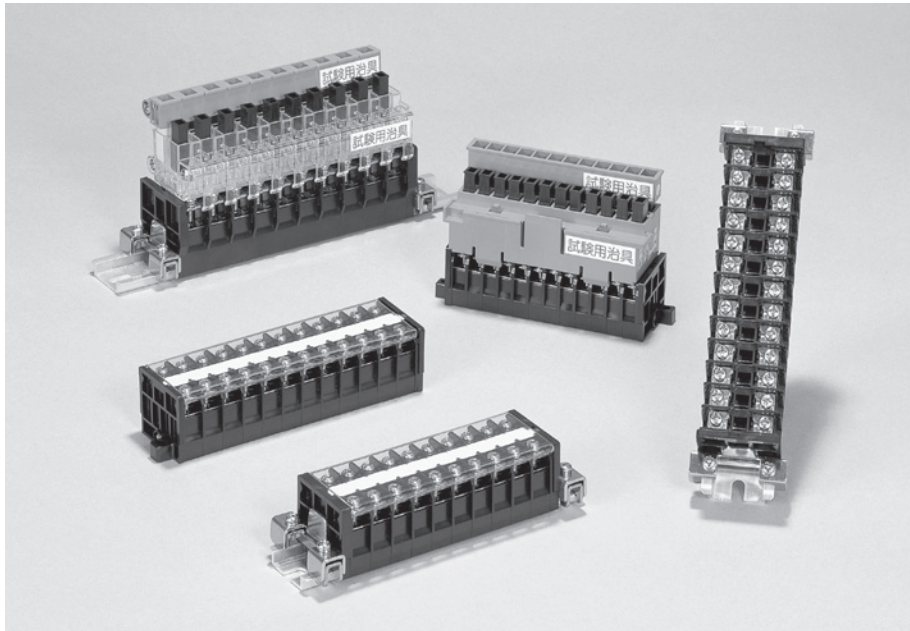




UP-SCREW TYPE TERMINAL BLOCK

TJ TYPE



FEATURES

- Withstand voltage test and sequence check can be easily conducted with testing tools.
- TJ type has the similar performance of TX type, and rail and shaft assembly can be selected.
- Engineering plastic (modified PPE) with high insulation performance is adopted as the unit material.
- Stainless steel screw specifications are also available. (Single item type : TX-□ SUS)

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification \ Type	TJ-2S	TJ-2	TJ-3.5	TJ-5.5	TJ-14SH	TJ-14	TJ-22
Rated insulation voltage (Ui)	800V						
Pollution degree 2							
Pollution degree 3	600V						
Rated current-carrying capacity (Ith)	15A	15A	20A	30A	30A	60A	80A
Rated cross-section	2mm ²	2mm ²	3.5mm ²	5.5mm ²	5.5mm ² / 14mm ² *1	14mm ²	22mm ²
Screw size	M3.5×7.5	M3.5×7.5	M4×8.5	M4×8.5	M4×8.5 / M5×11	M5×11	M6×14
Number of conductors simultaneously connectable	2						
Power-Frequency withstand voltage	3,000V AC / 1 min.						
Rated impulse withstand voltage	8kV						
Ambient operating temperature	-25 to 60°C						
Storing temperature	-40 to 85°C						
Altitude	2,000 m or less						
Flame retardant grade	Unit: UL94V-0						

*1 Out side line lead-in side.

* Insulation treatment suitable for the working voltage should be applied to the crimp terminal.

* Consider with ambient operating temperature, current-carrying capacity, wire size, please use the heat-resistant wires as necessary.

CONNECTING DEVICES

How to order

TJ - 2 SUS × 36 XD - 18 MR

①

②

③

④

⑤

(blank)	standard
MR*	tropical region type

*applicable models only

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

No.	Item	Code	Detail		Remark		
①	Basic type	TJ-2S	Applicable wire size (mm ²)	2	Rail assembly		
		TJ-2		2			
		TJ-3.5		3.5	Rail assembly	No tropical specification	
		TJ-5.5		5.5	Rail assembly		
		TJ-14		14			
		TJ-14SH		5.5 / 14			Out side line lead-in side
		TJ-22		22			
		TJX-2		2	Shaft assembly	Only for shaft assembly	
		TJX-5.5		5.5			
		TJX-14		14			
②	Screw type	(blank)	Iron screw				
		SUS	Stainless steel screw				
③	No. of poles	1 to max.	TJ-2S	1 to 69	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).)		
			TJ-2	1 to 64			
			TJ-3.5	1 to 55			
			TJ-5.5	1 to 50			
			TJ-14	1 to 39			
			TJ-14SH	1 to 39			
			TJ-22	1 to 27			
			TJX-2	1 to 12			
			TJX-5.5	1 to 12			
			TJX-14	1 to 6			
④	Rail	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)	
		(blank)			Not specified for shaft-mounting model only.		
⑤	Tropical region type	(blank)			Standard model		
		MR	Tropical region type		Special model (If you would like tropical region type, please indicate the stainless steel screw as well.)		

