

Product	<b>Contacts: 4, Male panel mount connector, POWER, screw terminal connection, fixing thread, M20 x 1.5, UL approval</b>	Area	<b>M12-A Series 713/763 POWER</b>
Pole	<b>4</b>	Article number	<b>99 0431 500 04</b>

Illustration	Scale drawing	Contact Arrangement															
		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2,50</td> <td>0,00</td> </tr> <tr> <td>2</td> <td>0,00</td> <td>2,50</td> </tr> <tr> <td>3</td> <td>-2,50</td> <td>0,00</td> </tr> <tr> <td>4</td> <td>0,00</td> <td>-2,50</td> </tr> </tbody> </table>		X	Y	1	2,50	0,00	2	0,00	2,50	3	-2,50	0,00	4	0,00	-2,50
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**You can find the assembly instruction on the next page.**

## Technical data

### Common values

Connector Design	Male panel mount connector
Connector locking system	screw
Termination	Screw terminal
Wire gauge (mm)	screw terminal max. 1.5 mm <sup>2</sup>
Wire gauge (AWG)	16
Upper temperature	85 °C
Lower temperature	-40 °C

### Electrical values

Rated voltage	250 V
Rated impulse voltage	2500 V
Pollution degree	3
Overvoltage category	II
Material group	II
Rated current (40°C)	8 A
Volume resistivity	≤ 3 mΩ
EMV compliance	not shielded
Degree of protection	IP67
Mechanical operation	> 100 mating cycles

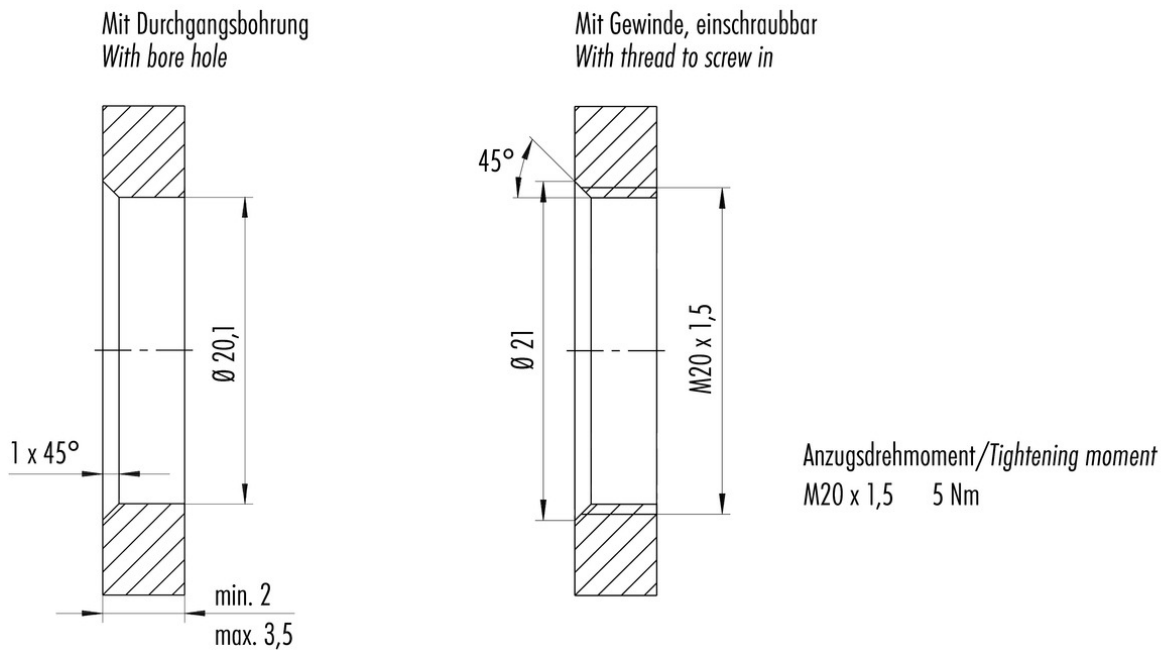
### Material

Material of contact	CuZn (Brass)
Contact plating	Au (Gold)
Material of contact body	PA
Material of housing	Nickel-plated zinc die casting

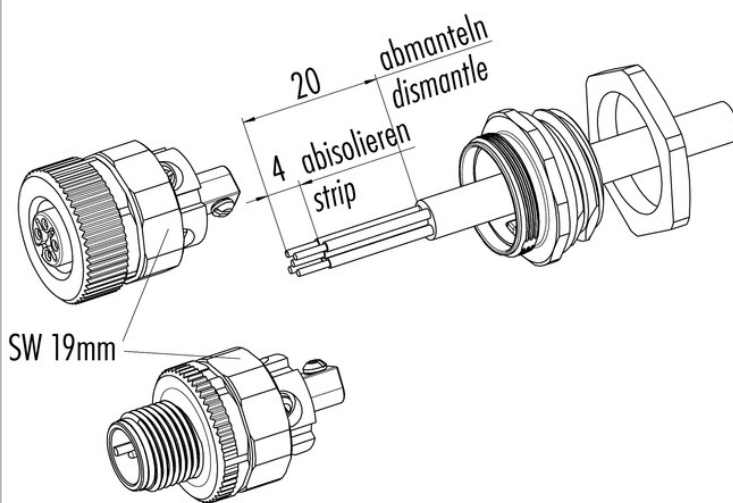
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### Installation instructions / Mounting cutout



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#### Litzenquerschnitt

#### Wire cross section

min. 0,14 mm <sup>2</sup>	4-, 5-, 8-polig/contacts
max. 1,5 mm <sup>2</sup>	4-, 5-polig/contacts
max. 0,5 mm <sup>2</sup>	8-polig/contacts

#### Kontakteinsatz

#### Contact insert

4 x 90° verdrehbar/adjustable

#### Anzugsdrehmoment

#### Tightening torque

SW 19 Mutter/nut = 5 Nm	M18 x 0,75
M20 x 1,5 = 5 Nm	