Product data sheet

Automation technology - sensors and actuators



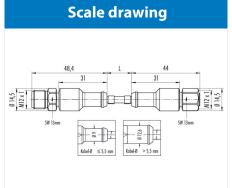
Product description M12-A connecting cord for food and beverage industry, Contacts: 4, not shielded, moulded on cable, IP69K, Ecolab, FDA

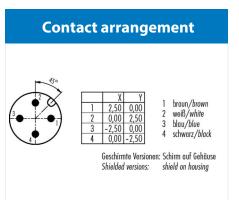
compliant, Standard cable, PP grey, 4 x 0.34 mm²

M12-A series 763 Area

Order number 77 3730 3729 40404-0500







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

connecting cord for food and beverage industry

screw

moulded on cable

0.34 mm² 22

105 °C

– 40 °C

85444290

Cable data

Cable length Sheath material Single-lead insulation Single-lead structure Cable diameter Conductor resistance

Temperature range, moving cable, °C from Temperature range, moving cable, °C to Temperature range, fixed cable, °C from Temperature range, fixed cable, °C to

Bending radius, fixed cable Bending radius, moving cable Approval 1

Approval 2 UL style 1

5 m PP PVC

42 x 0,1 mm 4.8 mm 57 Ω/Km - 5 °C

105 °C -40 °C 105°C

 \geq 5 x Ø $\geq 10 \times \emptyset$ Ecolab

FDA compliant AWM2517

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

Degree of protection 2 Mechanical operation

Material

Contact material

Contact plating Contact body material Housing material

4 A 250 V 2500 V 3 Ш Ш

 $\geq 10^{10}\,\Omega$ not shielded IP69K IP67 IP67

> 100 Mating cycles

Pin: CuZn (brass) / Socket: CuSn

(bronze) Au (gold) 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).