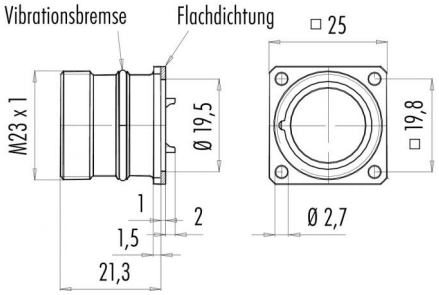
Product data sheet

Power connectors

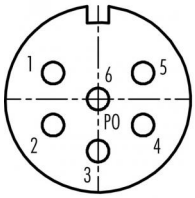
Product description	**M23 female panel mount connector, Contacts: 6, shielding is not possible, solder, IP67, front mounting**
Area	**M23 series 623**
Order number	**99 4638 00 06**

Illustration

Scale drawing



Contact arrangement (Plug-in side)



	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	female panel mount connector
Connector locking system	screw
Termination	solder
Arrangement of contacts	clockwise
Wire gauge (mm)	2.50 mm²
Wire gauge (AWG)	14
Upper limit temperature	125 °C
Lower limit temperature	– 20 °C
Customs tariff number	85369010
Packaging Unit	40

Electrical values

Rated current (40 °C)	20 A
Rated voltage	300 V
Rated impulse voltage	2500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	III
Insulation resistance	≥ 10^{10} 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
Housing material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)

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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.