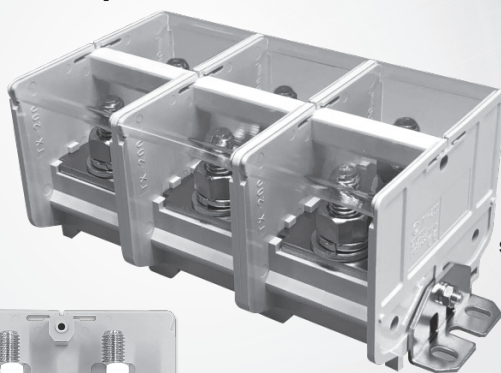




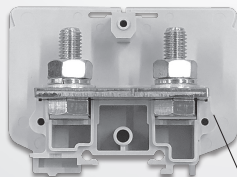
STUD ALUMINUM TERMINAL BLOCK

TX-GA TYPE

**Light-weight model using aluminum alloy
for conductive parts.**



Shaft assembly (TXS-GA)



Aluminum alloy

FEATURES

Weight reduction

The terminal portion is made of an aluminum alloy, resulting in a weight reduction of about 10% to 25% compared to our TX type.

Identification

The unit is white in color, making it easy to distinguish it from conventional black terminal blocks at a glance.

Variations

In addition to the screw-up and self-up types, a stud type has been newly added. High-torque tightening is possible.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Item		TX-60LGA	TX-100GA	TX-150GA	TX-150KGA	TX-200GA	TX-200GAL	TX-325GA
Rating	Rated insulation voltage (UI)	600V						
	Rated current-carrying capacity (Ith)	175A	240A	310A	310A	370A	370A	575A
	Connecting capacity	14 to 60mm ²	60 to 100mm ²	100 to 150mm ²	100 to 150mm ²	150 to 200mm ²	150 to 200mm ²	150 to 400mm ²
Performance	Screw size	M8×30	M10×30	M10×30	M12×40	M12×35	M12×40	M16×45
	Number of conductors simultaneously connectable	2						
	Recommended tightening torque	8.9 to 15.0N·m	18.0 to 30.0N·m	18.0 to 30.0N·m	18.0 to 30.0N·m	31.5 to 55.0N·m	31.5 to 55.0N·m	25.0 to 98.0N·m
	Power-Frequency withstand voltage	2,500V AC / 1min.						
Standard operating condition	Rated impulse withstand voltage	7.4kV / 5 times for each pole (1.2 / 50μs)						
	Ambient operating temperature	-25°C to 50°C						

HOW TO ORDER

① In case of shaft assembly

TXS - 60LGA × 3

② In case of rail assembly

TX - 60LGA × 3 XF - 300

No.	Item	Code	Description	Remark
①	Basic type	TX-60LGA	Rated cross-section (mm ²)	60 Unit thickness: 29mm
		TXS-60LGA		
		TX-100GA		100 Unit thickness: 38mm
		TXS-100GA		
		TX-150GA		150 Unit thickness: 46mm
		TXS-150GA		
		TX-150KGA		
		TXS-150KGA		
②	No. of poles	TX-200GA	200	Unit thickness: 57mm
		TXS-200GA		
		TX-200GAL		
		TXS-200GAL		
		TXS-325GA	200: Copper conductor 325: Aluminum	Unit thickness: 65mm
		TX-60LGA	1 to 19P	Maximum number of units is designed by maximum rail length 600mm. * TX-200GA and TX-200GAL can be assembled with up to 10 poles if XF rails are requested.
		TX-100GA	1 to 15P	
		TX-150GA	1 to 12P	
		TX-150KGA	1 to 12P	
		TX-200GA	1 to 9P (10P)	
		TX-200GAL	1 to 9P (10P)	
		TXS-60LGA	1 to 20P	The basic model for shaft mounting method is identified as TXS-□GA. * TXS-325GA is intended for the shaft mounting method only.
		TXS-100GA	1 to 14P	
		TXS-150GA	1 to 12P	
		TXS-150KGA	1 to 12P	
		TXS-200GA	1 to 9P	
		TXS-200GAL	1 to 9P	
③	Rail designation	TXS-325GA	1 to 6P	
		XD	TXB-D rail type	Punched rail (DIN rail) (Recommended maximum length: 600mm)
		XF	TXB-F rail type	U-cut rail (DIN rail) (Recommended maximum length: 600mm)
		UD	TUB-D rail type	Punched rail (Recommended maximum length: 600mm)
		UF	TUB-F rail type	U-cut rail (Recommended maximum length: 600mm)
		KD	TKB-D rail type	Reinforced punched rail (DIN rail) (Recommended maximum length: 1,000mm)

In case of shaft assembly, basic type will be 「TXS-□GA」.



