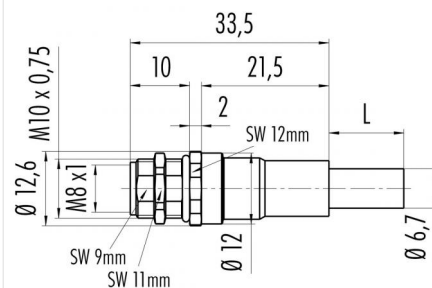


|                     |  |
|---------------------|--|
| Product description | M8 female panel mount connector, Contacts: 4, shielded, cable, IP67, PUR green, 3 x 2 x 0.14 mm <sup>2</sup> |
| Area                | M8 series 718  |
| Order number        | 70 3420 005 04   |

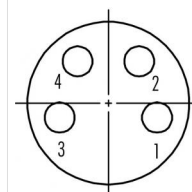
## Illustration



## Scale drawing



## Contact arrangement (Plug-in side)



- 1 yellow
- 2 white
- 3 blue
- 4 orange

Shielding sleeve = shield

You can find the assembly instructions on the next page.

## Technical data

### General values

|                          |                              |
|--------------------------|------------------------------|
| Connector design         | female panel mount connector |
| Connector locking system | screw                        |
| Termination              | cable                        |
| Wire gauge (mm)          | 0.34 mm <sup>2</sup>         |
| Wire gauge (AWG)         | AWG 22                       |
| Upper limit temperature  | 80 °C                        |
| Lower limit temperature  | -40 °C                       |
| Customs tariff number    | 85444290                     |

### Electrical values

|                           |                     |
|---------------------------|---------------------|
| Rated current (40 °C)     | 4 A                 |
| Rated voltage             | 30 V                |
| Rated impulse voltage     | 800 V               |
| Pollution degree          | 3                   |
| Overvoltage category      | II                  |
| Insulating material group | II                  |
| EMC compliance            | shielded            |
| Degree of protection      | IP67                |
| Mechanical operation      | > 100 Mating cycles |

### Cable data

|   |                   |
|---|-------------------|
| Cable length                                    | 0,5 m             |
| Sheath material                                 | PUR               |
| Single-lead insulation                          | Polyolefin        |
| Halogen free                                    | Yes               |
| Single-lead structure                           | 7x0,34 (AWG22) mm |
| Cable color                                     | green             |
| Conductor resistance                            | 55Ω/Km            |
| Temperature range, moving cable, °C from -40 °C |                   |
| Temperature range, moving cable, °C to 60 °C    |                   |
| Temperature range, fixed cable, °C from -40 °C  |                   |
| Temperature range, fixed cable, °C to 80 °C     |                   |
| Bending radius, fixed cable                     | ≥ 5 x Ø           |
| Bending radius, moving cable                    | ≥ 15 x Ø          |
| UL style 1                                      | AWM20236          |

### Material

|                       |                             |
|-----------------------|-----------------------------|
| Contact material      | CuSn (bronze)               |
| Contact plating       | Au (gold)                   |
| Contact body material | PA                          |
| Housing material      | Zinc die-cast nickel-plated |
| REACH SVHC            | CAS 7439-92-1 (Lead)        |

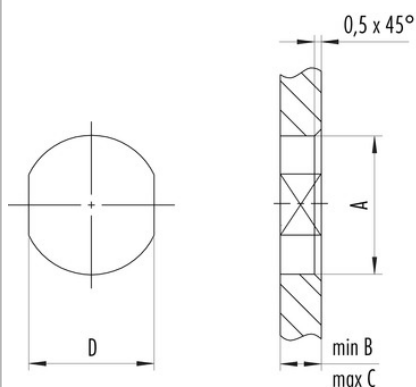
Product description M8 female panel mount connector, Contacts: 4, shielded, cable, IP67, PUR green, 3 x 2 x 0.14 mm<sup>2</sup>

Area M8 series 718  
Order number 70 3420 005 04

## Assembly instructions / Panel cut-out

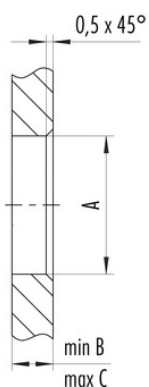
### 1. Einbauvorschlag

Mit Fläche als Verdrehschutz



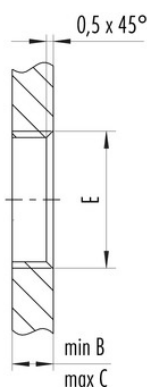
### 2. Einbauvorschlag

Mit Durchgangsbohrung



### 3. Einbauvorschlag

Mit Gewinde, einschraubbar



| Gewinde E  | A    | B   | C   | D    |
|------------|------|-----|-----|------|
| M8 x 1     | 8,1  | 2,0 | 3,5 | 7,1  |
| M10 x 0,75 | 10,1 | 2,0 | 6,5 | 9,1  |
| M12 x 1    | 12,1 | 2,5 | 4,5 | 10,0 |

Anzugsdrehmoment 1 Nm

|                     |  |
|---------------------|--|
| Product description | M8 female panel mount connector, Contacts: 4, shielded, cable, IP67, PUR green, 3 x 2 x 0.14 mm <sup>2</sup> |
| Area                | M8 series 718  |
| Order number        | 70 3420 005 04   |

## 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.