


21700648	<b>DATA SHEET</b>	
Valid from: 20.09.2023	<b>ED-IE-AX-M12D-5-67</b>	

## Product description

straight plug, field mountable, M12 D-coded, 4 pins, colour coding acc. to TIA 568, Cat.5, shielded



## General characteristics

Ambient temperature	-25 to +85 °C
Protection degree	IP 67
Termination type	IDC
Outer diameter, cable	5.0 – 6.1 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 Ethernet acc. to IEEE 802.3an	yes
Category 5	ISO/IEC 11801

## Materials

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

## Standards

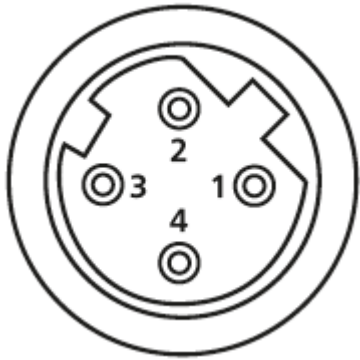
Product standard	DIN EN 61076-2-109
Vibration and Shock	DIN EN 61373:2011-04 Class 1, Category B
Salt-Spray	DIN EN 60068-2-11 02/48H

## Approvals

UL listed, E-File	DUXR.E353543
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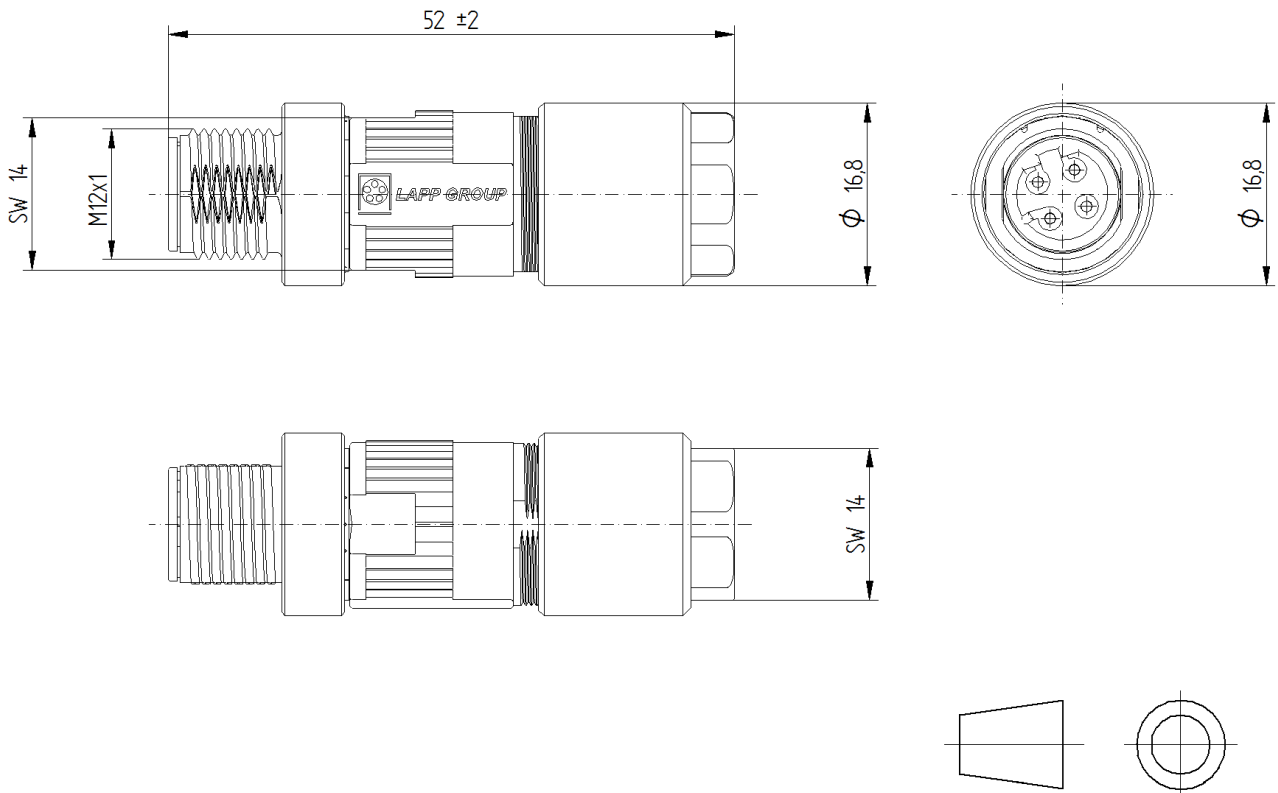
Creator: STKU3/PDP Released: IVSE1/PDP	Document: DB21700648EN Version: 09	Page 1 of 2
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**Pin assignment**



Pin-No.	Color coding
1	WH / OG
2	WH / GN
3	OG
4	GN

**Drawings**



**Note**

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