

# Product sheet

## Output connector



Product	<b>Contacts: 9, Male panel mount connector, back-panel mount (the pin and socket insert counter-rotate in right and left turning models)</b>	Area Article number	<b>M23 Power Series 623 99 4603 80 09</b>
Pole	<b>9</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>1,80</td><td>4,35</td></tr> <tr><td>2</td><td>4,35</td><td>1,80</td></tr> <tr><td>3</td><td>4,35</td><td>-1,80</td></tr> <tr><td>4</td><td>1,80</td><td>-4,35</td></tr> <tr><td>5</td><td>-1,80</td><td>-4,35</td></tr> <tr><td>6</td><td>-4,35</td><td>-1,80</td></tr> <tr><td>7</td><td>-4,35</td><td>1,80</td></tr> <tr><td>8</td><td>-1,80</td><td>4,35</td></tr> <tr><td>9</td><td>0,00</td><td>0,00</td></tr> </tbody> </table>		X	Y	1	1,80	4,35	2	4,35	1,80	3	4,35	-1,80	4	1,80	-4,35	5	-1,80	-4,35	6	-4,35	-1,80	7	-4,35	1,80	8	-1,80	4,35	9	0,00	0,00
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## Technical data

### Common values

Connector Design	Male panel mount connector
Connector locking system	screw
Termination	Solder
Wire gauge (mm)	8x1.5/ 1x2.5 mm <sup>2</sup>
Wire gauge (AWG)	8x16/ 1x14
Cable outlet	-
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)	8x8A/ 1x20A
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	Nickel-plated zinc die casting

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