#### **Product data sheet**

# Automation technology - sensors and actuators



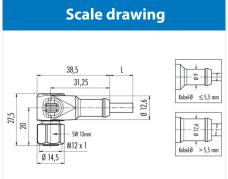
Product description M12-A female angled connector, Contacts: 12, not shielded, moulded on cable, IP69K, Ecolab, FDA compliant, Standard

cable, PVC grey, 12 x 0.25 mm<sup>2</sup>

Area M12-A series 763

Order number 77 3734 0000 40912-0500





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# Technical data

### **General values**

Connector design female angled connector Connector locking system screw Termination moulded on cable 0.25 mm<sup>2</sup> Wire gauge (mm) Wire gauge (AWG) 24 105 °C Upper limit temperature Lower limit temperature - 40 °C Customs tariff number 85444290

#### **Cable data**

Cable length 5 m PVC Sheath material Single-lead insulation PVC Single-lead structure 32 x 0,1 mm Cable diameter 6.6 mm Conductor resistance 75 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) 1.5 A Rated voltage 30 V Rated impulse voltage 800 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 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).