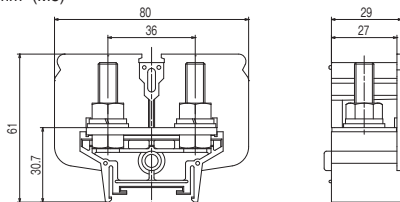
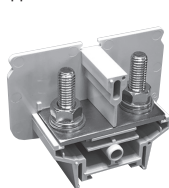
STUD ALUMINUM TERMINAL BLOCK

TX-GA TYPE

DIMENSIONS (EXAMPLE) (mm)

TX-60LGA (175A)

Applicable wire size : 14 to 60mm² (M8)

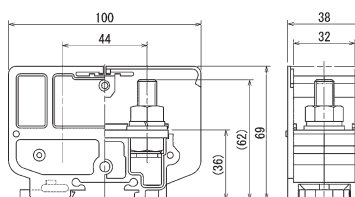
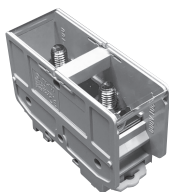


●Applicable accessories

End plate	TXE-60S W
Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	TUC-40 1M

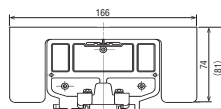
TX-100GA (240A)

Applicable wire size : 60 to 100mm² (M10)



●Applicable accessories

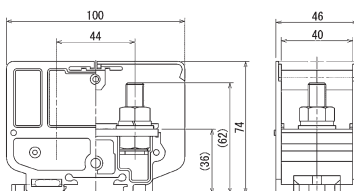
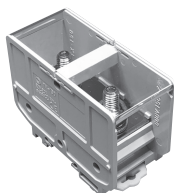
Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-100 TXC-100 CV-L (Sold separately)



(For protection up to crimp terminal)

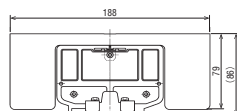
TX-150GA (310A)

Applicable wire size : 100 to 150mm² (M10)



●Applicable accessories

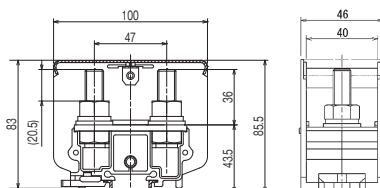
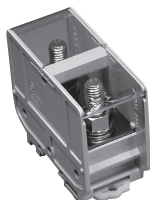
Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-150 TXC-150 CV-L (Sold separately)



(For protection up to crimp terminal)

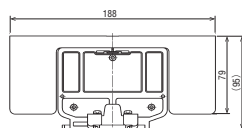
TX-150KGA (310A)

Applicable wire size : 100 to 150mm² (M12)



●Applicable accessories

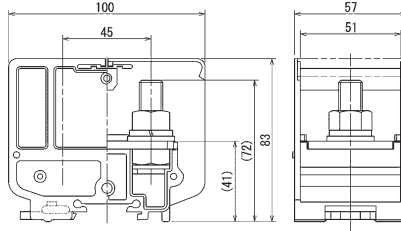
Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-150 TXC-150 CV-L (Sold separately)



(For protection up to crimp terminal)

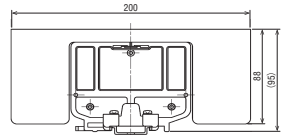
TX-200GA (370A)

Applicable wire size : 150 to 200mm² (M12)



●Applicable accessories

Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-200 TXC-200 CV-L (Sold separately)

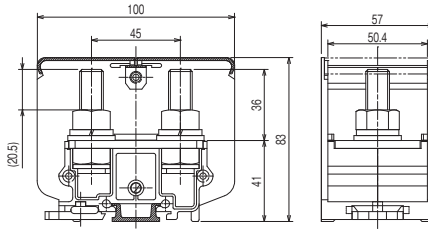
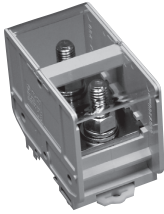


(For protection up to crimp terminal)

*250mm² copper conductors can be used with thin crimp terminals (special).

