Product data sheet

Automation technology - sensors and actuators

binder

Product description	**M12-A cable connector, Contacts: 12, not shielded, moulded on cable, IP69K, Ecolab, FDA compliant, PP grey, 12 x 0.25 mm²**
Area	**M12-A series 763**
Order number	**77 3729 0000 40912-0500**

Technical data

General values

Connector design	cable connector
Connector locking system	screw
Termination	moulded on cable
Wire gauge (mm)	0.25 mm²
Wire gauge (AWG)	24
Upper limit temperature	105 °C
Lower limit temperature	– 40 °C
Customs tariff number	85444290

Cable data

Cable length	5 m
Sheath material	PP
Conductor resistance	75 Ω/Km
Bending radius, fixed cable	≥ 7.5 x Ø
Approval 1	Ecolab
Approval 2	FDA compliant

Electrical values

Rated current (40 °C)	1.5 A
Rated voltage	30 V
Rated impulse voltage	800 V
Pollution degree	3
Overvoltage category	II
Insulating material group	II
Insulation resistance	≥ 10^{10} Ω
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).