Product data sheet

Power connectors

binder

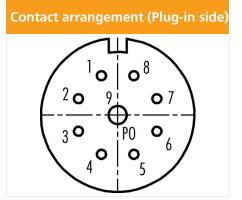|	
Product description	**M23 female panel mount connector, Contacts: 9, unshielded, solder, IP67, central lock**
Area	**M23 series 623**
Order number	**99 4604 20 09**

Illustration

Scale drawing

Vibrationsbremse   O-Ring
M23 x 1   PG 13,5
Ø 26
SW 24mm
20,3   6

Contact arrangement (Plug-in side)

1 8
2 9 7
3 P0 6
4 5

Technical data

General values

Connector design	female panel mount connector
Connector locking system	screw
Termination	solder
Arrangement of contacts	clockwise
Wire gauge (mm)	8x1.50 / 1x2.50 mm²
Wire gauge (AWG)	8x AWG 16 / 1x AWG 14
Upper limit temperature	125 °C
Lower limit temperature	-25 °C
Customs tariff number	85369010

Electrical values

Rated current (40 °C)	8 x 8 A / 1 x 20 A
Rated voltage	48 V
Rated impulse voltage	2500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	III
Insulation resistance	≥ 10^{10} Ω
EMC compliance	unshielded
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 plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.