

21700621	DATA SHEET	
Valid from: 20.09.2023	ED-IE-AX-M12XF-6A-67-FC	

Product description

- Field mountable Industrial Ethernet Connector, M12 X-coded acc. to IEC 61076-2-109
- Suitable for industrial applications
- Robust and consistent against vibration
- No special tools needed



General properties

Ambient temperature	-40 to +85 °C
Protection degree	IP 67*
Termination type	IDC
Outer diameter, cable	5.0 – 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

*following Lapp products with an outer diameter greater than 8.5 mm are recommended to enable the protection degree IP67

ETHERLINE® Cat.6_A
ETHERLINE® PN Cat.6_A FLEX
ETHERLINE® FD CAT.6_A
ETHERLINE® TORSION Cat.6_A
ETHERLINE® Cat.7

**following version is recommended for cable outer diameters less than 6.3 mm

21700645

Mechanical properties

Insertion force	≤ 30 N
Mating cycles	≥ 100

Electrical properties

Rated voltage	48 V
Current carrying capacity	0,5 A
Insulation resistance	≥ 100 MΩ

Transmission properties

Suitable for 10 Gigabit Ethernet acc. to IEEE 802.3an	yes
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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

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Approvals

UL listed, E-File

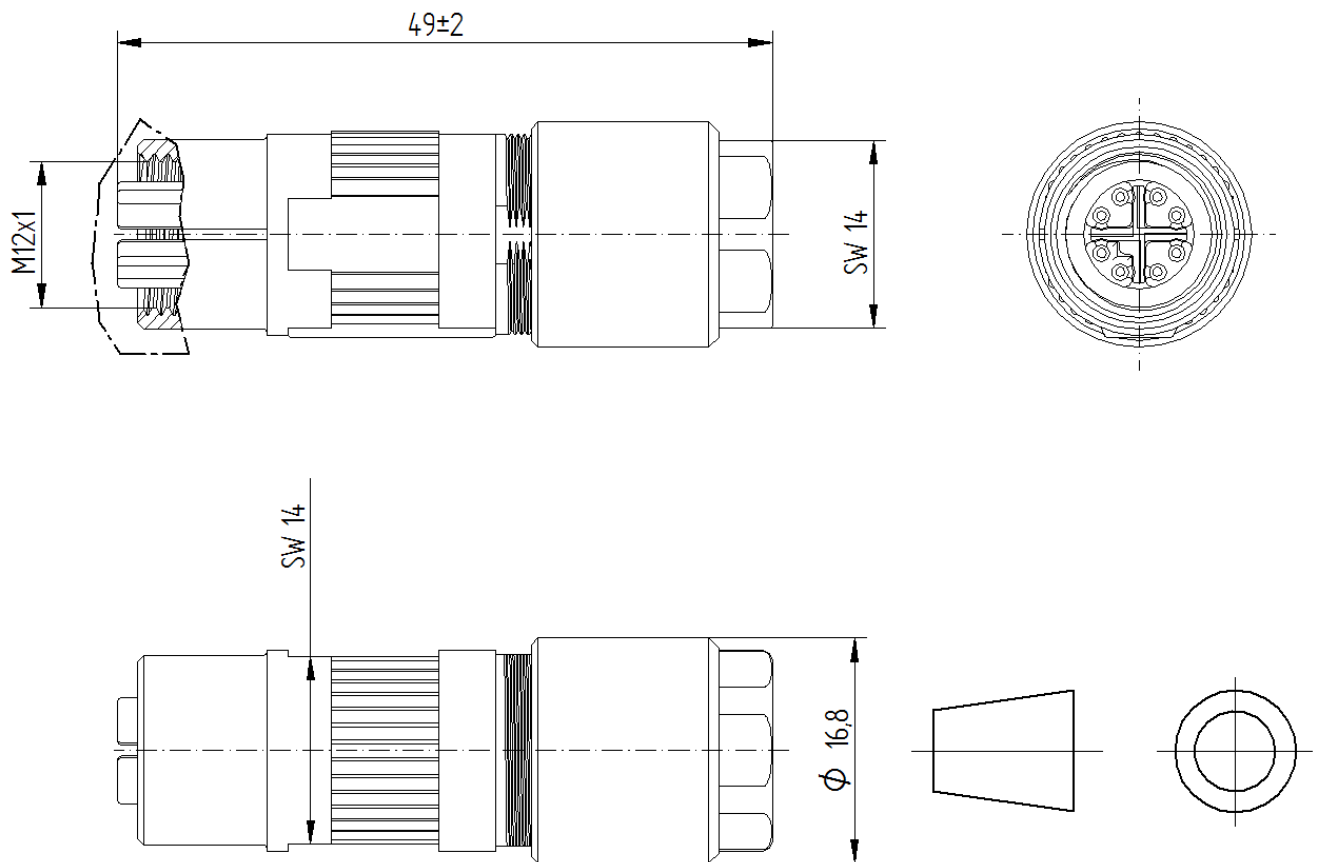
E353543

Standards

Product standard
Vibration and Shock
Salt-Spray

DIN EN 61076-2-109
DIN EN 61373:2011-04 Class 1, Category B
DIN EN 60068-2-11 02/48H

Drawings



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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