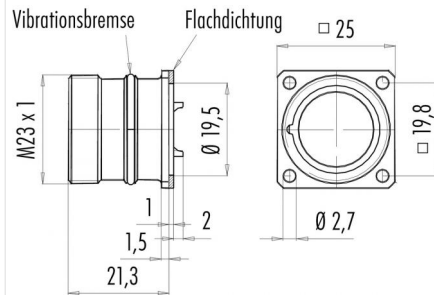


Product description **M23 square male panel mount connector, Contacts: 9, solder, IP67, front mounting**
Area **M23 series 623**
Order number **99 4603 00 09**

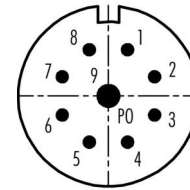
Illustration



Scale drawing



Contact arrangement (Plug-in side)



| | 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 square male 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 300 V
Rated impulse voltage 2500 V
Pollution degree 3
Overvoltage category II
Insulating material group III
Insulation resistance $\geq 10^{10} \Omega$
Degree of protection IP67
Mechanical operation > 50 Mating cycles

Material

Contact material CuZn (brass)
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.