


381166927	<b>DATA SHEET</b>	
Valid from: 06.11.2024	<b>EPIC® DATA-IE-AX-M12XF-6A-67-FC</b>	

## Product description

- Field mountable Industrial Ethernet Connector, M12 X-coded acc. to IEC 61076-2-109
- Optional direct panel mounting is possible
- 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	5.5 – 9.0 mm
Outer diameter, wire	0.9 – 1.6 mm
Termination cross section, stranded, 7 wires	AWG27/7 – AWG22/7
Termination cross section, solid	AWG24/1 – AWG22/1
Pollution degree	3
Overvoltage category	II

## Mechanical properties

Insertion force	≤ 30 N
Mating cycles	≥ 100

## Electrical properties

Rated voltage	50 V AC, 60 V DC
Current carrying capacity at 40°C	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	Zinc diecast nickel-plated, brass nickel-plated
Contact surface	Ni + Au
Contact housing and clamp cage	PA UL94 V0
Sealings	NBR

## Approvals

UL listed, E-File	E353543
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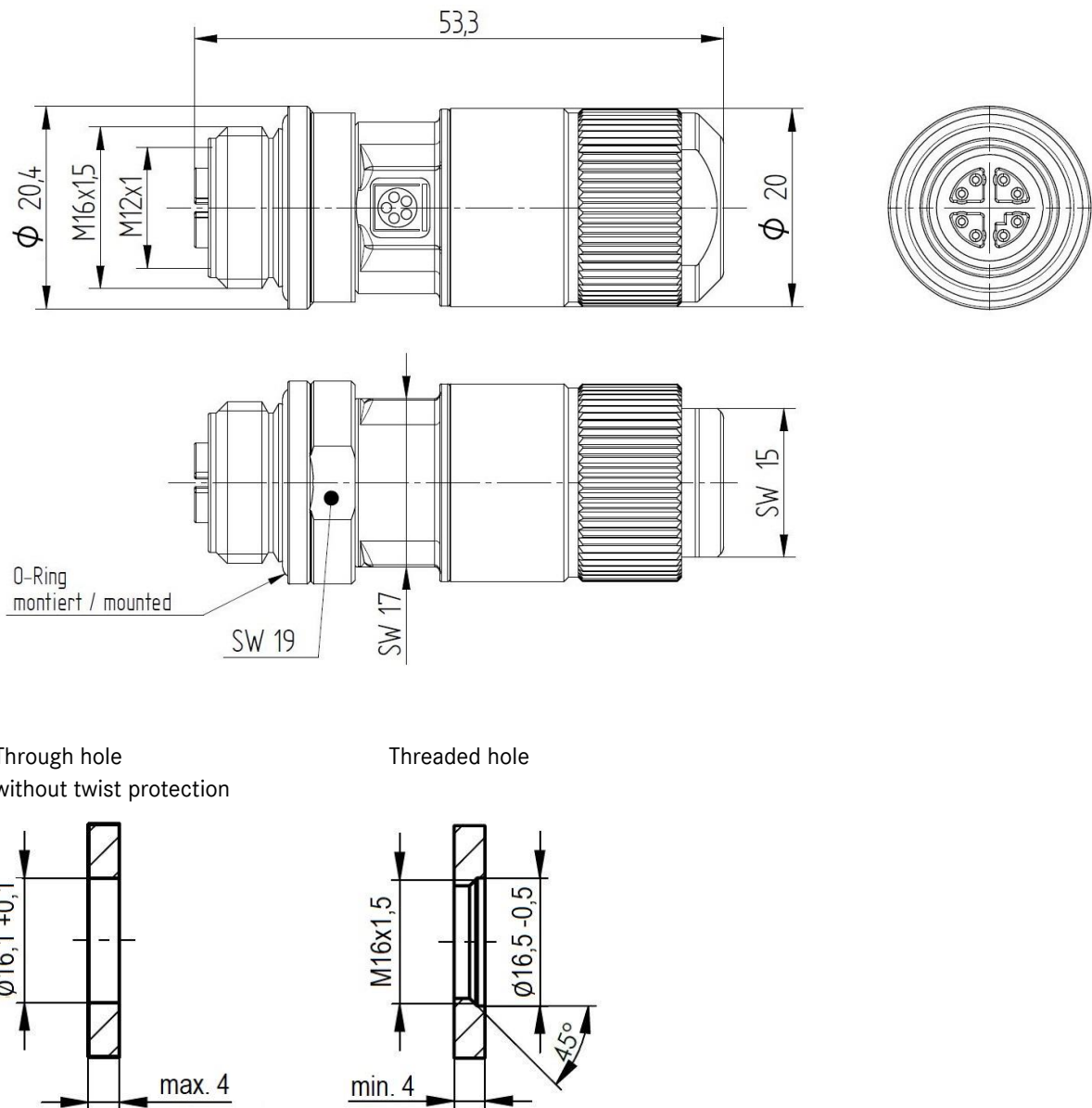
## Standards

Product standard	DIN EN 61076-2-109
UL standard for communication circuit accessories	UL 1863
Generic cabling systems	ISO/IEC 11801, DIN EN 50173-1
Salt-Spray	DIN EN 60068-2-11 02/48H

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## 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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