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

C60

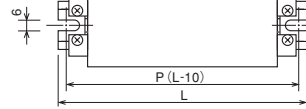


UP-SCREW TYPE TERMINAL BLOCK

TJ TYPE

TABLE OF ASSEMBLED DIMENSIONS

The figures in parentheses indicate dimensions of TXB.



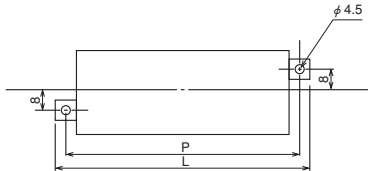
TJ type assembly on U-cut rail

TXB-F type

Type	TJ-2S			TJ-2			TJ-3.5			TJ-5.5			TJ-14SH			TJ-14			TJ-22			Type
Pole	P	L	Rail	P	L	Rail	P	L	Rail	P	L	Rail	P	L	Rail	P	L	Rail	P	L	Rail	Pole
1	45	55	XF-55	50	60	XF-60	45	55	XF-55	50	60	XF-60	50	60	XF-60	50	60	XF-60	55	65	XF-65	1
2	55	65	XF-65	55	65	XF-65	55	65	XF-65	60	70	XF-70	65	75	XF-75	65	75	XF-75	75	85	XF-85	2
3	60	70	XF-70	60	70	XF-70	65	75	XF-75	70	80	XF-80	80	90	XF-90	80	90	XF-90	95	105	XF-105	3
4	70	80	XF-80	70	80	XF-80	75	85	XF-85	80	90	XF-90	95	105	XF-105	95	105	XF-105	115	125	XF-125	4
5	75	85	XF-85	80	90	XF-90	85	95	XF-95	90	100	XF-100	105	115	XF-115	105	115	XF-115	135	145	XF-145	5
6	85	95	XF-95	85	95	XF-95	95	105	XF-105	105	115	XF-115	120	130	XF-130	120	130	XF-130	155	165	XF-165	6
7	95	105	XF-105	95	105	XF-105	105	115	XF-115	115	125	XF-125	135	145	XF-145	135	145	XF-145	175	185	XF-185	7
8	100	110	XF-110	105	115	XF-115	115	125	XF-125	125	135	XF-135	150	160	XF-160	150	160	XF-160	195	205	XF-205	8
9	110	120	XF-120	115	125	XF-125	125	135	XF-135	135	145	XF-145	165	175	XF-175	165	175	XF-175	215	225	XF-225	9
10	115	125	XF-125	120	130	XF-130	135	145	XF-145	145	155	XF-155	175	185	XF-185	175	185	XF-185	235	245	XF-245	10
11	125	135	XF-135	130	140	XF-140	145	155	XF-155	160	170	XF-170	190	200	XF-200	190	200	XF-200	255	265	XF-265	11
12	135	145	XF-145	135	145	XF-145	155	165	XF-165	170	180	XF-180	205	215	XF-215	205	215	XF-215	275	285	XF-285	12
13	140	150	XF-150	150	160	XF-160	165	175	XF-175	180	190	XF-190	220	230	XF-230	220	230	XF-230	295	305	XF-305	13
14	150	160	XF-160	155	165	XF-165	175	185	XF-185	190	200	XF-200	235	245	XF-245	235	245	XF-245	315	325	XF-325	14
15	155	165	XF-165	165	175	XF-175	185	195	XF-195	200	210	XF-210	245	255	XF-255	245	255	XF-255	335	345	XF-345	15
16	165	175	XF-175	170	180	XF-180	195	205	XF-205	215	225	XF-225	260	270	XF-270	260	270	XF-270	355	365	XF-365	16
17	175	185	XF-185	185	195	XF-195	205	215	XF-215	225	235	XF-235	275	285	XF-285	275	285	XF-285	375	385	XF-385	17
18	180	190	XF-190	190	200	XF-200	215	225	XF-225	235	245	XF-245	290	300	XF-300	290	300	XF-300	395	405	XF-405	18
19	190	200	XF-200	200	210	XF-210	225	235	XF-235	245	255	XF-255	305	315	XF-315	305	315	XF-315	415	425	XF-425	19
20	195	205	XF-205	205	215	XF-215	235	245	XF-245	255	265	XF-265	315	325	XF-325	315	325	XF-325	435	445	XF-445	20
21	205	215	XF-215	215	225	XF-225	245	255	XF-255	270	280	XF-280	330	340	XF-340	330	340	XF-340	455	465	XF-465	21
