


21700647	DATA SHEET	
Valid from: 20.09.2023	ED-IE-AX-M12D-5-PN-67-FC	

Product description

straight plug, field mountable, M12 D-coded, 4 pins, colour coding acc. to PROFINET, Cat.5, shielded



General characteristics

Ambient temperature	-25 to +85 °C
Protection degree	IP 67
Termination type	IDC
Outer diameter, cable	6.2 – 9.7 mm
Outer diameter, wire	0.85 – 1.6 mm
Termination cross section, stranded, 7 wires	AWG26/7 – AWG22/7
Termination cross section, solid	AWG26/1 – AWG22/1
Pollution degree	2
Overvoltage category	III
Shielding	shielded

Mechanical properties

Insertion force	≤ 30 N
Mating cycles	≥ 100

Electrical properties

Rated voltage	60 V DC
Current carrying capacity at 40°C	1 A
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 100 MΩ

Transmission characteristics

Suitable for 100 Mbit/s Ethernet acc. to IEEE 802.3an	yes
Category 5	ISO/IEC 11801

Materials

Connector housing, base material	die-cast zinc
Connector housing, surface	Ni
Contacts, surface	Au
Contact holder and stuffer cap	PA UL94-V0 HL3 R22/R24 according to EN 45545-2


Standards

Product standard	DIN EN 61076-2-109
Vibration and Shock	DIN EN 61373:2011-04 Class 1, Category B
Salt-Spray	DIN EN 60068-2-11 02/48H

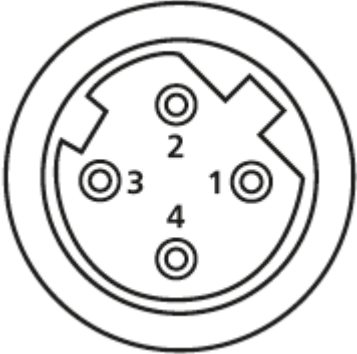
Approvals

UL listed, E-File	DUXR.E353543
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Creator: STKU3/PDP Released: IVSE1/PDP	Document: DB21700647EN Version: 09	Page 1 of 2
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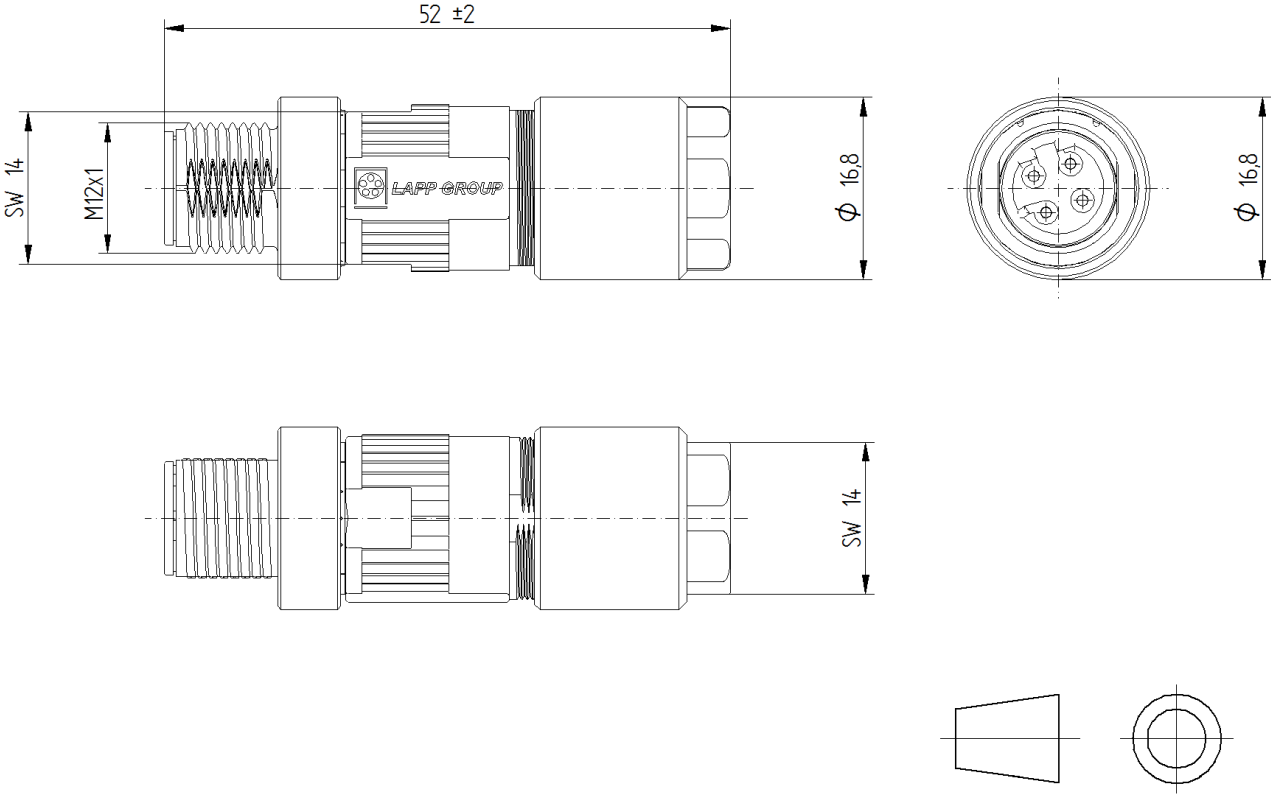
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Pin assignment



Pin-No.	Color coding
1	YE
2	WH
3	OG
4	BU

Drawings



Note

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