

Product description	M12-A female angled connector, Contacts: 3, unshielded, moulded on cable, IP69K, UL listed, Ecolab, PVC grey, 3 x 0.34 mm², stainless steel
Area	M12-A series 763
Order number	77 3734 0000 20403-0200

Illustration	Scale drawing	Contact arrangement (Plug-in side)
		<div style="margin-left: 20px;"> <p>1 brown</p> <p>2 not assembled</p> <p>3 blue</p> <p>4 black</p> </div>

Technical data

General values

Connector design	female angled connector
Connector locking system	screw
Termination	moulded on cable
Wire gauge (mm)	0.34 mm ²
Wire gauge (AWG)	AWG 22
Upper limit temperature	105 °C
Lower limit temperature	-40 °C
Customs tariff number	85444290

Cable data

Cable length	2 m
Sheath material	PVC
Single-lead insulation	PVC
Halogen free	No
Single-lead structure	42x0.1 mm
Cable diameter	4.5 mm
Cable color	grey
Conductor resistance	57
Temperature range, moving cable, °C from	-55 °C
Temperature range, moving cable, °C to	+105 °C
Temperature range, fixed cable, °C from	-40 °C
Temperature range, fixed cable, °C to	+105 °C
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
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	II
Insulating material group	II
Insulation resistance	≥ 10 ¹⁰ Ω
EMC compliance	unshielded
Degree of protection	IP69K IP67
Mechanical operation	> 100 Mating cycles

Material

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

authorization/approvals

Approval 1	UL listed
Approval 2	Ecolab

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Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre. To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).