22	215	225	XF-225	225	235	XF-235	255	265	XF-265	280	290	XF-290	355	365	XF-365	355	365	XF-365	475	485	XF-485	22
23	220	230	XF-230	235	245	XF-245	265	275	XF-275	290	300	XF-300	360	370	XF-370	360	370	XF-370	495	505	XF-505	23
24	230	240	XF-240	245	255	XF-255	275	285	XF-285	300	310	XF-310	375	385	XF-385	375	385	XF-385	515	525	XF-525	24
25	235	245	XF-245	250	260	XF-260	285	295	XF-295	310	320	XF-320	385	395	XF-395	385	395	XF-395	535	545	XF-545	25
26	245	255	XF-255	260	270	XF-270	295	305	XF-305	325	335	XF-335	400	410	XF-410	400	410	XF-410	555	565	XF-565	26
27	255	265	XF-265	270	280	XF-280	305	315	XF-315	335	345	XF-345	415	425	XF-425	415	425	XF-425	575	585	XF-585	27
28	260	270	XF-270	275	285	XF-285	315	325	XF-325	345	355	XF-355	430	440	XF-440	430	440	XF-440				28
29	270	280	XF-280	285	295	XF-295	325	335	XF-335	355	365	XF-365	445	455	XF-455	445	455	XF-455				29
30	275	285	XF-285	290	300	XF-300	335	345	XF-345	365	375	XF-375	455	465	XF-465	455	465	XF-465				30
31	285	295	XF-295	305	315	XF-315	345	355	XF-355	380	390	XF-390	470	480	XF-480	470	480	XF-480				31
32	295	305	XF-305	310	320	XF-320	355	365	XF-365	390	400	XF-400	485	495	XF-495	485	495	XF-495				32
33	300	310	XF-310	320	330	XF-330	365	375	XF-375	400	410	XF-410	500	510	XF-510	500	510	XF-510				33
34	310	320	XF-320	330	340	XF-340	375	385	XF-385	410	420	XF-420	515	525	XF-525	515	525	XF-525				34
35	315	325	XF-325	340	350	XF-350	385	395	XF-395	420	430	XF-430	525	535	XF-535	525	535	XF-535				35
36	325	335	XF-335	345	355	XF-355	395	405	XF-405	435	445	XF-445	540	550	XF-550	540	550	XF-550				36
37	335	345	XF-345	355	365	XF-365	405	415	XF-415	445	455	XF-455	555	565	XF-565	555	565	XF-565				37
38	340	350	XF-350	365	375	XF-375	415	425	XF-425	455	465	XF-465	570	580	XF-580	570	580	XF-580				38
39	350	360	XF-360	370	380	XF-380	425	435	XF-435	465	475	XF-475	585	595	XF-595	585	595	XF-595				39
40	355	365	XF-365	380	390	XF-390	435	445	XF-445	475	485	XF-485										40
41	365	375	XF-375	390	400	XF-400	445	455	XF-455	490	500	XF-500										41
42	375	385	XF-385	400	410	XF-410	455	465	XF-465	500	510	XF-510										42
43	380	390	XF-390	405	415	XF-415	465	475	XF-475	510	520	XF-520										43
44	390	400	XF-400	415	425	XF-425	475	485	XF-485	520	530	XF-530										44
45	395	405	XF-405	425	435	XF-435	485	495	XF-495	530	540	XF-540										45
46	405	415	XF-415	430	440	XF-440	495	505	XF-505	545	555	XF-555										46
47	415	425	XF-425	440	450	XF-450	505	515	XF-515	555	565	XF-565										47
48	420	430	XF-430	450	460	XF-460	515	525	XF-525	565	575	XF-575										48
49	430	440	XF-440	460	470	XF-470	525	535	XF-535	575	585	XF-585										49
50	435	445	XF-445	465	475	XF-475	535	545	XF-545	585	595	XF-595										50