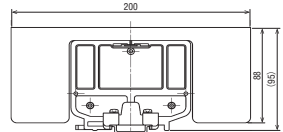
TX-200GAL (370A)

Applicable wire size : 150 to 200mm² (M12)



●Applicable accessories

Standard marker strip	TUM-2
Standard rail	TXB
End clamp	TXL
Cover	With TXC-200 TXC-200 CV-L (Sold separately)



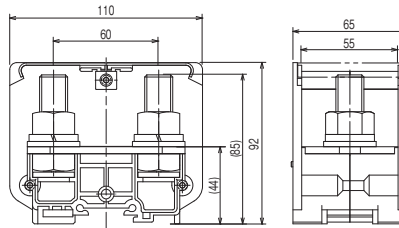
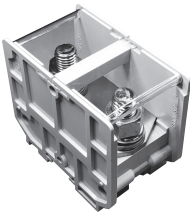
(For protection up to crimp terminal)

*250mm² copper conductors can be used with thin crimp terminals (special).

TX-325GA (575A)

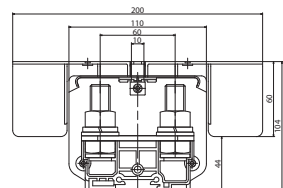
Applicable wire size : 150 to 400mm² (M16)

* TXS-325GA is intended for the shaft mounting method only.



●Applicable accessories

Standard marker strip	TUM-2
Cover	With TXC-325 TXC-325 CV-L (Sold separately)



(For protection up to crimp terminal)



STUD ALUMINUM TERMINAL BLOCK

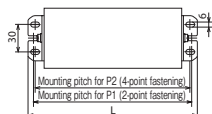
TX-GA TYPE

TABLE OF ASSEMBLED DIMENSIONS

■TXS type

TX type with shaft

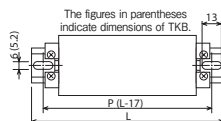
Type Pole	TXS-60LGA			TXS-100GA			TXS-150GA*TXS-150KGA			TXS-200GA*TXS-200GAL			TXS-325GA		
	P1	P2	L	P1	P2	L	P1	P2	L	P1	P2	L	P1	P2	L
1	60	56	72	62	58	74	70	66	82	81	77	93	89	85	101
2	89	85	101	100	96	112	116	112	128	138	134	150	154	150	166
3	118	114	130	138	134	150	162	158	174	195	191	207	219	215	231
4	147	143	159	176	172	188	208	204	220	252	248	264	284	280	296
5	176	172	188	214	210	226	254	250	266	309	305	321			
6	205	201	217	252	248	264	300	296	312	366	362	378			
7	234	230	246	290	286	302	346	342	358	423	419	435			
8	263	259	275	328	324	340	392	388	404	480	476	492			
9	292	288	304	366	362	378	438	434	450	537	533	549			
10	321	317	333	404	400	416	484	480	496						
11	350	346	362	442	438	454	530	526	542						
12	379	375	391	480	476	492	576	572	588						
13	408	404	420	518	514	530									
14	437	433	449	556	552	568									
15	466	462	478												
16	495	491	507												
17	524	520	536												
18	553	549	565												
19	582	578	594												
20	611	607	623												



■TXB-D type

TX type assembly on punched rail

Type Pole	TX-60LGA			TX-100GA			TX-150GA*TX-150KGA			TX-200GA*TX-200GAL		
	P	L	Rail	P	L	Rail	P	L	Rail	P	L	Rail
1	60	77	XD-4	60	77	XD-4	80	97	XD-5	80	97	XD-5
2	100	117	XD-6	100	117	XD-6	120	137	XD-7	140	157	XD-8
3	120	137	XD-7	140	157	XD-8	160	177	XD-9	200	217	XD-11
4	140	157	XD-8	180	197	XD-10	200	217	XD-11	260	277	XD-14
5	180	197	XD-10	220	237	XD-12	260	277	XD-14	320	337	XD-17
6	200	217	XD-11	260	277	XD-14	300	317	XD-16	360	377	XD-19
7	240	257	XD-13	300	317	XD-16	340	357	XD-18	420	437	XD-22
8	260	277	XD-14	340	357	XD-18	400	417	XD-21	480	497	XD-25
9	300	317	XD-16	360	377	XD-19	440	457	XD-23	540	557	XD-28
10	320	337	XD-17	400	417	XD-21	480	497	XD-25			
11	360	377	XD-19	440	457	XD-23	540	557	XD-28			
12	380	397	XD-20	480	497	XD-25	580	597	XD-30			
13	400	417	XD-21	520	537	XD-27						
14	440	457	XD-23	560	577	XD-29						
15	460	477	XD-24									
16	500	517	XD-26									
17	520	537	XD-27									
18	560	577	XD-29									
19	580	597	XD-30									



