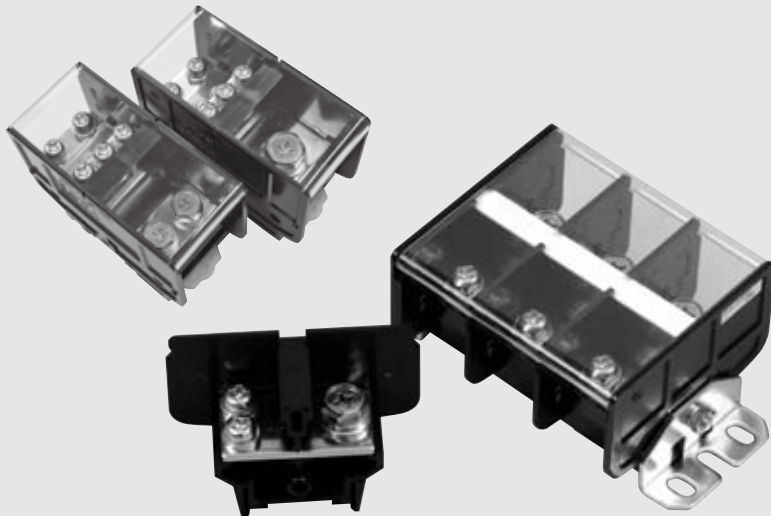




TX-□DF TYPE

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.)

SPECIFICATIONS (RATINGS, PERFORMANCE)

Type	TX-60DF		TX-150DF		TX-150MDF15		TX-150MDF25	
Specification	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
Max. wire size	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	M8X16 (1 pcs.)	M6X12 (2 pcs.)	M10X25 (1 pcs.)	M8X16 (2 pcs.)	M10X25 (1 pcs.)	M6X12 (5 pcs.)	M8X16 (2 pcs.)	M6X12 (5 pcs.)
Withstand voltage	2,500V AC / 1min.							
Lightning impulse	±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 for the dimensions of crimp terminals.

How to order

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

① ② ③ ④ ⑤

Assembly dimensions

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	Max. pole No. is less than 600mm of rail length. (In case over 600mm, max. pole No. is less than 1,000mm of reinforced rail (TKB-D).)
			TX-150DF	
			TXS-60DF	
			TXS-150DF	
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.

TX - 150MDF **15** × **3** **XD - 9**

① ② ③ ④ ⑤

Assembly dimensions

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

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



TX-□DF TYPE

STANDARD PRODUCTS

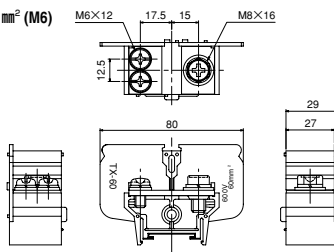
TX-60DF (175A)

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



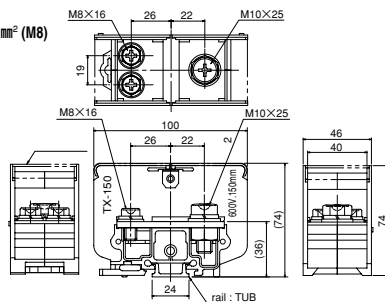
TX-150DF (310A)

Applicable wire size Primary side 100 to 150 mm² (M10), Secondary side 8 to 38 mm² (M8)



●Applicable accessories

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



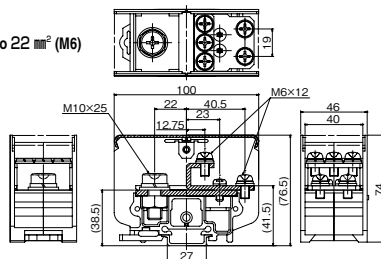
TX-150MDF15 (Primary side : 310A) (Secondary side : 80A)