TJ type shaft

TJX type



Type	TJX-2		TJX-5.5		TJX-14		Type
Pole	P	L	P	L	P	L	Pole
1	24	32	27	35	32	40.5	1
2	33	41	38	46	46	54.5	2
3	41	49	49	57	60	68.5	3
4	50	58	60	68	74	82.5	4
5	58	66	71	79	88	96.5	5
6	67	75	82	90	102	110.5	6
7	75	83	93	101			7
8	84	92	104	112			8
9	92	100	115	123			9
10	101	109	126	134			10
11	109	117	137	145			11
12	118	126	148	156			12

TESTING CONNECTORS

By using dedicated connector for connecting, drastically reduce the factory testing man-hour.

Connection type (3~15 poles)

■ TJ-2SCH □ PC



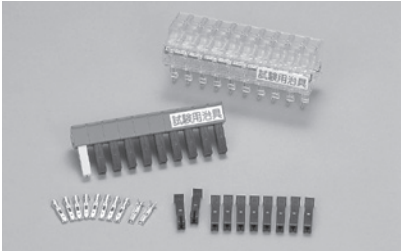
* Receptacle connector for standard attachment AMP Inc. 172774-1

■ TJ-3.5CH □ PC



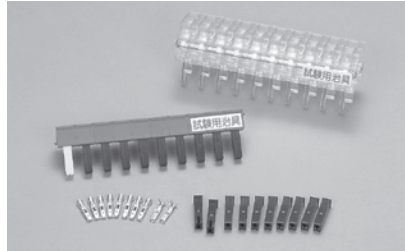
* Receptacle connector for standard attachment AMP Inc. 172774-1

■ TJ-5.5CH □ PC



* Receptacle connector for standard attachment AMP Inc. 172774-1

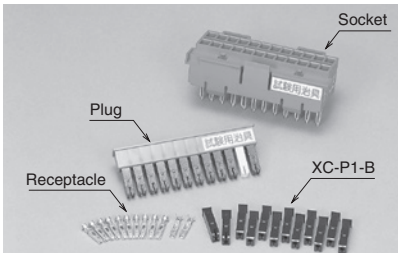
■ TJ-14CH □ PC



* Receptacle connector for standard attachment AMP Inc. 172774-1
* For TJX-14, only 3-6 poles.

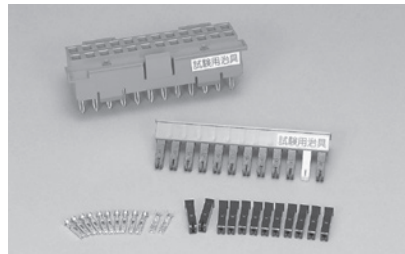
12 poles dedicated type

■ TJX-2CH 12P



* Please note that the connection type is not available in the lineup.
* Receptacle connector for standard attachment AMP Inc. 172774-1

■ TJX-5.5CH 12P



* Please note that the connection type is not available in the lineup.
* Receptacle connector for standard attachment AMP Inc. 172774-1

Specification	Type	Connection type				12 poles dedicated type	
		TJ-2SCH □PC	TJ-3.5CH □PC	TJ-5.5CH □PC	TJ-14CH □PC	TJX-2CH 12P	TJX-5.5CH 12P
No. of poles		3 to 15 poles				12 poles	
Rated insulation voltage (Ui)		250V					
Rated current-carrying capacity (Ith)		10A					
Max. wire size		2.27mm ²					
Withstand voltage		2,500V AC / 1 min.					
Ambient operating temperature		-20 to 50°C					



UP-SCREW TYPE TERMINAL BLOCK

TJ TYPE

ACCESSORIES

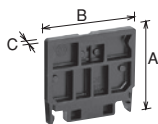
LIST OF APPLICABLE ACCESSORIES

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											
TJ TYPE	TJ-2S	TJE-2A, TJE-2B		TUM-2	TUM marker strip case 10	TJ-2 marker sheet		TXB	TKB	TXL	TJL	TUC-3 TUC-3-V0		SB8CB SB8RCB								
	TJ-2													—								
	TJ-3.5	TJE-5.5A, TJE-5.5B				TJ-5.5 marker sheet								SB10CB								
	TJ-5.5													SB11CB								
	TJ-14SH	TJE-14SHA, TJE-14SHB				TJ-14 marker sheet				TCL	TJL	TUC-6 TUC-6-V0		—								
	TJ-14													—								
	TJ-22	TJE-22A, TJE-22B				—				TXL		TUC-15, TUC-15-V0		—								

