

# Product data sheet

## Power connectors

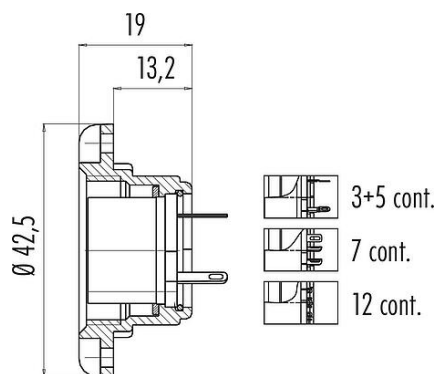


|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Product description | M25 Female panel mount connector, Contacts: 12, shieldable, solder, IP40, Front mounting |
| Area                | M25                                                                                      |
| Series              | 691                                                                                      |
| Part no.            | 09 0448 00 12                                                                            |

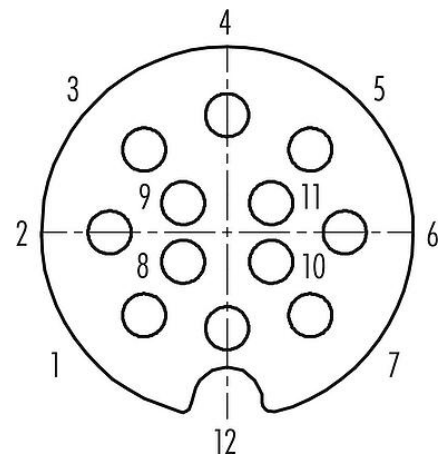
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

### Technical data

#### General features

|                           |                               |
|---------------------------|-------------------------------|
| Part no.                  | 09 0448 00 12                 |
| Connector design          | Female panel mount connector  |
| Version                   | Connector socket straight     |
| Connector locking system  | screw                         |
| Termination               | solder                        |
| Degree of protection      | IP40                          |
| Connection cross-section  | 0.75 mm <sup>2</sup> / AWG 18 |
| Temperature range from/to | -40 °C / 85 °C                |
| Mechanical operation      | > 500 Mating cycles           |
| Weight (g)                | 36.95                         |
| Customs tariff number     | 85369010                      |
| Country of Origin         | DE                            |

#### Electrical parameters

|                           |                      |
|---------------------------|----------------------|
| Rated voltage             | 125 V                |
| Rated impulse voltage     | 1500 V               |
| Rated current             | 5.0 A                |
| Insulation resistance     | ≥ 10 <sup>10</sup> Ω |
| Pollution degree          | 1                    |
| Overvoltage category      | II                   |
| Insulating material group | III                  |
| EMC compliance            | shieldable           |

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| Part no.            | 09 0448 00 12                                                                            |

|                   |                       |
|-------------------|-----------------------|
| Shield connection | Shield on the housing |
|-------------------|-----------------------|

