# Product data sheet

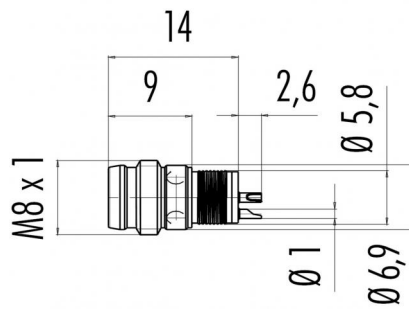## Automation technology - sensors and actuators

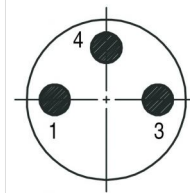| | |
|---|---|
| Product description | **M8 integrated plug, Contacts: 3, not shielded, solder, IP65** |
| Area | **M8 series 718** |
| Order number | **86 6919 0002 32703** |

| Illustration | Scale drawing | Contact arrangement (Plug-in side) |
|---|---|---|



| | X | Y |
|---|---|---|
| 1 | −1,75 | 0,00 |
| 2 | − | − |
| 3 | 1,75 | 0,00 |
| 4 | 0,00 | 1,75 |

**You can find the assembly instructions on the next page.**

# 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 | integrated plug |
| Connector locking system | snap |
| Termination | solder |
| Wire gauge (mm) | 0.25 mm² |
| Wire gauge (AWG) | 24 |
| Upper limit temperature | 70 °C |
| Lower limit temperature | – 40 °C |
| Customs tariff number | 85369010 |
| Packaging Unit | 100 |

## Electrical values

| | |
|---|---|
| Rated current (40 °C) | 4 A |
| Rated voltage | 30 V |
| Rated impulse voltage | 1500 V |
| Pollution degree | 3 |
| Overvoltage category | II |
| Insulating material group | II |
| EMC compliance | not shielded |
| Degree of protection | IP65 |
| Mechanical operation | > 100 Mating cycles |

## Material

| | |
|---|---|
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| Contact body material | PA |
| Housing material | CuZn (Brass nickel plated) |
| REACH SVHC | CAS 7439-92-1 (Lead) |

# Product data sheet

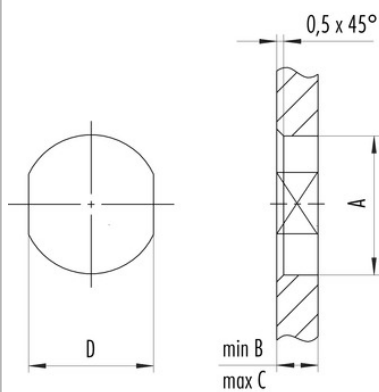## Automation technology - sensors and actuators

| | |
|---|---|
| Product description | **M8 integrated plug, Contacts: 3, not shielded, solder, IP65** |
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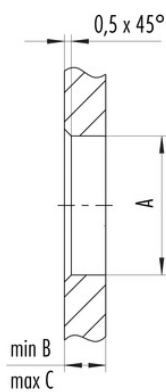## Assembly instructions / Panel cut-out
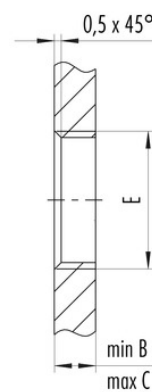


1st Installation proposal

With flats as anti-rotation device

2nd Installation proposal

With bore hole

3rd Installation proposal

With thread to screw in

0,5 x 45°

| thread E | A | B | C | D |
|---|---|---|---|---|
| M8 x 0,5 | 8,1 | 2,5 | 3,5 | 7,1 |
| M8 x 1 | 8,1 | 2,5 | 3,5 | 7,1 |
| M10 x 0,75 | 10,1 | 2,5 | 5,0 | 9,1 |

Tightening torque    1 Nm

| | |
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## 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.