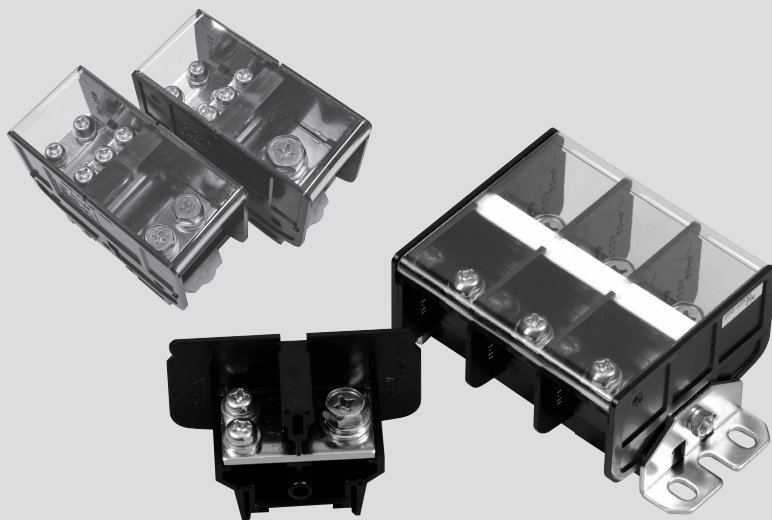




SCREW TYPE BRANCH TERMINAL BLOCK

TX-□DF TYPE

Eliminating labor of branching results in greater efficiency of wiring work.
Contribution to power supply branching space saving



FEATURES

- The TX-□DF type enables branching of up to 4 lines with a single unit. TX-150MDF enables branching of up to 5 lines with a single unit.
- Providing the same basic performance as that of the TX type terminal block, this terminal block is applicable to either rail mounting or shaft mounting (TXS-□DF), according to the purpose of use. (The shaft mounting model can be mounted by fastening the unit at 2 points or 4 points). (Only TX-□DF is applicable.)
- According to intended use environment, stainless steel screw model is also available in the product lineup. (Only TX-□DF is applicable.)
- A cross recess is provided at the bolt head, enabling temporary fastening with a screwdriver.
- Enables quick DIN rail mounting and removal. (TX-60DF is not applicable.)
- Stainless steel screw specifications are also available.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Type Specification	TX-60DF		TX-150DF		TX-150MDF15		TX-150MDF25	
	Primary side	Secondary side	Primary side	Secondary side	Primary side	Secondary side	Primary side	Secondary side
Rated insulation voltage (UI)	600V							
Rated current-carrying capacity (Ith)	175A		310A		310A	80A	155A	80A
Rated cross-section	60mm ² (M8)	14mm ² (M6)	150mm ² (M10)	38mm ² (M8)	150mm ² (M10)	22mm ² (M6)	60mm ² (M8)	22mm ² (M6)
Screw size	M8×16 (1 pcs.)	M6×12 (2 pcs.)	M10×25 (1 pcs.)	M8×16 (2 pcs.)	M10×25 (1 pcs.)	M6×12 (5 pcs.)	M8×16 (2 pcs.)	M6×12 (5 pcs.)
Number of conductors simultaneously connectable	Please refer to page C48				2	1	2	1
Power-Frequency withstand voltage	2,500V AC / 1min.							
Rated impulse withstand voltage	±7.2kV / 3 times for each pole (1.2 / 50 μs)				±7.4kV / 3 times for each pole (1.2 / 50 μs)			
Ambient operating temperature	-25 to 50°C							
Storing temperature	-40 to 85°C							
Altitude	2,000 m or less							

* Please refer to the accessory (page C48) for the dimensions of crimp terminals.

* For small crimp terminals, TX-150DF and TXS-150DF of secondary side can connect up to a maximum wire size of 38mm².