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



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

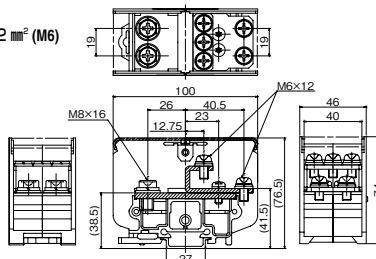
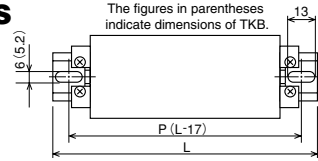


TABLE OF ASSEMBLED DIMENSIONS

TX type assembly on punched rail

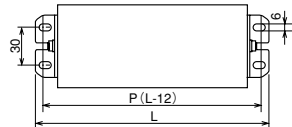
TXB-D type



Type Pole	TX-60DF			TX-150DF			TX-150MDF15, TX-150MDF25			Type Pole
	P	L	Rail	P	L	Rail	P	L	Rail	
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

TX type with shaft

TXS type



Type Pole	TXS-60DF		TXS-150DF		Type Pole
	P	L	P	L	
2	88	100	116	128	2
3	117	129	162	174	3
4	146	158	208	220	4
5	175	187	254	266	5
6	204	216	300	312	6
7	233	245			7
8	262	274			8
9	291	303			9
10					10

A SWITCH

B PILOT LAMP &
INDICATOR

C CONNECTING
DEVICES

D ELECTRONIC
DEVICES

E CONTROL
CENTER PARTS



TX-□DF TYPE

ACCESSORIES

LIST OF APPLICABLE ACCESSORIES

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

End plate

(Order unit: 100)

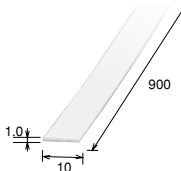
●TXE-38



Marker strip

(Order unit: 100)

●TUM-2



Marker strip case

(Order unit: 100)

●TUM Marker case 10

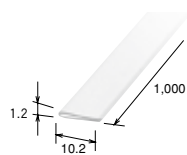
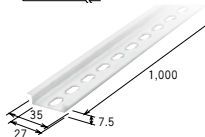
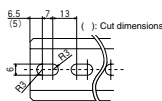


Plate thickness: t = 0.3mm
Transparent case

Aluminum rail

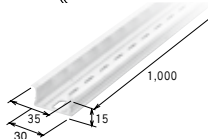
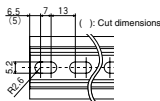
(Order unit: 50)

●TXB (DIN rail)



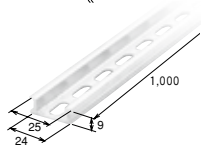
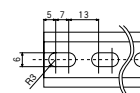
Applicable end clamp
TXL, TJL

●TKB (reinforced DIN rail)



Applicable end clamp
TXL, TJL

●TUB

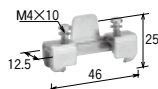


Applicable end clamp
TUL-W

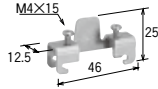
End clamp

(Order unit: 50)

●TXL



●TJL



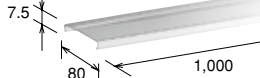
●TUL-W



Cover

(Order unit: 20)

●TUC-40 1M



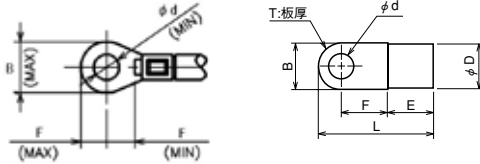
*The end "V0" is a flame retardant grade UL94V-0 specification product.

Rail cap

Please refer to the page C15 for the rail cap.

crimp terminals

The following tables show reference dimensions of crimp terminals.



TX-□DF

●Primary side * With insulating cover

Type	Terminal screw size	Wire size	ϕ d (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	φ d	B	L	F	E	φ D	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
		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	○	○
		38mm ²	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	ϕ d	B	L	F	E	ϕ D	T	(Reference) Applicable model
TX-150MDF15	M10×25	150mm ²	10.5	36	66	21	27	26.5	3.2	R 150-10
						23				150-10
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	ϕ d	B	L	F	E	ϕ D	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.