

# Product sheet

## Output connector



Product	<b>Contacts: 6, Female panel mount connector, back-panel mount, right-turning (the pin and socket insert counter-rotate in right and left turning models)</b>	Area Article number	<b>M23 Power Series 623 99 4638 80 06</b>
Pole	<b>6</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>-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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## Technical data

### Common values

Connector Design	Female panel mount connector
Connector locking system	screw
Termination	Solder
Wire gauge (mm)	2.50 mm <sup>2</sup>
Wire gauge (AWG)	14
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)	20 A
Volume resistivity	≤ 3 mΩ
EMV compliance	not 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	Nickel-plated zinc die casting

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