Description

- Field mountable RJ45-jack, Cat.6$_A$, shielded

- IP68*-housing included

- Pin assignment EIA/TIA-568B

- For industrial Ethernet

General characteristics

Connection method, connector	RJ45-jack, field mountable
Number of pins	8
Ambient temperature	-40°C to +85°C (-40°F to 185°F)
Degree of protection	IP 68* (0.5h / 20 m)
Shielding	Shielded
For conductor	AWG22/1 to AWG24/1 AWG22/7 to AWG27/7
For insulation-Ø	Ø0.85 mm to Ø1.6 mm
For cable-Ø	Ø6.5 mm to Ø9.0 mm
Life (mating cycles) IP68 housing	≥100
Reusable IDC (RJ45-jack)	≤4

Additional Note

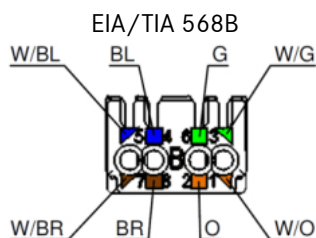* IP68 only in combination with 21700630 and 21700632 or 21700632 and 21700633

Electrical properties

Rated voltage	50 VAC / 60 VDC (max.)
Rated current at 50 °C	1 A
Pollution degree	2
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ
Withstand voltage	≥ 1000 VDC contact to contact
	≥ 1500 VDC contact to shield

Transmission characteristics

Category (ISO)	6$_A$

Connector pin assignment

EIA/TIA 568B

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Mechanical properties

IP68-bulkhead housing

Bulkhead housing, material	Brass, Ni plated
O-ring, material	Silicone red

RJ45-jack

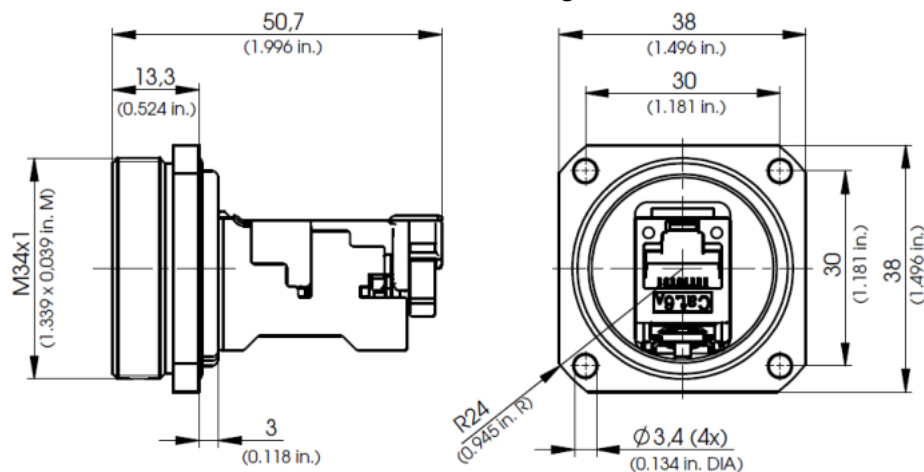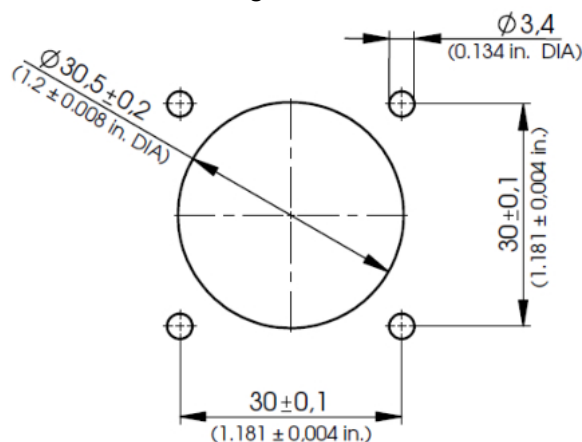|	
Inflammability class according to UL 94	V0
Connector housing, material	Zink die cast, Ni plated
Snap arm für cable trap, material	PC black
Slide for shield contact, material	PC black
Shield	German silver
Wire pre-sorting, material	PBT white
Insulating plate/body, material	PC white
PCB, material	FR4, tin-plated
Contact spring, material	Spring steel
IDC, material	Copper alloy, Sn plated

Technical drawing

Dimension drawing

Flange-dimension

Standards / Approval

Product standard, RJ45-connector	IEC 60603-7-51
Generic cabling for customer premises – General requirements	ISO/IEC 11801
Transmission rate up to 10GBit	acc. IEEE 802.3an
POE+	acc. IEEE 802.3at

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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