

# Product sheet

## Output connector



Product	<b>Contacts: 6, Female angled connector, shieldable, right-turning (the pin and socket insert counter-rotate in right and left turning models)</b>	Area Article number	<b>M23 Power Series 623</b> <b>99 4646 00 06</b>
Pole	<b>6</b>		

Illustration	Scale drawing	Contact Arrangement																					
		<table border="1"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-4,13</td> <td>2,38</td> </tr> <tr> <td>2</td> <td>-4,13</td> <td>-2,38</td> </tr> <tr> <td>3</td> <td>0,00</td> <td>-4,75</td> </tr> <tr> <td>4</td> <td>4,13</td> <td>-2,38</td> </tr> <tr> <td>5</td> <td>4,13</td> <td>2,38</td> </tr> <tr> <td>6</td> <td>0,00</td> <td>0,00</td> </tr> </tbody> </table>		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
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You can find the assembly instruction on the next page.

### Technical data

#### Common values

Connector Design	Female cable connector
Connector locking system	screw
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 values

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
Material of housing	CuZn (Brass nickel-plated)

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Product

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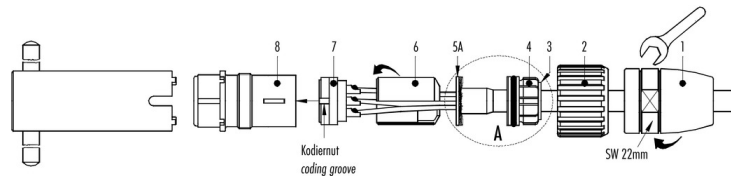
Area  
Article number

**M23 Power Series 623  
99 4646 00 06**

Pole

**6**

## Installation instructions / Mounting cutout



- Adapter Pos. 1, Überwurfmutter Pos. 2, Dichtelement Pos. 4 mit Dichtung 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