Product data sheet

Automation technology - sensors and actuators



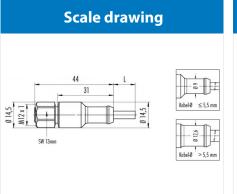
Product description M12-A female cable connector, Contacts: 3, not shielded, moulded on cable, IP69K, Ecolab, FDA compliant, Standard cable,

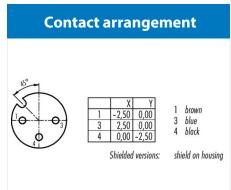
PP grey, 3 x 0.34 mm²

Area M12-A series 763

Order number 77 3730 0000 40403-0200







Technical data

General values

Connector design female cable connector Connector locking system screw Termination moulded on cable 0.34 mm² Wire gauge (mm) Wire gauge (AWG) 22 Upper limit temperature 105°C Lower limit temperature - 40 °C Customs tariff number 85444290

Cable data

Cable length 2 m Sheath material PP Single-lead insulation PVC Single-lead structure 42 x 0,1 mm Cable diameter 4.5 mm Conductor resistance 57 Ω/Km Temperature range, moving cable, °C from - 5 °C 105 °C Temperature range, moving cable, °C to Temperature range, fixed cable, °C from -40 °C Temperature range, fixed cable, °C to 105 °C Bending radius, fixed cable $\geq 5 \times \emptyset$ Bending radius, moving cable $\geq 10 \times \emptyset$ Approval 1 Ecolab Approval 2 FDA compliant UL style 1 AWM2517

Electrical values

Rated current (40 °C) 4 A Rated voltage 250 V Rated impulse voltage 2500 V Pollution degree 3 Overvoltage category Ш Insulating material group Ш $\geq 10^{10}\,\Omega$ Insulation resistance EMC compliance not shielded Degree of protection IP69K IP67 Degree of protection 2 IP67 Mechanical operation > 100 Mating cycles

Material

Contact material CuZn (brass)
Contact plating Au (gold)
Contact body material PP
Housing material PP

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Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

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 used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

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).