Product data sheet

Automation technology - sensors and actuators



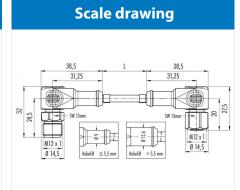
Product description M12-A connecting cord for food and beverage industry, Contacts: 5, not shielded, moulded on cable, IP69K, Ecolab, FDA

compliant, M12x1, Standard cable, PP grey, 5 x 0.34 mm²

Area M12-A series 763

Order number 77 3734 3727 40405-0200

Illustration



Contact arrangement



		X	Υ
	1	2,50	0,00
	2	0,00	2,50
	3	-2,50	0,00
	4	0,00	-2,50
Г	5	0,00	0,00

- braun/brown weiß/white
- 3 blau/blue 4 schwarz/black 5 grau/grey

Geschirmte Versionen: Schirm auf Gehäuse Shielded versions: shield on housing

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 fron 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 2 m PP PVC $42 \times 0,1 \text{ mm}$ 4.8 mm $57 \Omega/\text{Km}$ $-5 ^{\circ}\text{C}$ $105 ^{\circ}\text{C}$ $-40 ^{\circ}\text{C}$ $105 ^{\circ}\text{C}$ $\geq 5 \times \emptyset$ $\geq 10 \times \emptyset$ 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 2 Mechanical operation

Degree of protection

Material

Contact material

Contact plating Contact body material Housing material 4 A
60 V
1500 V
3
II
II
≥ 10^{10} Ω

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

> 100 Mating cycles

Pin: CuZn (brass) / Socket: CuSn (bronze)

Au (gold) PP PP

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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).