Material

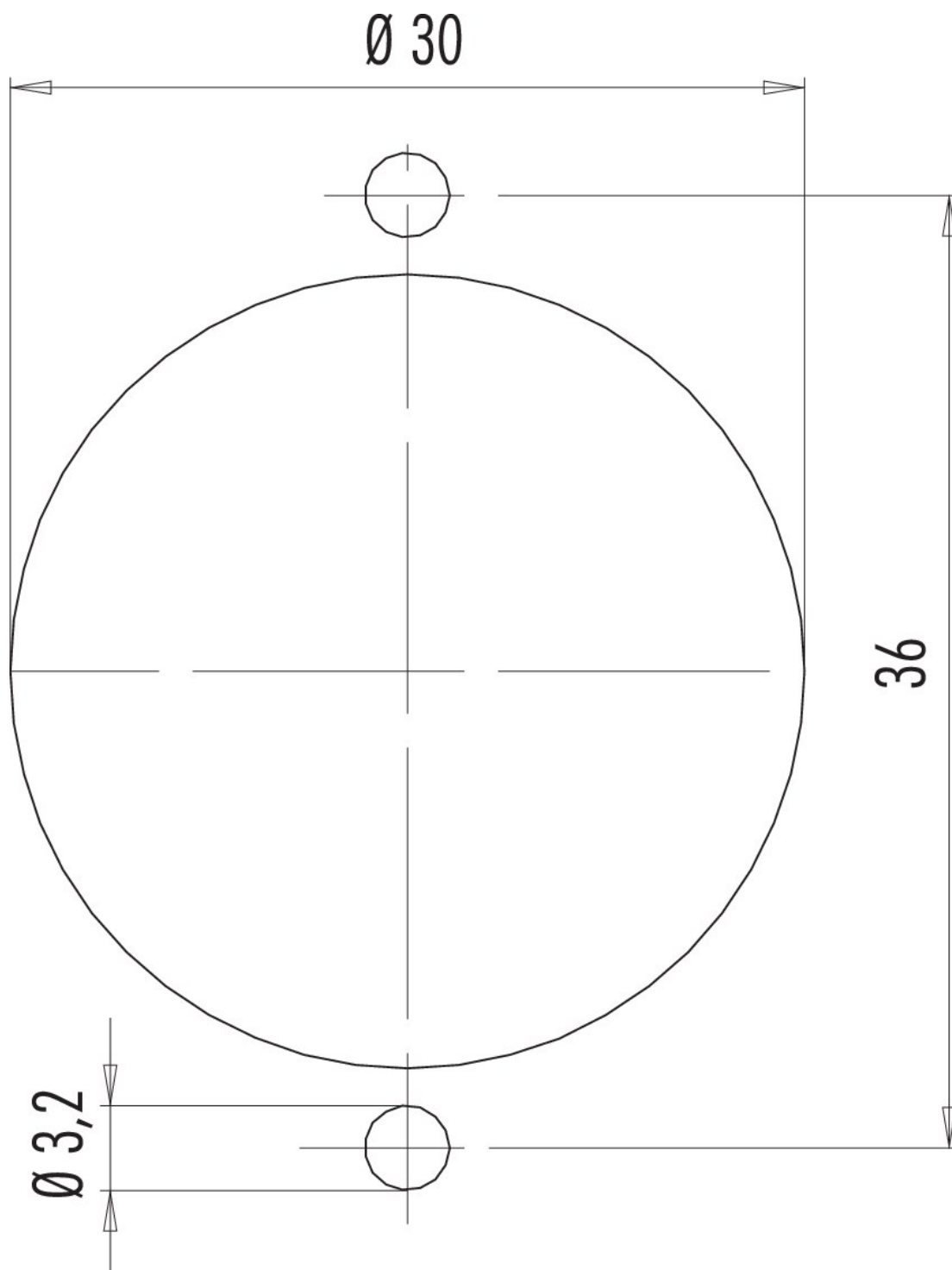
|                       |                           |
|-----------------------|---------------------------|
| Housing material      | GD-AL eloxiert            |
| Contact body material | PET (UL94 V-0)            |
| Contact material      | CuSn (bronze)             |
| Contact plating       | Ag (silver)               |
| REACH SVHC            | None (No pollutants)      |
| SCIP number           | SCIP-number not available |

Classifications

|             |             |
|-------------|-------------|
| eCl@ss 11.1 | 27-44-01-09 |
| ETIM 9.0    | EC003569    |

|                     |                                                                                          |
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### Assembly instructions / Panel cut-out



|                     |                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------|
| Product description | <b>M25 Female panel mount connector, Contacts: 12, shieldable, solder, IP40, Front mounting</b> |
| Area                | <b>M25</b>                                                                                      |
| Series              | <b>691</b>                                                                                      |
| Part no.            | <b>09 0448 00 12</b>                                                                            |

## Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

To lock the cable connector to the device connector, we recommend tightening the threaded ring to 1.25 Nm. A suitable torque wrench is available as an accessory (order no. 07 0082 000).