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381166921	DATA SHEET	LAPP
Valid from: 06.11.2024	EPIC® M12 FEAM12F-0.5-M16	

Description

- Sensor/Actuator flush-type socket, M12 screw connection, 12-pole, A-coding
- Front/screw mounting with M16 thread, 0.5m conductors, 12 x 24AWG



General characteristics

Design	Panel mount M12, male contacts
Connection	Screw connection
Coding	A-Coding
Number of poles	12
Product standard	DIN EN 61076-2-101
Protection class	IP 67
Temperature rating (operation)	-25 up to +85 °C (-13 up to +185 °F)
Mating cycles	≥ 100
Tightening torque, connector	0.4 up to 0.6 Nm
Tightening torque, counter-nut	3 up to 4 Nm

Electrical properties, connector

Rating voltage	30 V
Rating current	1.5 A
Overvoltage category	II
Pollution degree	3
Insulation resistance	≥ 100 MΩ
Contact resistance of connector	≤ 5 mΩ

Materials, connector

Contacts	Brass, gold plated
Contact holder	TPU GF
Connector shell	Zinc die-cast, nickel plated
Counter-nut M16x1,5	Brass, nickel plated
Inner overmold	Epoxi resin
Seal	FPM/FKM

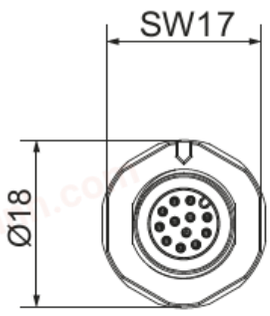
Single core

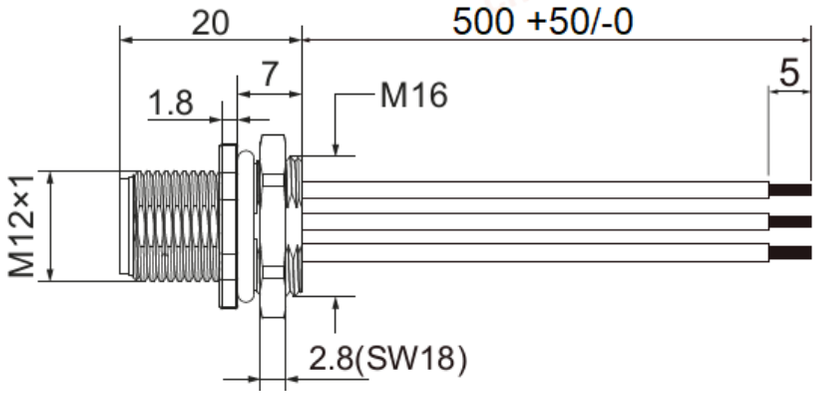
AWM style	1569
Material of conductor	Stranded copper wire, stripped zone tin plated
Material of core insulation	PVC
Conductor cross-section	24AWG
Color of cores	Brown (BN), Blue (BU), White (WH), Green (GN), Pink (PK), Yellow (YE), Black (BK), Grey (GY), Red (RD), Violet (VT), Grey/Pink (GY/PK), Red/Blue (RD/BU)

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Technical drawings

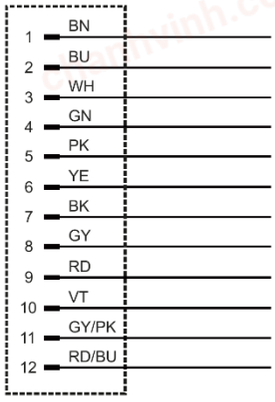




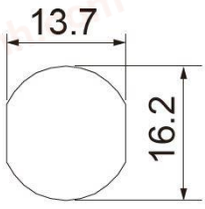
Pin diagram



Wire list



Panel cut-out



Maximum wall thickness is 3,5mm

Application range

Connection of enclosures and cabinets.

Note

The photographs are not to scale and are not detailed images of the respective products..

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