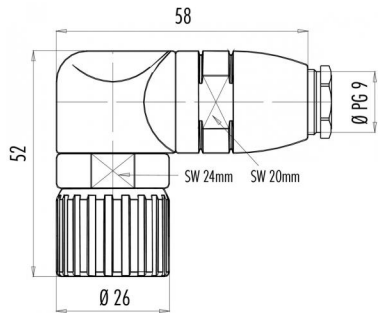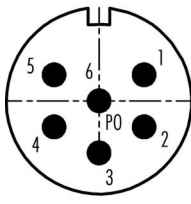# Product sheet
Output connector

binder

Product	**Contacts: 6, Male angled connector, right-turning (the pin and socket insert counter-rotate in right and left turning models)**	Area	**M23 Power Series 623**
		Article number	**99 4635 70 06**
Pole	**6**		

Illustration

Scale drawing

58
52
Ø PG 9
SW 24mm   SW 20mm
Ø 26

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

Common values

Connector Design	Male angled connector
Connector locking system	screw
Termination	Solder
Wire gauge (mm)	2.50 mm²
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	not shielded
Degree of protection	IP67
Mechanical operation	> 50 mating cycles

Material

Material of contact	CuZn (Brass)
Contact plating	Au (Gold)
Material of contact body	PBT/PA66
Material of housing	CuZn (Brass nickel-plated)

Contacts: 6, Male angled connector, right-turning

Product sheet
Output connector

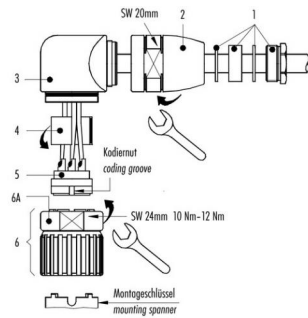|			
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Installation instructions / Mounting cutout

- Kabelverschraubung Pos. 1, Adapter Pos. 2 und Winkelkörper Pos. 3 auf das Kabel schieben.
- Kabel-Außenmantel 30 mm abisolieren.
- Folie, Füller und innere Isolierungen abschneiden.
- Litzen 3,5 mm abisolieren, verdrillen und verzinnen.
- Litzen an Kontakte löten, crimpen oder schrauben.
- Distanzhülse Pos. 4 einfügen.
- Einsatz Pos. 5 und Distanzhülse Pos. 4 in Einheit Pos. 6 einführen. Hierbei ist zu beachten, daß die gewünschte Kodiernut des Einsatzes Pos. 5 in den Kodiersteg eingeführt wird.
- Gesamte Einheit in Winkelkörper einführen (Achtung: acht Kodiermöglichkeiten) und mit Mutter Pos. 6A sichern (Anzugsdrehmoment: 10 Nm bis 12 Nm).
- Adapter Pos. 2 Festschrauben auf Anschlag.
- Kabelverschraubung Pos. 1 Festschrauben.

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

- *Push the cable screw connection (1), adapter (2) and angled housing (3) onto the cable.*
- *Strip the cable coating by 30 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 unit (6), mind that the desired coding groove of the insert (5) is pushed into the coding bar.*
- *Insert the entire unit into the angle housing (Attention: eight coding options) and secure with nut (6A) (torque: 10 Nm up to 12 Nm).*
- *Screw the adapter (2) as tight as possible.*
- *Screw the cable gland (1) as tight as possible.*

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*