How to order

TX - 60DF **SUS** × **10** **XD - 17** **MR**

① ② ③ ④ ⑤

(blank) standard
MR* tropical region type
*applicable models only

● Information of tropical region type
Screw Stainless steel
Rail Varnish coated
End clamp Thick plated
Tropical region type nameplate (attached to end plate)
MOISTURE RESISTANCE

No.	Item	Code	Description	Remarks
①	Basic type	TX-□DF	□ : Applicable wire size	1 terminal → 2 terminal branch type (Rail assembly)
		TXS-□DF		1 terminal → 2 terminal branch type (Shaft assembly)
②	Screw type	No code	Iron screw	
		SUS	Stainless steel screw	
③	No. of poles	1 to max.	TX-60DF	1 to 19
			TX-150DF	1 to 12
			TXS-60DF	1 to 9
			TXS-150DF	1 to 6
④	Rail	XD	TXB-D rail type	Punched rail (Recommended maximum length : 600mm)
		XF	TXB-F rail type	U-cut rail (Recommended maximum length : 600mm)
		(blank)		Not specified for shaft-mounting model only.
⑤	Tropical region type	(blank)		Standard
		MR	Tropical region type	Special model

* For purchase of a single unit, specify ① and ② only.
But, TXS-□DF is not selectable.

* For configurations that include both TX-□DF and TX-□MDF,
be sure to clearly indicate their placement on drawings.

TX - 150MDF **15** × **3** **XD - 9**

① ② ③ ④

No.	Item	Code	Description	Remarks
①	Basic type	TX-150MDF	TX-150MDF	—
②	Branch structure	15		1 terminal → 5 terminal branch type
		25		2 terminal → 5 terminal branch type
③	No. of poles	1 to max.	1 to 4	—
④	Rail	XD	TXB-D rail type	Punched rail * UD rail not available.

* For purchase of a single unit, specify ① and ② only.

* For configurations that include both TX-□DF and TX-□MDF,
be sure to clearly indicate their placement on drawings.



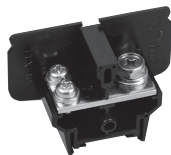
SCREW TYPE BRANCH TERMINAL BLOCK

TX-□DF TYPE

STANDARD PRODUCTS

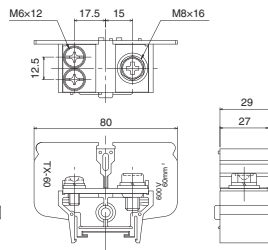
TX-60DF (175A)

Applicable wire size Primary side 38 to 60 mm² (M8), Secondary side 5.5 to 14 mm² (M6)



●Applicable accessories

End plate	TXE-38
Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	TUC-40 1M



* Please refer to the accessory (page C48) for the dimensions of crimp terminals.

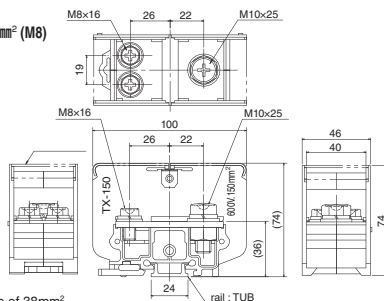
TX-150DF (310A)

Applicable wire size Primary side 100 to 150 mm² (M10), Secondary side 8 to 22 mm² (M8)



●Applicable accessories

Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-150



* For small crimp terminals, secondary side can connect up to a maximum wire size of 38mm².

* Please refer to the accessory (page C48) for the dimensions of crimp terminals.

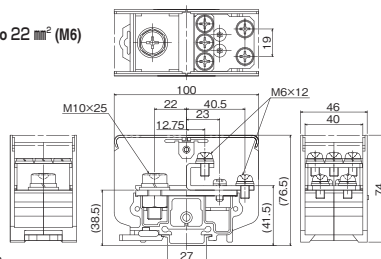
TX-150MDF15 (Primary side : 310A) (Secondary side : 80A)

Applicable wire size Primary side 100 to 150 mm² (M10), Secondary side 5.5 to 22 mm² (M6)



●Applicable accessories

Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-150



* Please refer to the accessory (page C48) for the dimensions of crimp terminals.

