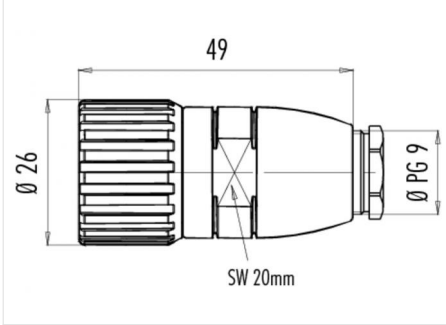


| | |
|----------------|---|
| Product | Polzahl: 16, Kabelstecker, rechtsdrehend |
| Area | M23 Power Series 623 |
| Article number | 99 4609 00 16 |

Illustration



Scale drawing



Contact Arrangement

| | X | Y |
|----|-------|-------|
| 1 | 1,70 | 5,50 |
| 2 | 4,40 | 3,60 |
| 3 | 5,70 | 0,70 |
| 4 | 5,70 | -2,50 |
| 5 | 3,05 | -4,80 |
| 6 | 0,00 | -5,70 |
| 7 | -3,05 | -4,80 |
| 8 | -5,70 | -2,50 |
| 9 | -5,70 | 0,70 |
| 10 | -4,40 | 3,60 |
| 11 | -1,70 | 5,50 |
| 12 | 0,00 | 2,80 |
| 13 | 2,55 | 1,10 |
| 14 | 1,70 | -2,00 |
| 15 | -1,70 | -2,00 |
| 16 | -2,55 | 1,10 |

You can find the assembly instruction on the next page.

Technical data

General features

| | |
|--------------------------|----------------------|
| Connector Design | Cable Connector |
| Connector locking system | bolted |
| Termination | solder |
| Wire gauge (mm) | 1,00 mm ² |
| Wire gauge (AWG) | 18 |
| Cable outlet | 6 - 10 mm |
| Upper temperature | 125 °C |
| Lower temperature | -20 °C |

Electrical parameters

| | |
|-----------------------|--------------------|
| Rated voltage | 150 V |
| Rated impulse voltage | 1500 V |
| Pollution degree | 3 |
| Overvoltage category | II |
| Material group | III |
| Rated current (40°C) | 8 A |
| Volume resistivity | ≤ 3 mΩ |
| EMV compliance | not shielded |
| Degree of protection | IP67 |
| Mechanical operation | > 50 Mating cycles |

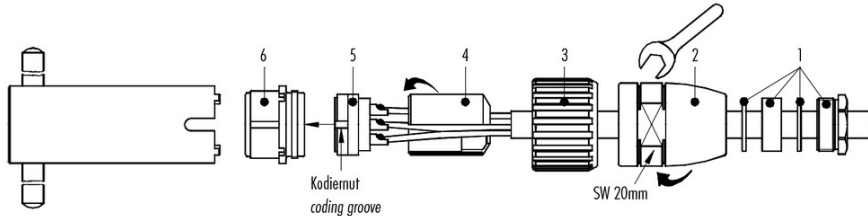
Material

| | |
|--------------------------|----------------|
| Material of contact | CuZn (Messing) |
| Contact plating | Au (gold) |
| Material of contact body | PBT/PA66 |

Product **Polzahl: 16, Kabelstecker, rechtsdrehend**

Area **M23 Power Series 623**
 Article number **99 4609 00 16**

Installation instructions / Mounting cutout



- Kabelverschraubung Pos. 1, Adapter Pos. 2 und Überwurfmutter Pos. 3 auf das Kabel schieben.
- Kabel-Außenmantel 20 mm abisolieren.
- Folie, Füller und innere Isolierungen abschneiden.
- Litzen 3,5 mm abisolieren, verdrehen und verzinnen.
- Litzen an Kontakte löten, crimpen oder schrauben.
- Distanzhülse Pos. 4 einfügen.
- Einsatz Pos. 5 und Distanzhülse Pos. 4 in Einsatzzing Pos. 6 einführen. Hierbei ist zu beachten, daß die gewünschte Kodiernut des Einsatzes Pos. 6 in den Kodiersteg eingeführt wird.
- Adapter Pos. 2 Festschrauben auf Anschlag.
- Kabelverschraubung Pos. 1 Festschrauben.

- Push the cable screw connection (1), adapter (2) and coupling nut (3) onto the cable.
- Strip the cable coating by 20 mm.
- 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 (4).
- Guide the insert (5) and distance shell (4) into the insert ring (6), mind that the desired coding groove of the insert (6) is pushed into the coding bar.
- Screw the adapter (2) as tight as possible.
- Screw the cable gland (1) as tight as possible.

Anzugsdrehmoment für Klemmschraube Kontakteinsatz Pos. 5 mit Schraubkontakten beachten:

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

Please note: torque for clamping screw for contact insert (5) 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