

Product	Contacts: 12, Male angled connector, metal lock, solder connection, with offset soldering surfaces, with UL approval	Area	M12-A Series 713
Pole	12	Article number	99 0491 52 12

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>2,80</td><td>0,78</td></tr> <tr><td>2</td><td>0,78</td><td>2,80</td></tr> <tr><td>3</td><td>-1,09</td><td>2,69</td></tr> <tr><td>4</td><td>-2,51</td><td>1,46</td></tr> <tr><td>5</td><td>-2,88</td><td>-0,37</td></tr> <tr><td>6</td><td>-2,05</td><td>-2,03</td></tr> <tr><td>7</td><td>-0,37</td><td>-2,88</td></tr> <tr><td>8</td><td>1,46</td><td>-2,51</td></tr> <tr><td>9</td><td>2,69</td><td>-1,09</td></tr> <tr><td>10</td><td>0,78</td><td>0,78</td></tr> <tr><td>11</td><td>-1,06</td><td>0,29</td></tr> <tr><td>12</td><td>0,29</td><td>-1,06</td></tr> </tbody> </table>		X	Y	1	2,80	0,78	2	0,78	2,80	3	-1,09	2,69	4	-2,51	1,46	5	-2,88	-0,37	6	-2,05	-2,03	7	-0,37	-2,88	8	1,46	-2,51	9	2,69	-1,09	10	0,78	0,78	11	-1,06	0,29	12	0,29	-1,06
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You can find the item description and assembly instruction on the next page.

Technical data

Common values

Connector Design	Male angled connector
Connector locking system	screw
Termination	Solder
Wire gauge (mm)	0.25 mm ²
Wire gauge (AWG)	24
Cable outlet	6 - 8 mm
Upper temperature	85 °C
Lower temperature	-40 °C

Electrical values

Rated voltage	30 V
Rated impulse voltage	500 V
Pollution degree	3
Overvoltage category	II
Material group	II
Rated current (40°C)	2 A
Volume resistivity	≤ 3 mΩ
EMV compliance	nicht geschirmt
Degree of protection	IP67
Mechanical operation	> 50 mating cycles

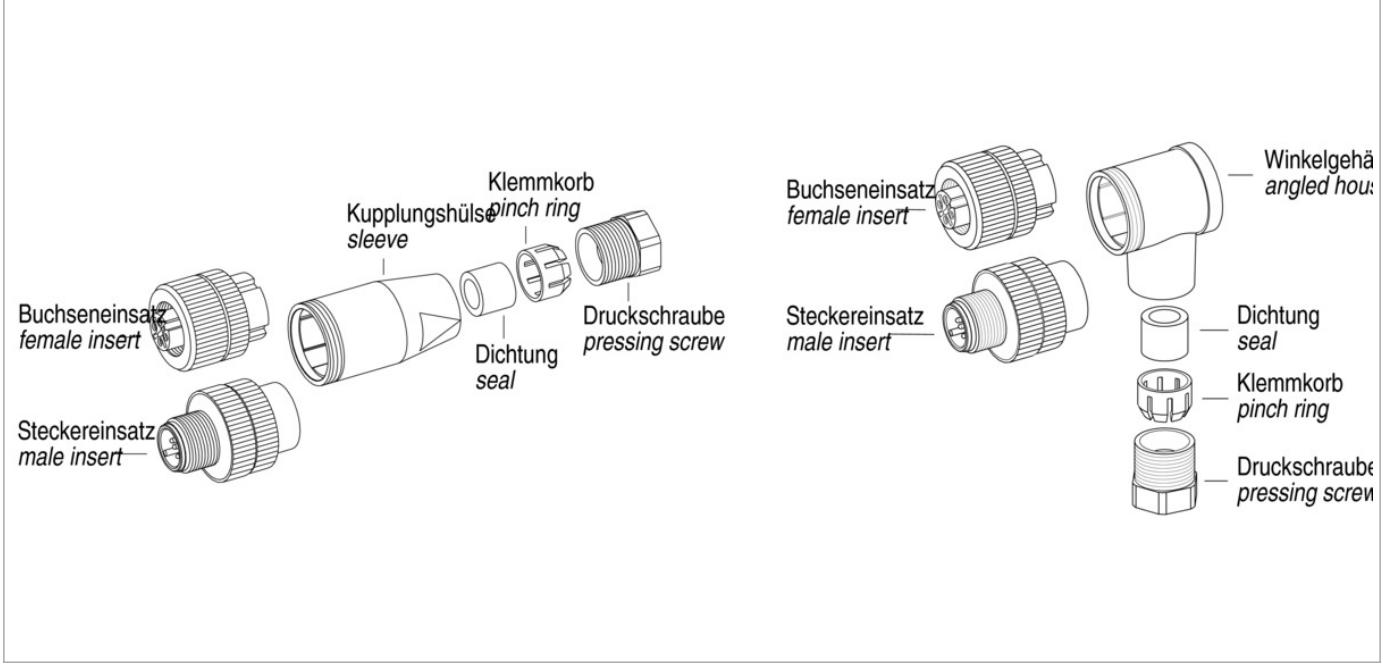
Material

Material of contact	CuZn (Brass)
Contact plating	Au (Gold)
Material of contact body	PA
Material of housing	PA

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Item description



Installation instructions / Mounting cutout

Öffnungswerkzeug für Käfigzugfederversion
opening tool for wire clamp connection

	Schraubklemmversion screw connection	Lötversion solder version	Käfigzugfederversion wire clamp connection
Maß A/mm measure A/mm	5	3,5	7