

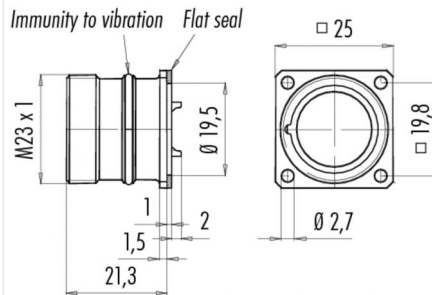
Product description **Contacts: 9, female panel mount connector, front mounting, right-turning**

Area **M23 Power Series 623**  
Order number **99 4604 00 09**

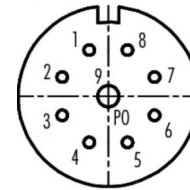
### Illustration



### Scale drawing



### Contact arrangement



	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

## Technical data

### General values

Connector design	female panel mount connector
Connector locking system	bolted
Termination	solder
Arrangement of contacts	clockwise
Wire gauge (mm)	8x1,5/ 1x2,5 mm <sup>2</sup>
Wire gauge (AWG)	8x16/1x14
Upper limit temperature	125 °C
Lower limit temperature	-20 °C

### Electrical values

Rated current (40 °C)	8 x 8 A / 1 x 20 A
Rated voltage	300 V
Rated impulse voltage	2500 V
Pollution degree	3
Overtoltage category	II
Insulating material group	III
Volume resistivity	≤ 3 mΩ
Insulation resistance	≥ 10 <sup>10</sup> Ω
EMC compliance	Shielding is not possible
Degree of protection	IP67
Mechanical operation	> 50 Mating cycles

### Material

Contact material	CuSn (bronze)
Contact plating	Au (gold)
Contact body material	PBT/PA66

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## Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.