

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	\$28.00	8	RJ45 female axial 8-wire/8-pin	Cat6a	TIA-568B	PDF
490238	\$28.00		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	—

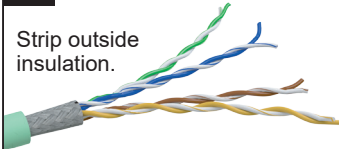
Field Wireable Connectors - Data

DIN Rail Holder for Shielded IDC Field Wireable Connectors

Assembly/Disassembly Instructions

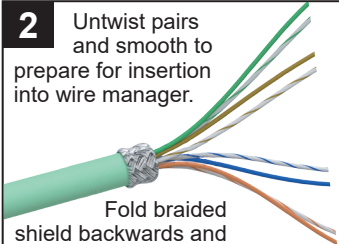
1 Prepare RJ45 connector

Strip outside insulation.



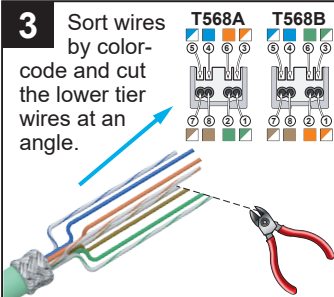
Leave min. 40mm of twisted pairs and 10-15 mm section of braided shield.

2 Untwist pairs and smooth to prepare for insertion into wire manager.

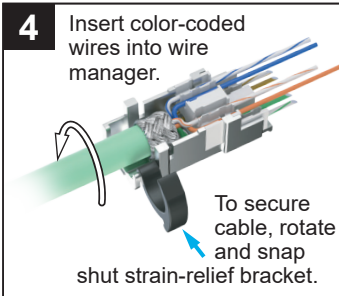


Fold braided shield backwards and wrap evenly around jacket to form band approx. 6 mm wide.

3 Sort wires by color-code and cut the lower tier wires at an angle.

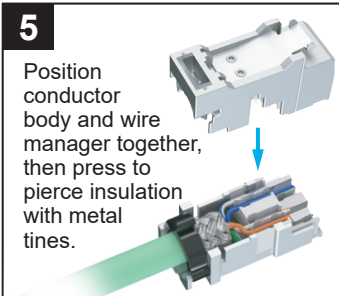


4 Insert color-coded wires into wire manager.




To secure cable, rotate and snap shut strain-relief bracket.

5

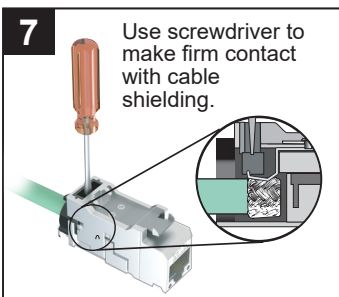


Position conductor body and wire manager together, then press to pierce insulation with metal tines.

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

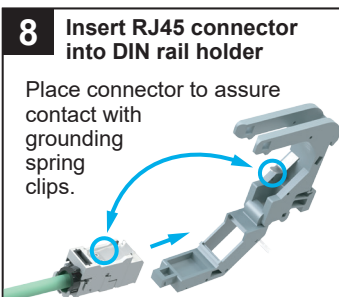


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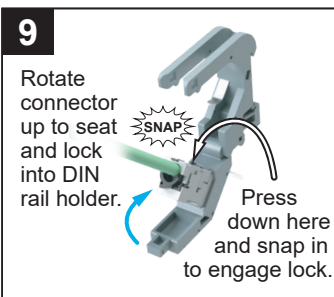
Use screwdriver to make firm contact with cable shielding.

8 Insert RJ45 connector into DIN rail holder



Place connector to assure contact with grounding spring clips.

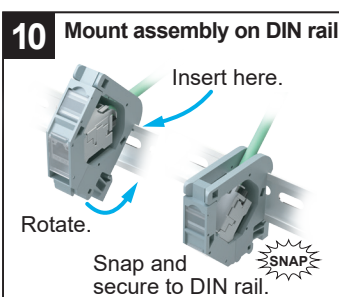
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Rotate connector up to seat and lock into DIN rail holder.

Press down here and snap in to engage lock.

10 Mount assembly on DIN rail

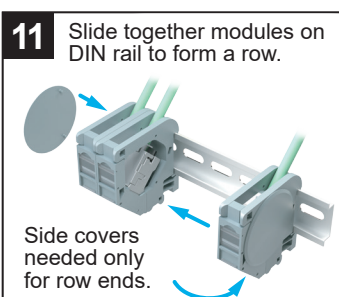


Insert here.

Rotate.

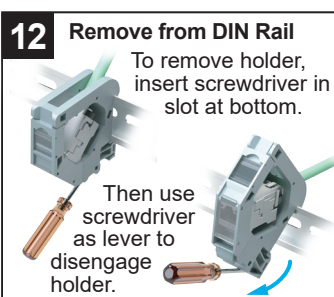
Snap and secure to DIN rail.

11 Slide together modules on DIN rail to form a row.



Side covers needed only for row ends.

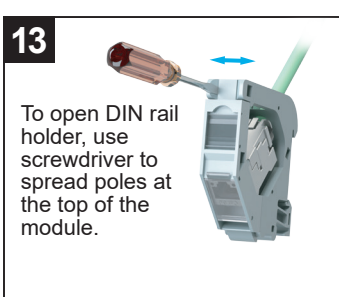
12 Remove from DIN Rail



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.