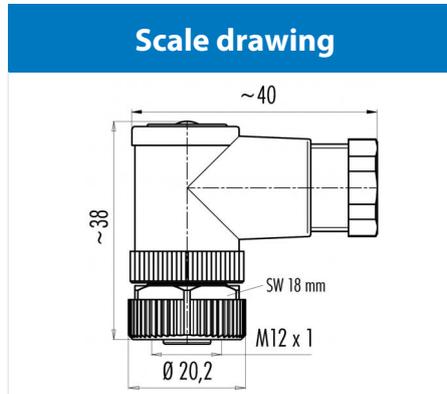


|         |   |                |                         |
|---------|---|----------------|-------------------------|
| Product | <b>Contacts: 12, Female angled connector, metal lock, solder connection, with offset soldering surfaces, with UL approval</b> | Area           | <b>M12-A Series 713</b> |
| Pole    | <b>12</b>   | Article number | <b>99 0492 52 12</b>    |



**Contact Arrangement**

|    | X     | Y     |
|----|-------|-------|
| 1  | -2,80 | 0,78  |
| 2  | -0,78 | 2,80  |
| 3  | 1,09  | 2,69  |
| 4  | 2,51  | 1,46  |
| 5  | 2,88  | -0,37 |
| 6  | 2,05  | -2,05 |
| 7  | 0,37  | -2,88 |
| 8  | -1,46 | -2,51 |
| 9  | -2,69 | -1,09 |
| 10 | -0,78 | 0,78  |
| 11 | 1,06  | 0,29  |
| 12 | -0,29 | -1,06 |

You can find the item description and assembly instruction on the next page.

## Technical data

### Common values

|                          |                         |
|--------------------------|-------------------------|
| Connector Design         | Female angled connector |
| Connector locking system | screw                   |
| Termination              | Solder                  |
| Wire gauge (mm)          | 0.25 mm <sup>2</sup>    |
| Wire gauge (AWG)         | 24                      |
| Cable outlet             | 6 - 8 mm                |
| Upper temperature        | 85 °C                   |
| Lower temperature        | -40 °C                  |

### Electrical values

|                       |                     |
|-----------------------|---------------------|
| Rated voltage         | 30 V                |
| Rated impulse voltage | 500 V               |
| Pollution degree      | 3                   |
| Overvoltage category  | II                  |
| Material group        | II                  |
| Rated current (40°C)  | 2 A                 |
| Volume resistivity    | ≤ 3 mΩ              |
| EMV compliance        | nicht geschirmt     |
| Degree of protection  | IP67                |
| Mechanical operation  | > 100 mating cycles |

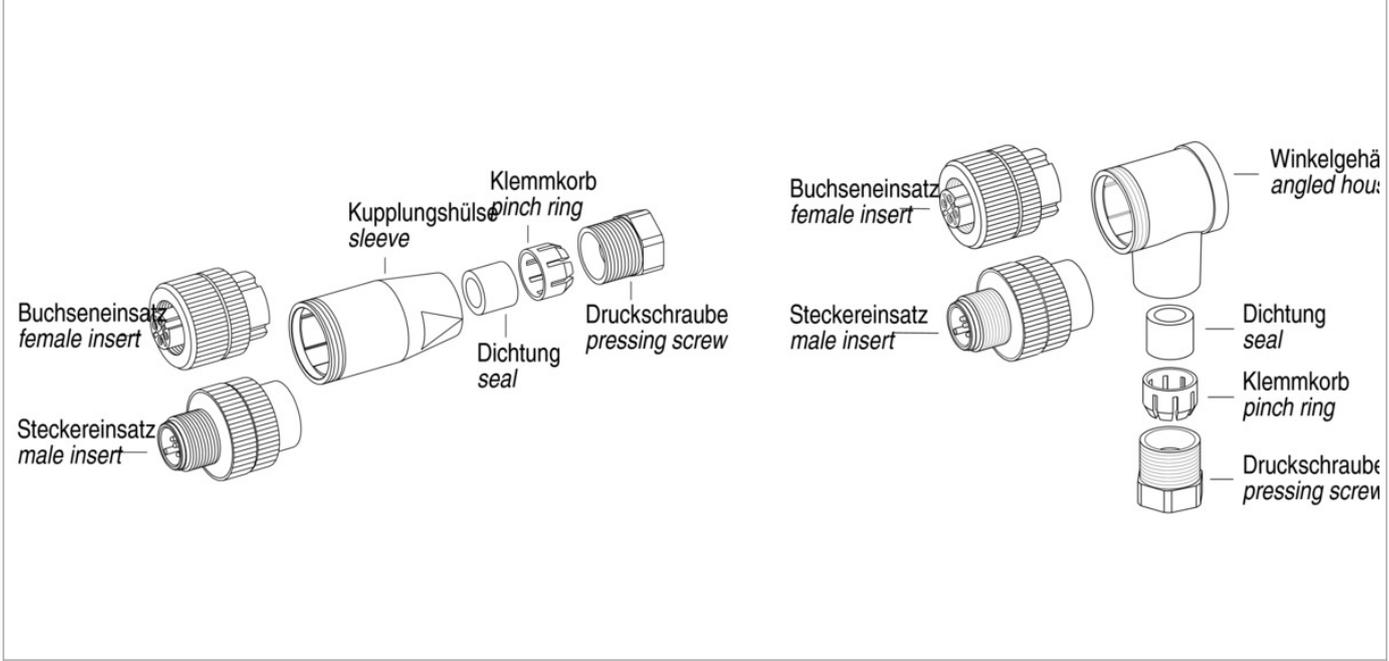
### Material

|                          |               |
|--------------------------|---------------|
| Material of contact      | CuSn (Bronze) |
| Contact plating          | Au (Gold)     |
| Material of contact body | PA            |
| Material of housing      | PBT           |

Contacts: 12, Cable outlet: 6-8 mm, Female angled connector, metal lock, solder connection, with offset soldering surfaces, with UL approval

|         |   |                |                         |
|---------|---|----------------|-------------------------|
| Product | <b>Contacts: 12, Female angled connector, metal lock, solder connection, with offset soldering surfaces, with UL approval</b> | Area           | <b>M12-A Series 713</b> |
| Pole    | <b>12</b>   | Article number | <b>99 0492 52 12</b>    |

**Item description**



**Installation instructions / Mounting cutout**

