

Product description	M12-A female angled connector, Contacts: 4, shielded, moulded on cable, IP67, UL listed, PUR black, 4 x 0.34 mm <sup>2</sup>
Area	M12-A series 763
Order number	77 3534 0000 50704-0500

Illustration	Scale drawing	Contact arrangement (Plug-in side)

## Technical data

### General features

Order number	77 3534 0000 50704-0500
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 angled connector
Cable length	5 m
Version	connector female angled screw moulded on cable
Connector locking system	IP67
Termination	0.34 mm <sup>2</sup> / AWG 22
Degree of protection	-25 °C / 90 °C
Cross-sectional area	> 100 Mating cycles
Temperature range from/to	88
Mechanical operation	85444290
Weight (g)	
Customs tariff number	

### Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current (40 °C)	4 A
Insulation resistance	≥ 10 <sup>10</sup> Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded
Shield connection	Shield on the threaded ring

### 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)

### 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)

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### Cable data

Cable diameter	4.7 mm
Cross section	4 x 0.34 mm <sup>2</sup>
Sheath material	PUR
Single-lead insulation	PP9Y
Single-lead structure	42x0,1 mm
Cable color	black
Conductor resistance	60
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>2Mio.
Permitted acceleration	5 m/s <sup>2</sup> +1 m/s <sup>2</sup>
Travel distance, horizontal	5 m/sec <sup>2</sup> -> 5m
Travel distance, vertical	5 m/sec <sup>2</sup> -> 2m
Travel speed	≤ 200 m/min (5 m horizontal distance)
Temperature range cable in move from/to	-30°C / +90°C
Temperature range cable fixed from/to	-50°C / +90°C
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.

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).