

DIN Rail Holder for Shielded IDC Field Wireable Connectors

Features

- Insulation displacement connector (IDC)
- Cat6a (Gigabit)
- 5-year warranty

**490238**

DIN Rail Holder for Shielded IDC Field Wireable Connectors

Part Number	Price	Number of Wires	Connector Type	Connection	Conductor Color Code	Drawing Link
490209	\$30.50	8	RJ45 female axial 8-wire/8-pin	Cat6a	TIA-568B	PDF
490238	\$30.50		RJ45 female axial 8-wire/8-pin		TIA-568A	PDF

DIN Rail Holder for Shielded IDC Field Wireable Connectors Specifications

Model	490209	490238
Type	RJ45:8-Wire, 8-Pin	
Rated Voltage	24V AC/DC	
Max. Current Per Contact	≤1A	
Transmission Type	Cat6a	
Transfer Rate	10 Gbit/s	
Bandwidth	500 MHz	
Operating Temperature Range	-40 to 85°C [-40 to 185°F]	
Protection Degree	IP20	
Flammability	V0 according to UL 94	
Wire Ø	0.9 to 1.6 mm	
Outside Cable Ø	9mm	
Conductor Cross Section	26-22 AWG [0-14 to 0.34 mm²]	
DIN rail Holder Material	Polycarbonate (PC)	
Contact Material	Copper Tin Alloy (CuSn) gold plated	
Approvals*	cULus	

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Pin Assignments

TIA-T568A

1	WH-GN
2	GN
3	WH-OG
4	BU
5	WH-BU
6	OG
7	WH-BN
8	BN

TIA-T568B

1	WH-OG
2	OG
3	WH-GN
4	BU
5	WH-BU
6	GN
7	WH-BN
8	BN

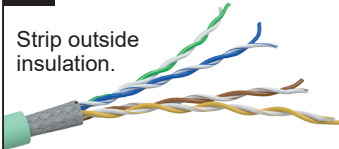
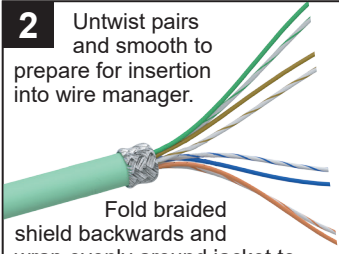
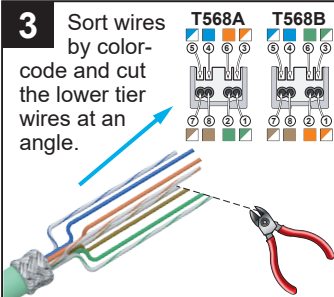
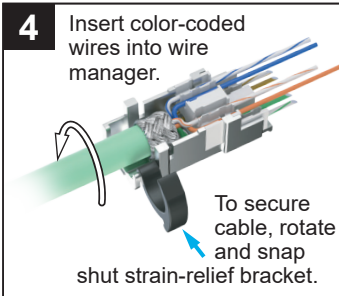
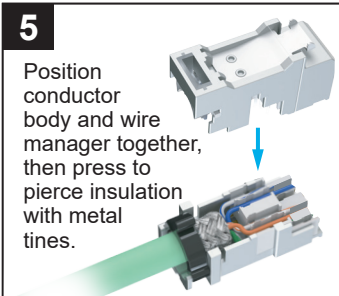

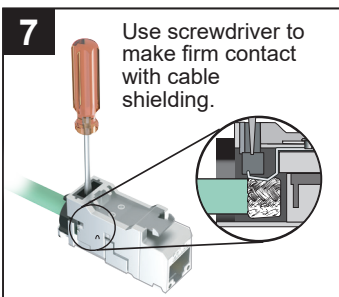
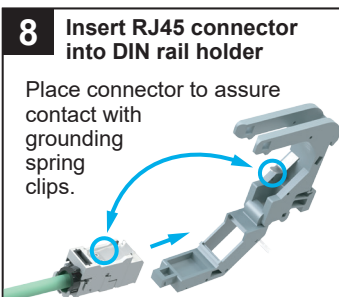
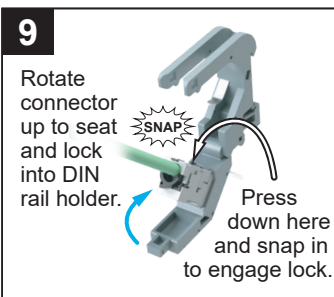
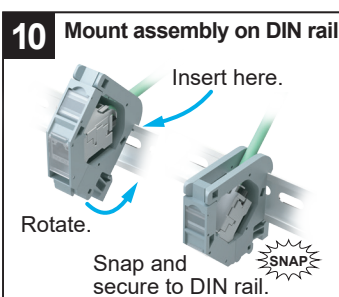
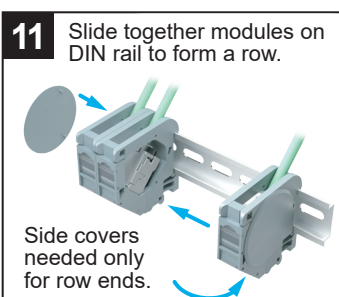
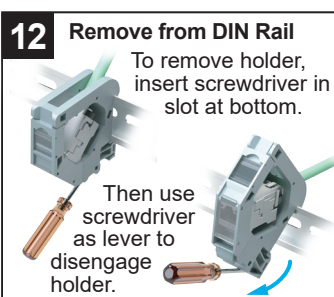
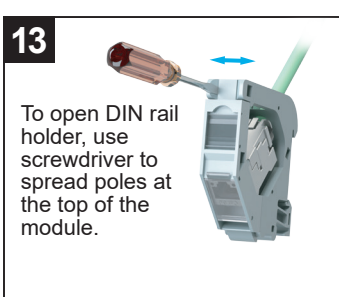
Profinet/Industrial

1	YE
2	OG
3	WH
4	—
5	—
6	BU
7	—
8	—

Field Wireable Connectors - Data

DIN Rail Holder for Shielded IDC Field Wireable Connectors

Assembly/Disassembly Instructions

- 1 Prepare RJ45 connector**
 Strip outside insulation.

 Leave min. 40mm of twisted pairs and 10-15 mm section of braided shield.
- 2 Untwist pairs and smooth to prepare for insertion into wire manager.**

 Fold braided shield backwards and wrap evenly around jacket to form band approx. 6 mm wide.
- 3 Sort wires by color-code and cut the lower tier wires at an angle.**

 T568A T568B
- 4 Insert color-coded wires into wire manager.**

 To secure cable, rotate and snap shut strain-relief bracket.
- 5 Position conductor body and wire manager together, then press to pierce insulation with metal tines.**

- 6 Compress conductor and wire manager bodies together with appropriate tool.**

- 7 Use screwdriver to make firm contact with cable shielding.**

- 8 Insert RJ45 connector into DIN rail holder**
 Place connector to assure contact with grounding spring clips.

- 9 Rotate connector up to seat and lock into DIN rail holder.**

 Press down here and snap in to engage lock.
- 10 Mount assembly on DIN rail**

 Insert here.
 Rotate.
 Snap and secure to DIN rail.
- 11 Slide together modules on DIN rail to form a row.**

 Side covers needed only for row ends.
- 12 Remove from DIN Rail**
 To remove holder, insert screwdriver in slot at bottom.

 Then use screwdriver as lever to disengage holder.
- 13 To open DIN rail holder, use screwdriver to spread poles at the top of the module.**

- 14 To remove the RJ45 connector from holder, place screwdriver to depress and disengage lock on grounding spring clip.**
