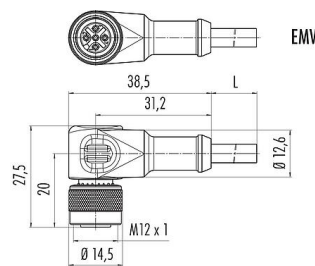


Product description	<b>M12-A Female angled connector, Contacts: 5, shielded, moulded on the cable, IP67, UL, PUR, 5 x 0.25 mm<sup>2</sup>, 2 m</b>
Area	<b>M12-A series 763</b>
Part no.	<b>77 3534 0000 50705-0200</b>

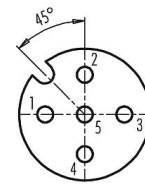
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



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

Shielded versions: shield = housing

## Technical data

### General features

Part no.	<b>77 3534 0000 50705-0200</b>
Notice	Alternative part no.: 79 3544 32 05 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 angled connector
Cable length	2 m
Version	Connector socket angled
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.25 mm <sup>2</sup> / AWG 24
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	195.00
Customs tariff number	85444290

### Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current (40 °C)	4.0 A
Insulation resistance	$\geq 10^{10} \Omega$
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded
Shield connection	Shield on the threaded ring

# Product data sheet

## Automation technology - sensors and actuators



Product description	<b>M12-A Female angled connector, Contacts: 5, shielded, moulded on the cable, IP67, UL, PUR, 5 x 0.25 mm<sup>2</sup>, 2 m</b>
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### Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	d88596d4-545f-4313-9a18-67c27bde7390

### Authorization/approvals

Approvals	UL
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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 diameter	4.8 mm
Cross section	5 x 0.25 mm <sup>2</sup>
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	32 x 0.10 mm

### Cable data - Electrical properties

Conductor resistance	79 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	> 2 million
Permitted acceleration	5 m/s <sup>2</sup>
Travel distance, horizontal	5 m/s <sup>2</sup> -> 5 m
Travel distance, vertical	5 m/s <sup>2</sup> -> 2 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

### Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 90 °C
Temperature range cable fixed from/to	-50 °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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### General Disclaim Notice

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 IP67 and IP68 are not suitable for use under water. 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).