Product data sheet
Automation technology - data transmission and power supply

Product description
M12-B cable connector, Contacts: 5, 4.0 - 6.0 mm, not shielded, screw clamp, IP67, UL
Area
M12-B series 715
Order number
99 0437 15 05

Illustration
Scale drawing
Contact arrangement

You can find the component part drawing and assembly instructions on the next page.

Technical data

General values
Connector design: cable connector
Connector locking system: screw
Termination: screw clamp
Wire gauge (mm²): 0.75 mm²
Wire gauge (AWG): 18
Cable outlet: 4.0 - 6.0 mm
Upper limit temperature: 85 °C
Lower limit temperature: -40 °C
Customs tariff number: 85369010

Cable data
Approval 1: UL

Electrical values
Rated current (40 °C): 4 A
Rated voltage: 60 V
Rated impulse voltage: 1500 V
Pollution degree: 3
Overvoltage category: II
Insulating material group: III
Insulation resistance: ≥ 10¹⁰ Ω
EMC compliance: not shielded
Degree of protection: IP67
Mechanical operation: > 50 Mating cycles

Material
Contact material: CuZn (brass)
Contact plating: CuSnZn (Optalloy)
Contact body material: PA
Housing material: PA
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Component part drawing

Material der Gewinderinge: Zink Druckguss, Edelstahl

Assembly instructions / Panel cut-out

Material der Gewinderinge: Zink Druckguss, Edelstahl
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).