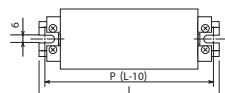
* Rail designation is XD-pole for TXB-D type.

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

■TXB-F type

TX type assembly on U-cut rail

Type Pole	TX-60LGA			TX-100GA			TX-150GA*TX-150KGA			TX-200GA*TX-200GAL		
	P	L	Rail	P	L	Rail	P	L	Rail	P	L	Rail
1	55	65	XF-65	60	70	XF-70	75	80	XF-80	80	90	XF-90
2	85	95	XF-95	100	110	XF-110	115	125	XF-125	135	145	XF-145
3	115	125	XF-125	135	145	XF-145	160	170	XF-170	195	205	XF-205
4	145	155	XF-155	175	185	XF-185	205	215	XF-215	250	260	XF-260
5	175	185	XF-185	210	220	XF-220	250	260	XF-260	305	315	XF-315
6	200	210	XF-210	250	260	XF-260	300	310	XF-310	365	375	XF-375
7	230	240	XF-240	290	300	XF-300	345	355	XF-355	420	430	XF-430
8	260	270	XF-270	325	335	XF-335	390	400	XF-400	480	490	XF-490
9	290	300	XF-300	365	375	XF-375	435	445	XF-445	535	545	XF-545
10	320	330	XF-330	400	410	XF-410	480	490	XF-490	590	600	XF-600
11	345	355	XF-355	440	450	XF-450	530	540	XF-540			
12	375	385	XF-385	480	490	XF-490	575	585	XF-585			
13	405	415	XF-415	515	525	XF-525						
14	435	445	XF-445	555	565	XF-565						
15	465	475	XF-475	590	600	XF-600						
16	490	500	XF-500									
17	520	530	XF-530									
18	550	560	XF-560									
19	580	590	XF-590									

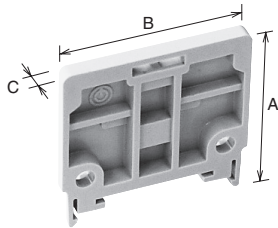


* Rail designation is XF-pole for TXB-F type.

ACCESSORIES

End plate

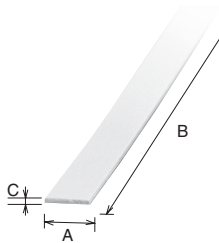
(Order unit: 100)



Type name	TXE-60 SW
A	62
B	80
C	3.5

Marker strip

(Order unit: 100)



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

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

Marker strip case

(Order unit: 100)

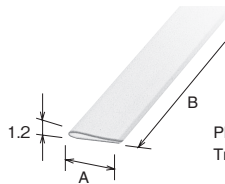


Plate thickness: $t = 0.3$ mm
Transparent case

Type name	TUM marker strip case 10
A	10.2
B	1,000



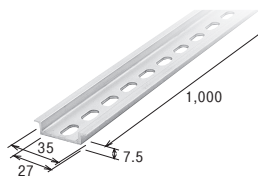
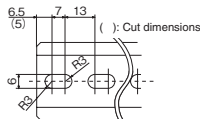
TX-GA TYPE

ACCESSORIES

Aluminum rail

●TXB (DIN rail)

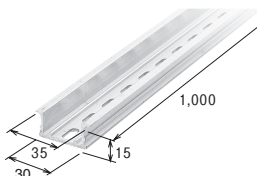
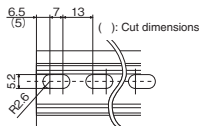
(Order unit: 50)



Applicable end clamp
TXL,TJL

●TKB (reinforced DIN rail)

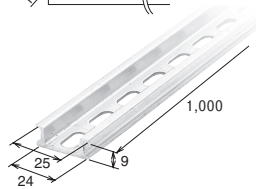
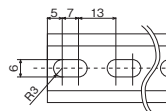
(Order unit: 20)



