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381166911	DATA SHEET	LAPP
Valid from: 06.11.2024	EPIC® POWER M12 FESM4F-0.5-M16	

Description



- Panel mount plug for power transmission, M12 screw connection, 4-pole, S-coding
- Front/screw mounting with M16 thread, 0.5m conductors, 4 x 16AWG

General characteristics

Design	Panel mount plug M12
Connection	Screw connection
Coding	S-Coding
Number of poles	4-pole (3+PE)
Product standard	DIN EN 61076-2-111
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, locknut	3 up to 4 Nm

Electrical properties, connector

Rating voltage	630 V
Rating current	12 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	Brass, nickel plated
Locknut	Brass, nickel plated
Inner overmold	Epoxide resin
Seal	FPM/FKM

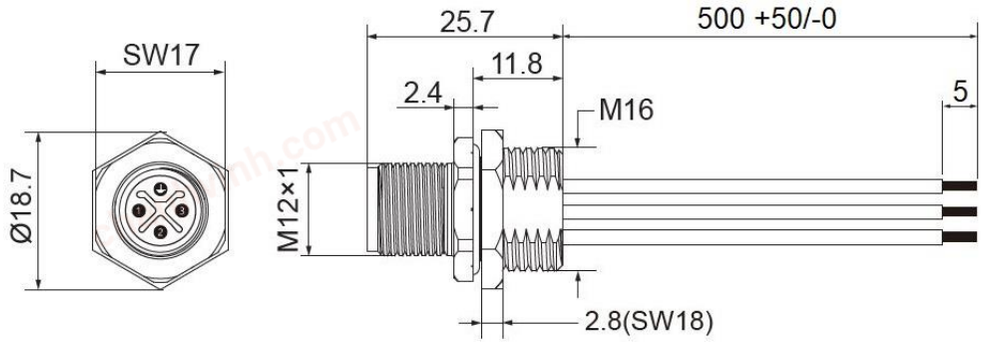
Single cores

AWM style	1015
Material of conductor	Stranded copper wire, stripped section tinned
Material of core insulation	PVC
Conductor cross-section	16AWG
Color of cores	Black (BK), Green/Yellow (GN/YE)

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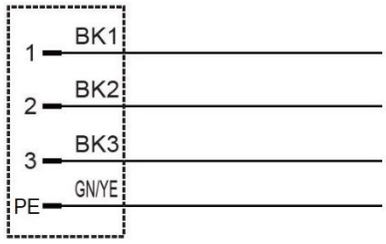
Technical drawings



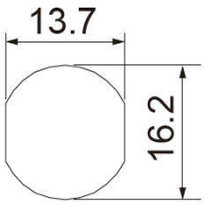
Pin diagram



Wire list



Panel cut-out



Maximum wall thickness is 7 mm

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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