Product data sheet
Automation technology - sensors and actuators

Product description
M12-A connecting cord, Contacts: 4/3, not shielded, moulded on cable, IP67, PUR black, 4 x 0.25 mm²

Area
M12-A series 765

Order number
79 5205 10 04

Technical data

General values
Connector design: connecting cord
Connector locking system: screw
Termination: moulded on cable
Wire gauge (mm²): 0.34 mm²
Wire gauge (AWG): 22
Upper limit temperature: 85 °C
Lower limit temperature: – 25 °C
Customs tariff number: 85444290

Electrical values
Rated current (40 °C): 4 A
Rated voltage: 30 V
Rated impulse voltage: 800 V
Pollution degree: 3
Overvoltage category: II
Insulating material group: II
EMC compliance: not shielded
Degree of protection: IP67
Mechanical operation: > 100 Mating cycles

Cable data
Cable length: 1 m
Sheath material: PUR
Single-lead insulation: PVC
Single-lead structure: 32 x 0,1 mm
Cable diameter: 4.5 mm
Conductor resistance: 80Ω/Km
Temperature range, moving cable, °C from -5 °C
Temperature range, moving cable, °C to 80 °C
Temperature range, fixed cable, °C from -25 °C
Temperature range, fixed cable, °C to 80 °C

Material
Contact material: Pin: CuZn (brass) / Socket: CuSn (bronze)
Contact plating: Au (gold)
Contact body material: PUR
Housing material: PUR
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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).