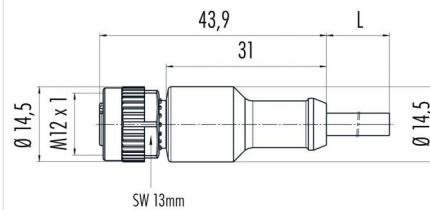


Product description	M12-A female cable connector, Contacts: 4, unshielded, moulded on cable, IP68, UL listed, PUR black, 4 x 0.34 mm ² , for welding applications
Area	M12-A series 763
Order number	77 3430 0000 80204-0500

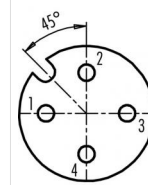
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 brown
- 2 white
- 3 blue
- 4 black

Shielded versions: shield = housing

Technical data

General values

Connector design	female cable connector
Connector locking system	screw
Termination	moulded on cable
Wire gauge (mm)	0.34 mm ²
Wire gauge (AWG)	AWG 22
Upper limit temperature	85 °C
Lower limit temperature	-25 °C
Customs tariff number	85444290

Cable data

Cable length	5 m
Sheath material	PUR
Single-lead insulation	PP9Y
Halogen free	Yes
Single-lead structure	42x0,1 mm
Cable diameter	4.3 mm
Cable color	black
Conductor resistance	60
Temperature range, moving cable, °C from -25°C	
Temperature range, moving cable, °C to +90°C	
Temperature range, fixed cable, °C from -50°C	
Temperature range, fixed cable, °C to +90°C	
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
UL style 1	AWM20549

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	IP68
Mechanical operation	> 100 Mating cycles

Material

Contact material	CuSn (bronze)
Contact plating	Au (gold)
Contact body material	PUR
Housing material	PUR
Locking material	Zinc die-cast nickel-plated

authorization/approvals

Approval 1	UL listed
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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.

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).