

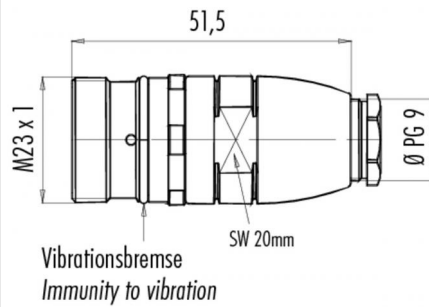
Product description **Contacts: 6, coupling socket, right-turning**

Area **M23 Power Series 623**  
 Order number **99 4642 00 06**

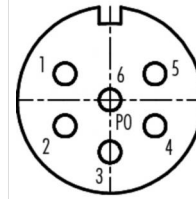
**Illustration**



**Scale drawing**



**Contact arrangement**



	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

**Technical data**

**General values**

Connector design	coupling socket
Connector locking system	bolted
Termination	solder
Wire gauge (mm)	2,50 mm <sup>2</sup>
Wire gauge (AWG)	14
Cable outlet	6 - 10 mm
Upper limit temperature	125 °C
Lower limit temperature	-20 °C

**Electrical values**

Rated voltage	300 V
Rated impulse voltage	2500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	III
Rated current (40 °C)	20 A
Volume resistivity	≤ 3 mΩ
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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### Sicherheitshinweise

1. The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.
2. 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.
4. Connectors used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.
6. 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.
8. To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).