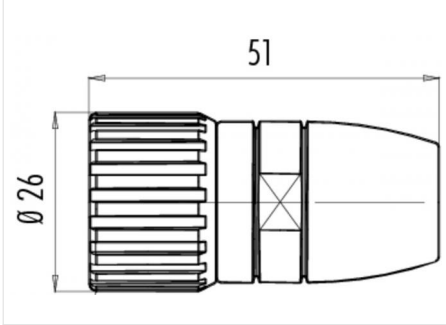


|                |  |
|----------------|--|
| Product        | <b>Polzahl: 6, Kabeldose, schirmbar, rechtsdrehend</b> |
| Area           | <b>M23 Power Series 623</b>                            |
| Article number | <b>99 4646 00 06</b>                                   |

**Illustration**



**Scale drawing**



**Contact Arrangement**

|   | X     | Y     |
|---|-------|-------|
| 1 | -4,13 | 2,38  |
| 2 | -4,13 | -2,38 |
| 3 | 0,00  | -4,75 |
| 4 | 4,13  | -2,38 |
| 5 | 4,13  | 2,38  |
| 6 | 0,00  | 0,00  |

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

**Technical data**

**General features**

|                          |                        |
|--------------------------|------------------------|
| Connector Design         | Female cable connector |
| Connector locking system | bolted                 |
| Termination              | solder                 |
| Wire gauge (mm)          | 2,50 mm <sup>2</sup>   |
| Wire gauge (AWG)         | 14                     |
| Cable outlet             | 6 - 10 mm              |
| Upper temperature        | 125 °C                 |
| Lower temperature        | -20 °C                 |

**Electrical parameters**

|                       |                    |
|-----------------------|--------------------|
| Rated voltage         | 300 V              |
| Rated impulse voltage | 2500 V             |
| Pollution degree      | 3                  |
| Overvoltage category  | II                 |
| Material group        | III                |
| Rated current (40°C)  | 20 A               |
| Volume resistivity    | ≤ 3 mΩ             |
| EMV compliance        | shielded           |
| Degree of protection  | IP67               |
| Mechanical operation  | > 50 Mating cycles |

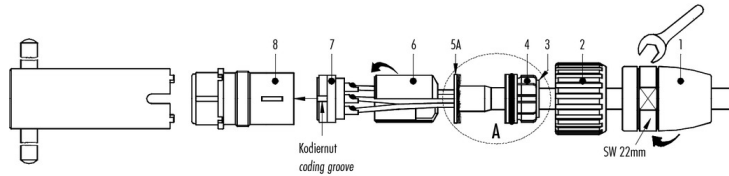
**Material**

|                          |               |
|--------------------------|---------------|
| Material of contact      | CuSn (Bronze) |
| Contact plating          | Au (gold)     |
| Material of contact body | PBT/PA66      |

Product **Polzahl: 6, Kabeldose, schirmbar, rechtsdrehend**

Area **M23 Power Series 623**  
 Article number **99 4646 00 06**

### Installation instructions / Mounting cutout



- Adapter Pos. 1, Überwurfmutter Pos. 2, Dichtelement Pos. 4 mit Dichttring Pos. 3 auf das Kabel schieben.
- Kabel-Außenmantel 23 mm abisolieren.
- Detail A: Schirmgeflecht 90° hochstellen, Schirmhülse Pos. 5A über die Folie bzw. Baumwollgeflecht jedoch unter das Schirmgeflecht mit drehender Bewegung schieben. Schirmgeflecht bündig mit Außendurchmesser Schirmhülse Pos. 5A abschneiden.
- Folie, Füller und innere Isolierungen abschneiden.
- Litzen 3,5 mm abisolieren, verdrehen und verzinnen.
- Litzen an Kontakte löten, crimpen oder schrauben.
- Distanzhülse Pos. 6 einfügen.
- Einsatz Pos. 7 und Distanzhülse Pos. 6 in Einsatzhülse Pos. 8 einführen. Hierbei ist zu beachten, daß die gewünschte Kodiernut des Einsatzes Pos. 7 in den Kodiersteg eingeführt wird.
- Kabel mit Schirm- und Dichteinheit eindrücken.
- Adapter Pos. 1 Festschrauben auf Anschlag.

Anzugsdrehmoment für Klemmschraube Kontakteinsatz Pos. 7 mit Schraubkontakten beachten:

- max. 0,1 Nm für Schraubkontakte Steckdurchmesser 1 mm
- max. 0,2 Nm für Schraubkontakte Steckdurchmesser 2 mm

- Push the adapter (1), the coupling nut (2) and the sealing ring (4) with the gasket (3) onto the cable.
- Strip the cable coating by 23 mm.
- Detail A: Push back the shielding braid so it stands out at 90°. With a rotating motion, push the shielding braid (5A) over the foil or cotton braid and under the shielding braid. Cut the shielding braid and flush with the external diameter of the shielded sleeve (5A).
- Trim foil, filler and inner insulation.
- Strip the single wires by 3.5 mm, twist and tin.
- Solder, crimp or screw the single wires to the contacts.
- Insert the distance shell (6).
- Guide the insert (7) and distance shell (6) into the insert sleeve (8), mind that the desired coding groove of the insert (7) is pushed into the coding bar.
- Press in the cable with the shield and sealing unit.
- Screw the adapter (1) as tight as possible.

Please note: torque for clamping screw for contact insert (7) with screw contacts:

- max. 0.1 Nm for screw contacts with mating dia. 1 mm
- max. 0.2 Nm for screw contacts with mating dia. 2 mm