

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Product description | M8 female angled connector, Contacts: 4, unshielded, moulded on cable, IP67, UL listed, PVC grey, 4 x 0.34 mm² |
| Area | M8 series 718 |
| Order number | 77 3408 0000 20004-0500 |

| Illustration | Scale drawing | Contact arrangement (Plug-in side) | | | | | | | | |
|--------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------|---|--------------|---|-------------|---|--------------|
| | | <table border="0" style="margin-left: 20px;"> <tr> <td>1</td> <td><i>brown</i></td> </tr> <tr> <td>2</td> <td><i>white</i></td> </tr> <tr> <td>3</td> <td><i>blue</i></td> </tr> <tr> <td>4</td> <td><i>black</i></td> </tr> </table> | 1 | <i>brown</i> | 2 | <i>white</i> | 3 | <i>blue</i> | 4 | <i>black</i> |
| 1 | <i>brown</i> | | | | | | | | | |
| 2 | <i>white</i> | | | | | | | | | |
| 3 | <i>blue</i> | | | | | | | | | |
| 4 | <i>black</i> | | | | | | | | | |

Technical data

General features

| | |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order number | 77 3408 0000 20004-0500 |
| 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 ² / AWG 22 |
| Cross-sectional area | -25 °C / 85 °C |
| Temperature range from/to | > 100 Mating cycles |
| Mechanical operation | 76 |
| Weight (g) | 85444290 |
| Customs tariff number | |

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 |

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 |
|------------|-----------|

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 | 4.8 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 ² +1 m/s ² |
| Travel distance, horizontal | 5 m/sec ² -> 5m |
| Travel distance, vertical | 5 m/sec ² -> 2m |
| 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).