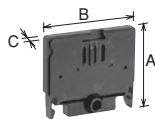
End plate

(Order unit: 100)

- TJE-□A
(Ventral side)



- TJE-□B
(Dorsal side)



Type name	TJE-2A TJE-2B	TJE-5.5A TJE-5.5B	TJE-14A TJE-14B	TJE-14SHA TJE-14SHB	TJE-22A TJE-22B
A	34	36	44	38.5	51
B	40	40	45	45	62
C	5	5	5	5	5

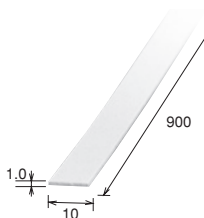
* Please use A, B set.

* Please note that the end plate of TJX-2, TJX-5.5 (Shaft type) are different from the above.

Marker strip

(Order unit: 100)

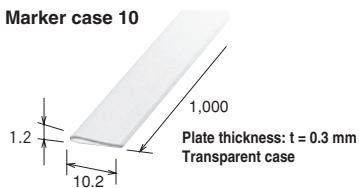
- TUM-2 (TUM Marker strip 10A ABS)



Marker strip case

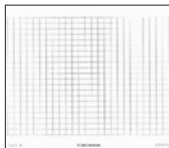
(Order unit: 100)

- TUM Marker case 10



Marker sheet

(Order unit: 50)
Printable area: A4-size

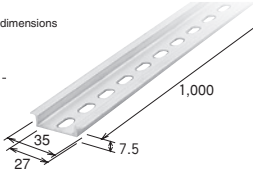
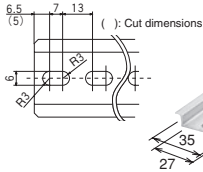


Type name	TJ-2 maker sheet	TJ-5.5 maker sheet	TJ-14 maker sheet
Pitch	8.5	11	14
Polesxpcs	33Poles ×22pcs	25Poles ×21pcs	19Poles ×21pcs

Aluminum rail

●TXB (DIN rail)

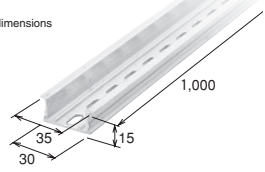
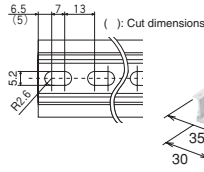
(Order unit: 50)



Applicable end clamp
TXL,TJL,TCL

●TKB (reinforced DIN rail)

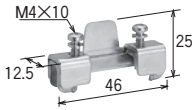
(Order unit: 20)



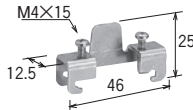
Applicable end clamp
TXL,TJL,TCL

End clamp

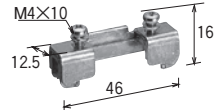
●TXL (for TXB)



●TJL (for TXB)



●TCL (for TXB)



(Order unit: 50)

Jumper

(Order unit: 10)

With insulation coat	2 poles	SB8CB-2	SB8RCB-2	SB10CB-2	SB11CB-2
	4 poles	—	—	SB10CB-4	—
	12 poles	SB8CB-12	SB8RCB-12	—	SB11CB-12
Dimensions					

Cover

(Order unit: 20)

●TUC cover



Type name	TUC-3 TUC-3-V0	TUC-6 TUC-6-V0	TUC-15 TUC-15-V0
A	40	45	62
B	1,000	1,000	1,000
C	5.6	5.6	7.5

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

Name plate mount

(Order unit: 50)

●TX NP mount S ●TX NP mount lens



(Assembled state)

* The NP mount can be attached to TXL (end clamp).

Rail cap

Please refer to the page C29 for the rail cap.



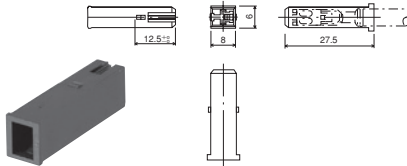
UP-SCREW TYPE TERMINAL BLOCK

TJ TYPE

ACCESSORIES

Plug (for 1 terminal)

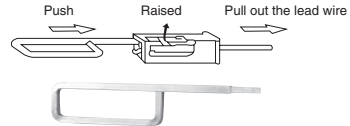
●XC-P1-B



Remover

●MIC-NQ

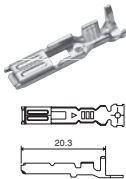
This tool is used to remove a receptacle from the plug of the XC.
* Please see page C66 for instruction of XC.