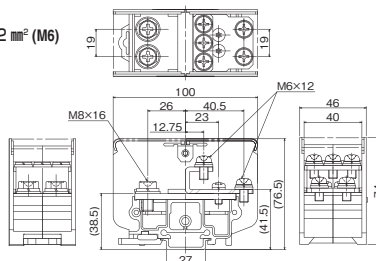
TX-150MDF25 (Primary side : 155A) (Secondary side : 80A)

Applicable wire size Primary side 38 to 60 mm² (M8), Secondary side 5.5 to 22 mm² (M6)



●Applicable accessories

Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-150

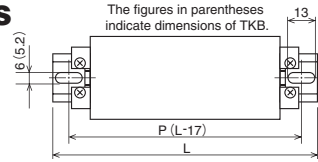


* Please refer to the accessory (page C48) for the dimensions of crimp terminals.

TABLE OF ASSEMBLED DIMENSIONS

TX type assembly
on punched rail

TXB-D type



Type	TX-60DF			TX-150DF			TX-150MDF15, TX-150MDF25			Type
Pole	P	L	Rail	P	L	Rail	P	L	Rail	Pole
1	60	77	XD-4	80	97	XD-5	80	97	XD-5	1
2	100	117	XD-6	120	137	XD-7	120	137	XD-7	2
3	120	137	XD-7	160	177	XD-9	160	177	XD-9	3
4	140	157	XD-8	200	217	XD-11	200	217	XD-11	4
5	180	197	XD-10	260	277	XD-14				5
6	200	217	XD-11	300	317	XD-16				6
7	240	257	XD-13	340	357	XD-18				7
8	260	277	XD-14	400	417	XD-21				8
9	300	317	XD-16	440	457	XD-23				9
10	320	337	XD-17	480	497	XD-25				10
11	360	377	XD-19	540	557	XD-28				11
12	380	397	XD-20	580	597	XD-30				12
13	400	417	XD-21							13
14	440	457	XD-23							14
15	460	477	XD-24							15
16	500	517	XD-26							16
17	520	537	XD-27							17
18	560	577	XD-29							18
19	580	597	XD-30							19
20										20

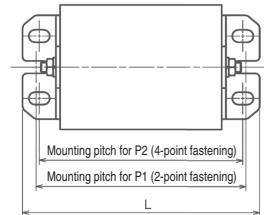
* Rail designation is XD-pole for TXB-D type.

* Rail designation is KD-pole for TKB-D type.

TX type with shaft

TXS type

Type	TXS-60DF			TXS-150DF			Type
Pole	P1	P2	L	P1	P2	L	Pole
2	88	84	100	116	112	128	2
3	117	113	129	162	158	174	3
4	146	142	158	208	204	220	4
5	175	171	187	254	250	266	5
6	204	200	216	300	296	312	6
7	233	229	245	-	-	-	7
8	262	258	274	-	-	-	8
9	291	287	303	-	-	-	9





SCREW TYPE BRANCH TERMINAL BLOCK

TX-□DF TYPE

ACCESSORIES

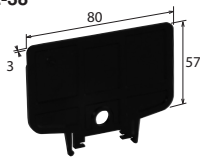
LIST OF APPLICABLE ACCESSORIES

Accessory Type	End plate	Marker strip		Marker strip case	Aluminum rail		End clamp		Cover
		Applicable	Semi-applicable		Applicable	Semi-applicable	Applicable	Semi-applicable	
TX-60DF	TXE-38	TUM-2	—	TUM marker strip case 10	TXB	TKB TUB	TXL	TJL TUL-W	TUC-40 TUC-40-V0
TX-150DF	—								TXC-150 TXC-150-V0
TX-150MDF15	—								
TX-150MDF25	—								

End plate

(Order unit: 100)

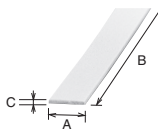
●TXE-38



Marker strip

(Order unit: 100)

●TUM-2 (TUM marker strip 10A ABS)



