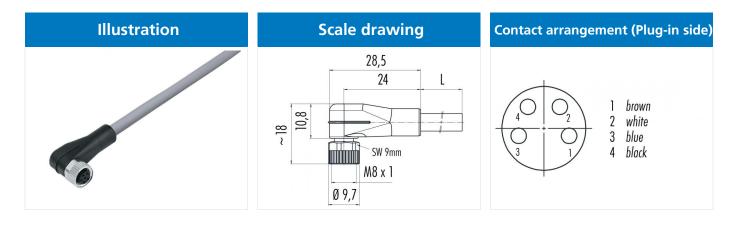
## Product data sheet Automation technology - sensors and actuators



Product description

M8 female angled connector, Contacts: 4, unshielded, moulded on cable, IP67, UL listed, PVC grey, 4 x 0.34 mm<sup>2</sup>

Area Order number M8 series 718 77 3408 0000 20004-0500



## **Technical data**

#### **General features**

#### Order number

Notice

Connector design

Cable length Version

Connector locking system Termination Degree of protection Cross-sectional area Temperature range from/to Mechanical operation Weight (g) Customs tariff number

#### **Electrical parameters**

Rated voltage Rated impulse voltage Rated current (40 °C) Pollution degree Overvoltage category Insulating material group EMC compliance 77 3408 0000 20004-0500 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. female angled connector 5 m connector female angled screw moulded on cable **IP67** 0.34 mm<sup>2</sup> / AWG 22 -25 °C / 85 °C > 100 Mating cycles 76 85444290

60 V

4 A

3

П

Ш

1500 V

unshielded

#### **Material**

Housing material Contact body material Contact material Contact plating Locking material

REACH SVHC

#### Authorization/approvals

Approval 1

UL listed

PUR

PUR

CuZn (brass)

CAS 7439-92-1 (Lead)

Au (gold) Zinc die-cast nickel-

plated

#### Classifications

eCl@ss 11.1 ETIM 7.0 27-06-03-11 EC001855

**Declarations of conformity** 

Low Voltage Directive

**RoHS** Directive

2014/35/EU (EN 60529:1991;EN 60204-1:2018) 2011/65/EU (EN 50581:2012)



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# Technical data

#### 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 <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 | -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).

