

21700630	DATA SHEET	
Valid from: 17.09.2018	EPIC® DATA ED-IE-AX-RJ45-6A-B-68-FC	

Description

- Field mountable RJ45-plug, Cat.6_A, shielded
- IP68*-housing included
- Pin assignment EIA/TIA-568B
- For industrial Ethernet



General characteristics

Connection method, connector	RJ45-plug, 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

Additional note

* IP68 only in combination with 21700630 and 21700631 or 21700630 and 21700632

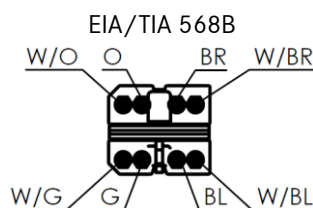
Electrical properties

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
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Connector pin assignment



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Mechanical properties

IP68-housing

Cap nut/sleeve, material

Zink die cast, Ni plated

O-ring, material

silicone red

Sealing insert, material

silicone transparent

RJ45-plug

Inflammability class according to UL 94

V0

Connector housing, material

Zink diecasting Ni plated

Contact housing, material

PC crystal clear

Wire pre-sorting, material

PC white

Hook, material

PBT black

Strain relief lever, material

PBT black

Protection cap, material

PBT black

PCB, material

FR4

Piercing contacts, material

phosphor bronze, Sn plated

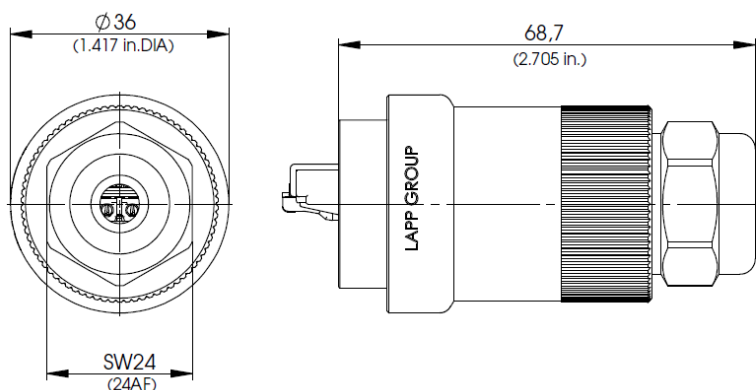
Shield contact, material

brass, Ni plated

Contact, material

spring steel, gold plated

Technical drawing



Standards / Approvals

Product standard, RJ45-connector

IEC 60603-7-51

Generic cabling for customer premises – General requirements

ISO/IEC 11801, Chapter 13, Category 6_A

Transmission rate up to 10Gbit

acc. IEEE 802.3an

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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