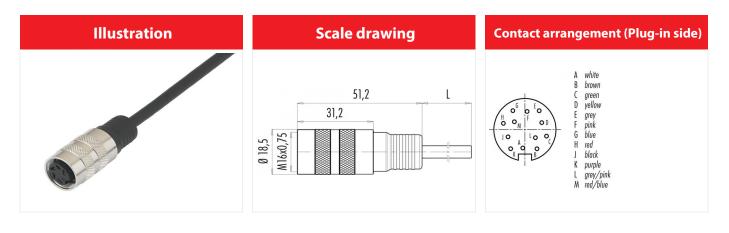
Product data sheet Miniature connectors



Product description

M16 IP67 female cable connector, Contacts: 12, shielded, moulded on cable, IP67, Shielded cable, TPE-U (PUR) black, 12 x 0.25 mm²

Area Order number M16 IP67 series 425 79 6130 20 12



Technical data

General values

Connector design Connector locking system Termination Wire gauge (mm) Wire gauge (AWG) Upper limit temperature Lower limit temperature Customs tariff number Packaging Unit

Cable data

 Cable length
 2 m

 Sheath material
 TPE-1

 Single-lead insulation
 PE 2*

 Halogen free
 Yes

 Single-lead structure
 14x00

 Cable diameter
 7.8 m

 Cable color
 black

 Temperature range, moving cable, °C from
 -5°C

 Temperature range, fixed cable, °C from
 -25°C

 Temperature range, fixed cable, °C from
 -25°C

 Bending radius, fixed cable
 ≥ 5 x

 Bending radius, moving cable
 ≥ 12

female cable connector screw moulded on cable 0.25 mm² 24 70 °C - 25 °C 85444290 30

2 m TPE-U (PUR) PE 2Y Yes 14x0,15 mm mm 5.8 mm black -5°C +70°C ≥ 5 × Ø ≥ 12 × Ø

Electrical values

Rated current (40 °C) Rated voltage Rated impulse voltage Pollution degree Overvoltage category Insulating material group Insulation resistance EMC compliance Degree of protection Mechanical operation

Material

Contact material Contact plating Contact body material Housing material REACH SVHC 3 A 60 V 500 V 1 III $\ge 10^{10} \Omega$ shielded IP67 > 500 Mating cycles

CuSn (bronze) Au (gold) PBT (UL94 V-0) PUR CAS 7439-92-1 (Lead)

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Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).