Type name	TUM-2* (TUM marker strip 10A ABS)
A	10
B	900
C	1.0

* Plate thickness $t \approx 0.5$ mm specification is available.
Type: TUM-2 0.5T (TUM marker strip 10ABS 0.5)

Marker strip case

(Order unit: 100)

●TUM Marker case 10

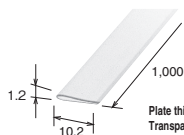
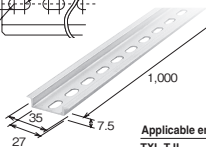
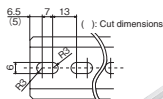


Plate thickness: $t = 0.3$ mm
Transparent case

Aluminum rail

●TXB (DIN rail)

(Order unit: 50)



Applicable end clamp
TXL, TJL

●TKB (reinforced DIN rail)

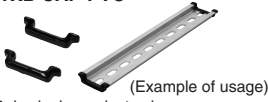
(Order unit: 20)



Rail cap

(Order unit: 100)

●Cap for DIN rail TXB CAP-PVC



* Only single product sale.

●Cap for DIN rail (High-strength type) TKB CAP-PVC



●Cap for Fuji exclusive rail TUB CAP-PVC



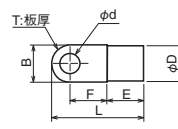
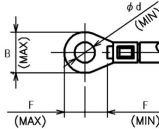
crimp terminals

The following tables show reference dimensions of crimp terminals.

TX-□DF

●Primary side * With insulating cover

Type	Terminal screw size	Wire size	ϕd (MIN)	B (MAX)	F (MAX)	F (MIN)
TX-60DF	M8×16	60mm ²	8.1	26.9	13.5	11.1
TX-150DF	M10×25	150mm ²	10.1	39.9	21.8	14.6



●Secondary side (Equivalent of NICHIFU products) * With insulating cover

Type	Terminal screw size	Wire size	φd	B	L	F	E	φD	T	(Reference) Applicable model	Attachment propriety			
											Up side	Down side		
TX-60DF	M6×12	5.5mm ²	6.4	12	23	10.5	6.5	5.6	-	R5-5-6	○	○		
		8mm ²		10	22.5	9.1	8.4	7.1	-	R8-6S	○	×		
				12	23.5				-	R8-6	○	×		
		14mm ²		10	26.5	11.5	10	9	-	R14-6S	○	○		
				12	27.5				-	R14-6	○	○		
				16	32.5				14.5	-	R14-6L	×	×	
TX-150DF	M8×16		8mm ²	8.4	15				29.5	13.6	8.4	7.1	-	R8-8
		14mm ²	12		27.5	11.5	10	9	-	R14-8S	○	×		
			16		32.5	14.5			-	R14-8	○	○		
		22mm ²	11.8		31.4	13.5	12	11.6	-	R22-8S	○	○		
			16.5		33.3	13.05			-	R22-8	○	○		
			15.3		39	18.35			13	13.4	-	R38-8S	○	○
			22		42.3	18.3					-	R38-8	×	×

TX-150MDF□

●Primary side (Equivalent of Japan Solderless Terminal products) * With insulating cover

Type	Terminal screw size	Wire size	ϕd	B	L	F	E	ϕD	T	(Reference) Applicable model
TX-150MDF15	M10×25	150mm ²	10.5	36	66	21	27	26.5	3.2	R 150-10 150-10
						23				
TX-150MDF25 ¹⁾	M8×16	38mm ²	8.4	15.5	38	16	14	13.3	1.8	38-S8
		60mm ²		16	46.7	20.7	18	15.5	2	60-S8

●Secondary side (Equivalent of Japan Solderless Terminal products) * Insulation sheath need not be attached.

Type	Terminal screw size	Wire size	ϕd	B	L	F	E	ϕD	T	(Reference) Applicable model
TX-150MDF15 ¹⁾	M6×12	22mm ²	6.4	12	30	12	12	11.5	1.8	22-S6
TX-150MDF25 ¹⁾										

¹⁾ For connections, use crimp terminals that do not exceed the above specified dimensions.