

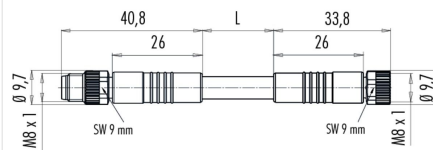
Product description **M8 female to male cable connector, Contacts: 6, not shielded, molded on cable, IP67, UL listed, Standard cable, PUR, TPU**  
**11YH1, halogen free, flame retardant black, 6 x 0.25 mm<sup>2</sup>**

Area  
 Order number **M8 series 718**  
**77 3406 3405 50006-XXXX**

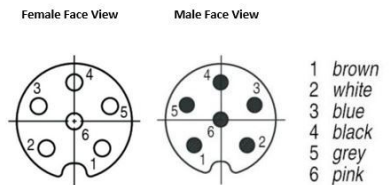
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



## Technical data

### General values

|                          |                                                                                                                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 cable connector                                                                                                                                                                                                               |
| Connector locking system | screw                                                                                                                                                                                                                                |
| Termination              | moulded on cable                                                                                                                                                                                                                     |
| Wire gauge (mm)          | 0.25 mm <sup>2</sup>                                                                                                                                                                                                                 |
| Wire gauge (AWG)         | 24                                                                                                                                                                                                                                   |
| Upper limit temperature  | 85 °C                                                                                                                                                                                                                                |
| Lower limit temperature  | -25 °C                                                                                                                                                                                                                               |
| Customs tariff number    | 85444290                                                                                                                                                                                                                             |
| Packaging Unit           | 1                                                                                                                                                                                                                                    |

### Electrical values

|                           |                     |
|---------------------------|---------------------|
| Rated current (40 °C)     | 4 A                 |
| Rated voltage             | 30V                 |
| Rated impulse voltage     | 800 V               |
| Pollution degree          | 3                   |
| Overvoltage category      | II                  |
| Insulating material group | II                  |
| EMC compliance            | not shielded        |
| Degree of protection      | IP67                |
| Mechanical operation      | > 100 Mating cycles |

### Material

|                       |                             |
|-----------------------|-----------------------------|
| Contact material      | CuZn (brass)                |
| Contact plating       | Au (gold)                   |
| Contact body material | PUR                         |
| Housing material      | PUR                         |
| Locking material      | Zinc die-cast nickel-plated |

|                     |                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| Area                | <b>M8 series 718</b>                                                                                                                                                                                |
| Order number        | <b>77 3406 3405 50006-XXXX</b>                                                                                                                                                                      |

## Technical data

### Cable data

|                                                |                                                  |
|------------------------------------------------|--------------------------------------------------|
| Cable length                                   | m                                                |
| Sheath material                                | PUR, TPU 11YH1, halogen free,<br>flame retardant |
| Single-lead insulation                         | PP9Y halogenfree                                 |
| Halogen free                                   | Yes                                              |
| Single-lead structure                          | 32x0,1 mm                                        |
| Cable diameter                                 | 5 mm                                             |
| Cable color                                    | black                                            |
| Conductor resistance                           | 79 Ω/Km                                          |
| Temperature range, moving cable, °C from -25°C |                                                  |
| Temperature range, moving cable, °C to +80°C   |                                                  |
| Temperature range, fixed cable, °C from -50°C  |                                                  |
| Temperature range, fixed cable, °C to +80°C    |                                                  |
| Bending radius, fixed cable                    | ≥ 5 x Ø                                          |
| Bending radius, moving cable                   | ≥ 10 x Ø                                         |
| Approval 1                                     | UL listed                                        |
| UL style 1                                     | AWM20549                                         |

|                     |                                                                                                                                                                                                     |
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| Area                | <b>M8 series 718</b>                                                                                                                                                                                |
| Order number        | <b>77 3406 3405 50006-XXXX</b>                                                                                                                                                                      |

## Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).