Product data sheet

Automation technology - sensors and actuators

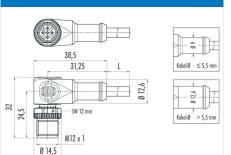


Product description M12-A male angled connector, Contacts: 4, unshielded, moulded on cable, IP69K, UL listed, PVC grey, 4 x 0.34 mm²

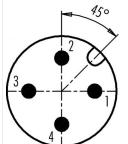
Area M12-A series 763 Order number 77 3427 0000 20004-0200



Scale drawing



Contact arrangement (Plug-in side)



- brown
- 2 white
- 3 blue 4 black

Technical data

General features

Order number

Notice

Connector design
Cable length
Version
Connector locking system
Termination
Degree of protection
Cross-sectional area
Temperature range from/to
Mechanical operation
Weight (g)
Customs tariff number

77 3427 0000 20004-0200 Please note that, due to the change from the old to the new order

to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right. male angled connector connector male angled screw moulded on cable IP69K 0.34 mm² / AWG 22 -25 °C / 90 °C > 100 Mating cycles

Material

Housing material Contact body material Contact material Contact plating Locking material PUR PUR CuZn (brass) Au (gold) Zinc die-cast nickelplated

Authorization/approvals

Approval 1 UL listed

Classifications

eCl@ss 11.1 27-06-03-11 ETIM 7.0 EC001855

Declarations of conformity

 Low Voltage Directive
 2014/35/EU (EN 60529:1991;EN 60204-1:2018)

 RoHS Directive
 2011/65/EU (EN 60204-1:2018)

50581:2012)

Electrical parameters

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

250 V 2500 V 4 A ≥ 10¹⁰ Ω 3 II II unshielded

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Technical data

Cable data

Cable diameter 4.8 mm Sheath material PVC Single-lead insulation PVC Single-lead structure 42x0.1 mm Cable color grey Conductor resistance 57 Ω /Km Bending radius, fixed cable ≥ 5 x Ø Bending radius, moving cable ≥ 10 x Ø Bending cycles >2Mio.

Bending cycles >2Mio.

Permitted acceleration max. 5 m/s² +1 m/s²

Travel distance, horizontal 5 m/sec² -> 5m

Travel distance, vertical 5 m/sec² -> 2m

Travel speed ≤ 200 m/min (5 m horizontal distance)

Temperature range cable in move from/to -5°C / +105°C Temperature range cable fixed from/to Halogen free -5°C / +105°C No

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Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre. To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).