Receptacle contactor

●AMP Inc. (MIC) mark II

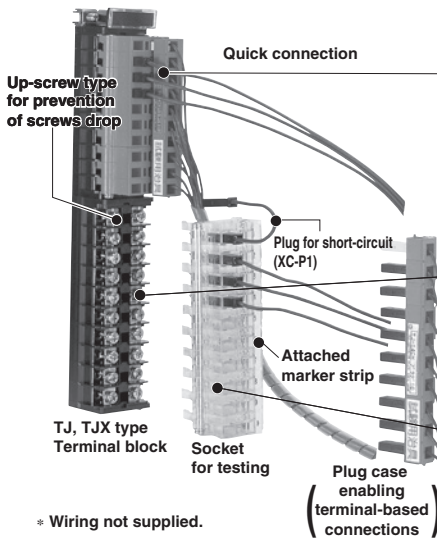
* For the instruction, refer to AMP Inc. manual, IS-259J (91592-1) and IS-260J (755400-1).



Applicable wire size (mm ²)	Insulation diameter	Material and coating	Model of receptacle		Model of crimp tool
			Chain	Loose piece	
0.3 to 0.89	1.5 to 2.6	Brass / Tin plated	172775-1	172776-1	91592-1
		Brass / Partially gold plated	—	172776-2	
		Phosphor bronze / Tin plated	172775-4	—	
0.5 to 2.27	2.1 to 3.4	Brass / Tin plated	172773-1	* 172774-1	1804014-1
		Brass / Partially gold plated	172773-2	172774-2	
		Phosphor bronze / Tin plated	172773-4	* 172774-4	

* We handle the contactor.

FEATURES AND USAGE



Shortening inspection time

Withstand voltage test

Sequence test

Quick connection

Saving wiring labor

The dropping-off prevention function assures greatly shortened wiring work.

Shortening inspection time

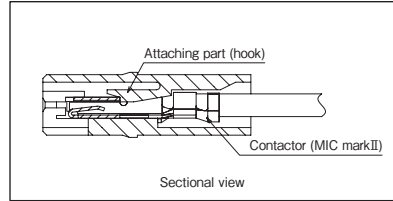
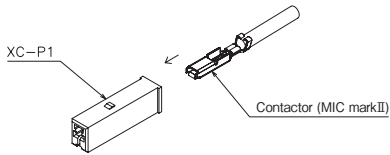
The use of the TJ-CH socket for testing improves the efficiency of testing at factory.

INSTRUCTION

■ Instruction of XC

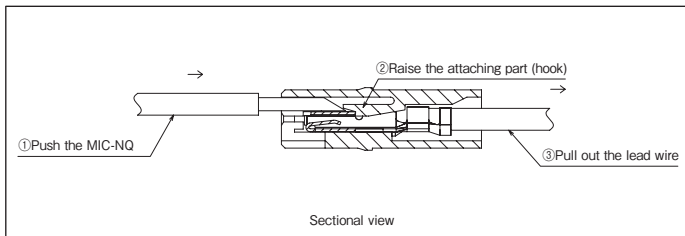
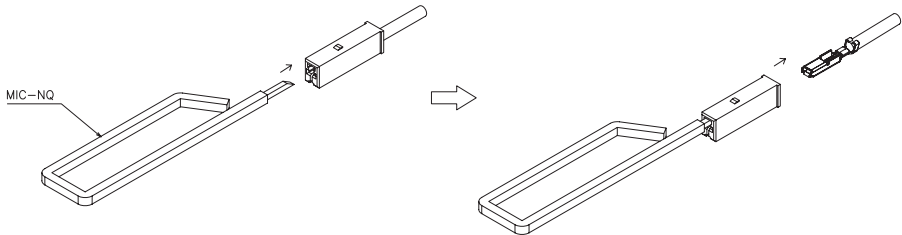
• Inserting

⇒ Insert the contact in the direction of the figure. After inserting, it's fixed by XC attaching part (hook) so pull it lightly and check that it can not come off.



• Extracting

⇒ To detach the contactor for extracting, raise the attaching part (hook) using a remover and pull the wire to come out. When removing it, force insertion tool and XC attaching part may be distorted. In that case please do not use.





TJ 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.