Description

- DIN RAIL adapter with field mountable RJ45-jack acc. IEC 60603-7-5, Cat.6, shielded
- Color coding acc. EIA/TIA-568 A/B
- For industrial ethernet

General characteristics

Connection method, din rail	mounting rail TH35
Connection method, connector	RJ45-jack, field mountable, UL listed
Number of pins	8
Ambient temperature	-40°C to +75°C (-40°F to 167°F)
Degree of protection	IP 20
Shielding	Shielded
For conductor	AWG22/1 to AWG26/1 (solid) AWG22/7 to AWG27/7 (stranded)
For insulation-Ø	0.9 to 1.6 mm
For cable-Ø	Ø5.0 mm to Ø9.0 mm

Variation

Article	Description	Pin assignment	Included RJ45-jack
21700613	EPIC DATA HS RJ45 F 10G A	EIA/TIA-568A	21700611
21700614	EPIC DATA HS RJ45 F 10G B	EIA/TIA-568B	21700612

Electrical properties

RJ45-jack

Rated voltage	60 VDC (max.)
Rated current at 50 °C	1 A
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ
Withstand voltage	≥ 1000 VDC contact to contact ≥ 1500 VDC contact to shield
Suitable for Power over Ethernet 4PPoE acc. to IEEE 802.3bt	yes

Transmission characteristics

RJ45-jack

Category (ISO)	6

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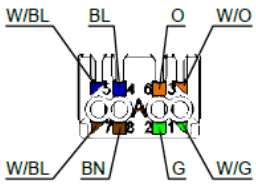
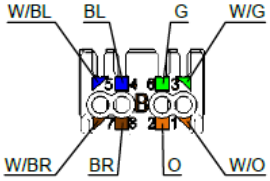
Connector pin assignment

EIA/ TIA 568A	EIA/TIA 568B
	

Mechanical properties

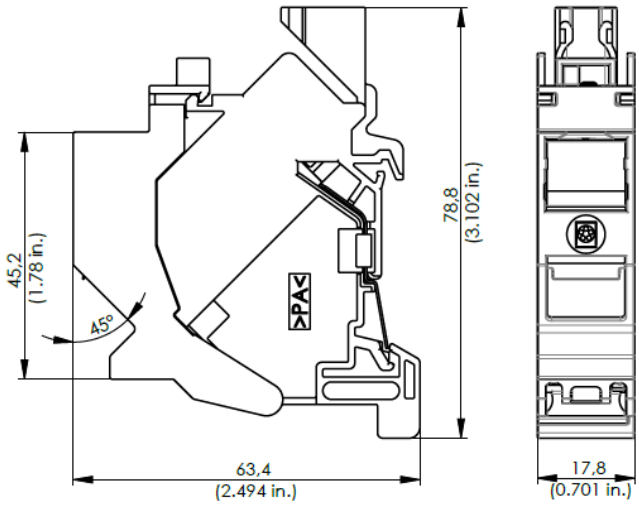
Mounting rail housing

Inflammability class according to UL 94	V0
Housing, material	PA grey
Cover, material	PA grey
Transparent cover, material	PC crystal clear
Shutter, material	PA grey
Shutter holder, material	PA grey
Leg spring, material	Stainless steel
Earth contact spring, material	Tool steel, tin-plated

RJ45-jack

Inflammability class according to UL 94	V0
Connector housing, material	Zink diecast Ni plated
Stop hook, material	Stainless steel
Snap arm for cable trap, material	PC black
Slide for shield contact, material	PC black
Shield, material	German silver
Wire pair presorting, material	PBT nature
Insulating plate, material	PC white
Insulation body, material	PC white
PCB, material	FR4, tin-plated
Contact spring, material	Spring steel, gold plated
IDC, material	Copper alloy, tin-plated

Technical drawing



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Standards / Approvals

Mounting rail TH35	DIN 60715
Product standard, RJ45-connector	IEC 60603-7-5
Generic cabling for customer premises – General requirements	ISO/IEC 11801
POE+	acc. IEEE 802.3at
4PPoE	acc. IEEE 802.3bt

Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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