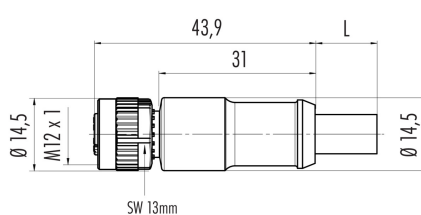


Product description	M12-A female cable connector, Contacts: 5, shielded, moulded cable, IP67, UL listed, CAN-Bus, PUR purple, 1 x 2 x AWG22 + 1 x 2 x AWG24, 2 m
Area	M12-A series 763
Part no.	77 2530 0000 50705-0200

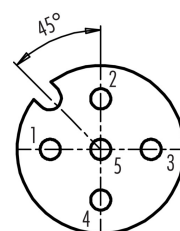
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 shield
- 2 red (AWG22)
- 3 black (AWG22)
- 4 white (AWG24)
- 5 blue (AWG24)

Technical data

General features

Part no.	77 2530 0000 50705-0200
Connector design	female cable connector
Cable length	2 m
Version	connector female straight
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP67
Cross-sectional area	1x2x AWG 22 / 1x2x AWG 24
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	159
Customs tariff number	85444290

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current (40 °C)	4 A
Insulation resistance	$\geq 10^{10} \Omega$
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded
Shield connection	Shield on pin 1

Product data sheet

Automation technology - sensors and actuators



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Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (Brass nickel plated)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	0ed1d68d-2444-416c-8f2b-5f5d5f10677b

Authorization/approvals

Approvals	UL listed
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Classifications

eCl@ss 11.1	27-06-03-11
ETIM 7.0	EC001855

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 type	CAN-Bus
Cable diameter	7.2 mm
Cross section	1 x 2 x AWG22 + 1 x 2 x AWG24
Sheath material	PUR
Single-lead insulation	Polyolefins and skin-foamed PE
Single-lead structure	19 x 0.16 mm / 19 x 0.13 mm mm
Cable color	purple

Cable data - Mechanical properties

Bending radius, fixed cable	5 x Ø
Bending radius, moving cable	10 x Ø
Bending cycles	1 million
Permitted acceleration	max. 5 m/s ²

Cable data - Thermal properties

Temperature range cable in move from/to	-20 °C / 80 °C
Temperature range cable fixed from/to	-40 °C / 80 °C



Product data sheet

Automation technology - sensors and actuators



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Cable data - Other features

Halogen free	Yes
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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.

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).