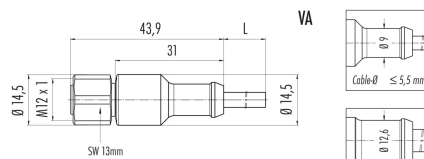


Product description	M12-A female cable connector, Contacts: 3, unshielded, moulded cable, IP69K, UL listed, PUR black, 3 x 0.34 mm ² , stainless steel, 2 m
Area	M12-A series 763
Part no.	77 3730 0000 50003-0200

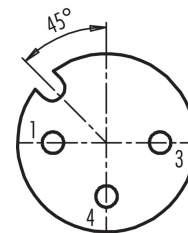
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 brown
- 2 not assembled
- 3 blue
- 4 black

Technical data

General features

Part no.	77 3730 0000 50003-0200 Alternative part no.: 79 3430 52 04
Notice	Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.
Connector design	female cable connector
Cable length	2 m
Version	connector female straight
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP69K
Cross-sectional area	0.34 mm ² / AWG 22
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	61
Customs tariff number	85444290

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current (40 °C)	4 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Overvoltage category	II

Product data sheet

Automation technology - sensors and actuators



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Insulating material group	II
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	stainless steel
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Authorization/approvals

Approvals	UL listed
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Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60529:1991;EN 60204-1:2018)
RoHS Directive	2011/65/EU (EN 50581:2012)

Cable data - Structure of the cable

Cable diameter	4.3 mm
Cross section	3 x 0.34 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	43 x 0.10 mm mm
Cable color	black

Cable data - Electrical properties

Conductor resistance	60 Ω/Km (20°C)
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Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>5 million
Permitted acceleration	≥ 5 m/s ²
Travel distance, horizontal	≥ 5 m
Travel distance, vertical	≥ 5 m
Travel speed	≤ 3.33 m/s



Product data sheet

Automation technology - sensors and actuators



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Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 80 °C
Temperature range cable fixed from/to	-50 °C / 80 °C

Cable data - Other features

Halogen free	Yes
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Product description	M12-A female cable connector, Contacts: 3, unshielded, moulded cable, IP69K, UL listed, PUR black, 3 x 0.34 mm², stainless steel, 2 m
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Part no.	77 3730 0000 50003-0200

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.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

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).