	Mitsubishi Electric		
● JTJ027B□	Black, Blue, Amber	2	25mm	WR6165	BR-12D, BR-22D	20A	10 pcs
● JTJ0274B□	Black, Blue	4		WR6166	BR-121D, BR-221D		10 pcs

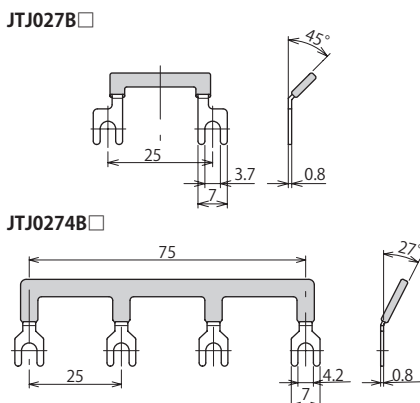
※ □ part of Product Name is filled with the symbols for coating colors as B (Black), S (Blue), Y (Amber).

※ For JTJ0274B, the colors are Black and Blue only.

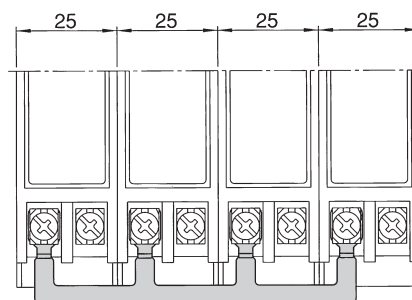
■ Appearance diagram (Unit : mm)

- Materials: Brass ● Surface treatment: Nickel plating
- Insulating Film: Vinyl chloride

JTJ027BB



An Example of Mounting



●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.

Rail Cutter



Product Name	Applicable Rail		Rough weight
	Rail Product Name	Rail Figure	
● JARC500JX	JXDA, JXDB, JXDC, JXDD		7.5kg
● JARC500TX	TXDA2		
● JARC500TR	TRDA2		

Note: These products are solely for aluminum rails. Be sure not cut steel rails. Dices may be seriously damaged.

■ Accessory (An Option)

Description	Product Name	Remarks
Aluminum Scale (50cm Scale)	● JARC5CL	With Mounting Board, and Fixation Screws 2pcs.

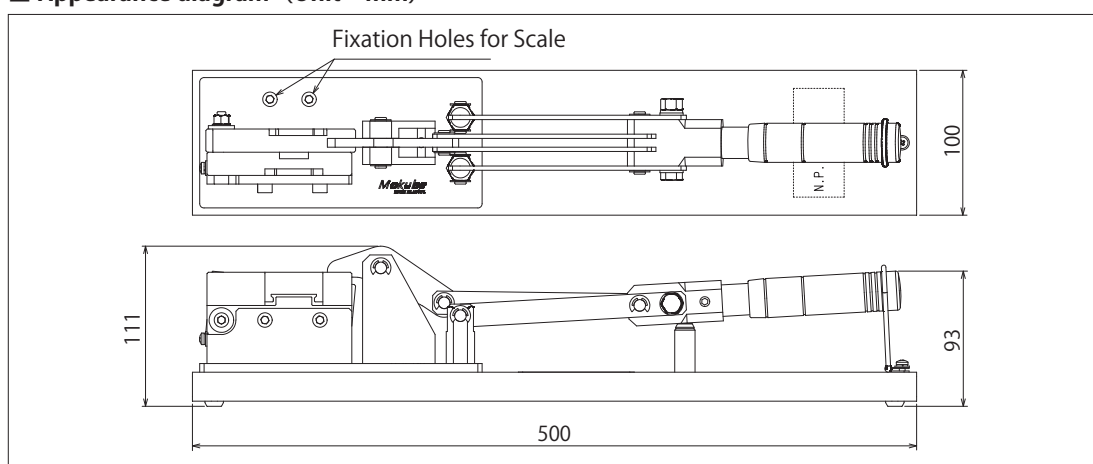


■ JARC500 Repair Parts

Description	Applicable Rail	Product Name
Replacement Dice	JXDA, JXDB, JXDC, JXDD	● JJX500
	TXDA2	● JTX500
	TRDA2	● JTR500

Fixation Holes for Scale

■ Appearance diagram (Unit : mm)



Terminal Screw

● Terminal Screw (For Repair)

Applicable terminal blocks (Basic type name)	Terminal screw Product Name	Lot for sales
T10	● T10TANSHINEJI	100 pcs
T20C	T20TANSHINEJI	100 pcs
T30C	T30TANSHINEJI	20 pcs
TC60C	● TC60TANSHINEJI	20 pcs
TC100C	● TC100TANSHINEJI	1 pc
TC200C	TC200TANSHINEJI	1 pc
TEN7	TEN7TANSHINEJI	100 pcs

Applicable terminal blocks (Basic type name)	Terminal screw Product Name	Lot for sales
TEN8	TEN8TANSHINEJI	100 pcs
TL15	TL15TANSHINEJI	100 pcs
TL25	TL25TANSHINEJI	100 pcs
TL35	TL35TANSHINEJI	20 pcs
TX10SM3/TT10SK/ TTG203	TR10STANSHINEJI	100 pcs
TX7	TX7TANSHINEJI	100 pcs
TX10S/TT10SKM35/ TTG2035	TX10STANSHINEJI	100 pcs

Applicable terminal blocks (Basic type name)	Terminal screw Product Name	Lot for sales
TX10	TX10TANSHINEJI	100 pcs
TX20/TT20K/TTG40	TX20TANSHINEJI	100 pcs
TX30/TX50	● TX30TANSHINEJI	20 pcs
TX60	TX60TANSHINEJI	20 pcs
TX100	TX100TANSHINEJI	1 pc
TX200/TX300	TX200TANSHINEJI	1 pc

●...Standard Stock Item (as of October 2025) Those except standard stock items are produced after the receipt of order.