

Product description	M8 female angled connector, Contacts: 3, unshielded, moulded on cable, IP67, UL listed, PVC grey, 3 x 0.34 mm <sup>2</sup>
Area	M8 series 718
Order number	77 3408 0000 20003-0500

Illustration	Scale drawing	Contact arrangement (Plug-in side)						
		<table style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td> <td>brown</td> </tr> <tr> <td>3</td> <td>blue</td> </tr> <tr> <td>4</td> <td>black</td> </tr> </table>	1	brown	3	blue	4	black
1	brown							
3	blue							
4	black							

## Technical data

### General features

Order number	77 3408 0000 20003-0500
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
Connector locking system	moulded on cable
Termination	IP67
Degree of protection	0.34 mm <sup>2</sup> / AWG 22
Cross-sectional area	-25 °C / 85 °C
Temperature range from/to	> 100 Mating cycles
Mechanical operation	157
Weight (g)	85444290
Customs tariff number	

### Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)

### Authorization/approvals

Approval 1	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)

### Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current (40 °C)	4 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

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### Cable data

Cable diameter	4.5 mm
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	42x0.1 mm
Cable color	grey
Conductor resistance	57
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>2Mio.
Permitted acceleration	max. 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> -> 5m
Travel speed	≤ 200 m/min (5 m horizontal distance)
Temperature range cable in move from/to	-5°C / +105°C
Temperature range cable fixed from/to	-40°C / +105°C
Halogen free	No

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## Security notices

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. 50 cNm).