Applicable end clamp
TXL,TJL

●TUB (Fuji exclusive rail)

(Order unit: 50)

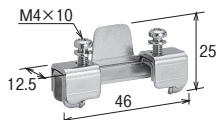


Applicable end clamp
TUL,TUL-W

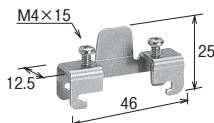
End clamp

(Order unit: 50)

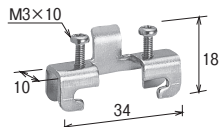
●TXL (for TXB)



●TJL (for TXB)



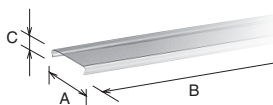
●TUL (For TUB)



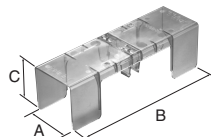
Cover

(Order unit: 20)

●TUC • TXC cover



●TXC-100CV-L cover
TXC-150CV-L cover
TXC-200CV-L cover
TXC-325CV-L cover



Type name	TUC-40 1M TUC-40 1M-V0	TXC-100 TXC-100-V0	TXC-150 TXC-150-V0	TXC-200 TXC-200-V0	TXC-325 TXC-325-V0	TXC-100CV-L ¹⁾	TXC-150CV-L ²⁾	TXC-200CV-L ³⁾	TXC-325CV-L ⁴⁾
A	80	100	100	100	100	37.3	45.3	56.3	62
B	1,000	34.8	42.8	53.8	59.5	166	188	200	200
C	7.5	8.1	8.1	8.1	8.1	74	79	88	60

* Please be careful not to pinch your fingers when attaching or removing the cover.

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

*1 Provides protection all the way to the crimp terminals of the TX-100GA. (Sold separately)

*2 Provides protection all the way to the crimp terminals of the TX-150GA and KGA. (Sold separately)

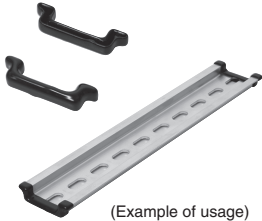
*3 Provides protection all the way to the crimp terminals of the TX-200GA and GAL. (Sold separately)

*4 Provides protection all the way to the crimp terminals of the TX-325GA. (Sold separately)

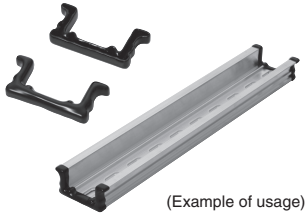
Rail cap

(Order unit: 100)

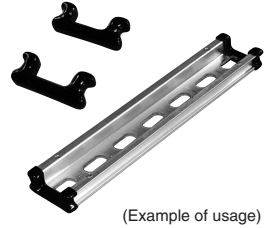
- Cap for DIN rail
TXB CAP-PVC



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



- Cap for Fuji exclusive rail
TUB CAP-PVC



* Only single product sale.



TX-GA TYPE

Instructions

■ Attention for use

- Please confirm contents mentioned in the specification and drawing before use.
- Please follow the rating and specifications not so as to damage the products.

■ Attentions for environment

- Please keep out of direct sunshine on the way of transportation or storage. Please store the products in normal condition.
- This product can be used in neither explosive nor oily atmospheres.
- Reagents shall be avoided from products.
Strong acid, strong alkali, heavy-metal salt solution, halogen compound (causing terminal corrosion), aromatic hydrocarbon (causing solution and/or swelling of resin) and halogen hydrocarbon (causing solution and/or swelling of resin) shall be prevented from products particularly.
- Please be careful of a noise or surge voltage from the surroundings.

■ Attentions for installation or wiring

- No abnormality such as breaking wire shall be checked before using.
- The drop of a product may cause damages in itself.
- Wrong wiring may cause unexpected failure, abnormal heat or fire.
- Install or uninstall of the products shall be done with no power supply.
- Appropriate electric wire size and solderless terminal shall be connected to the products.
- Please connect wires not so as to pull the terminals.
- Please install apart plural products at prescribed distance.
- Please use the appropriate insulation clad on solderless terminal.

■ Attentions for maintenance

- Please do not disassemble a product.
- Please exchange the damaged products promptly.