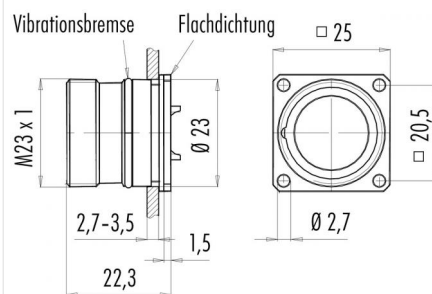


|                     |   |
|---------------------|---|
| Product description | <b>M23 square male panel mount connector, Contacts: 9, shielding is not possible, solder, IP67, back mounting</b> |
| Area                | <b>M23 series 623</b>   |
| Order number        | <b>99 4603 80 09</b>  |

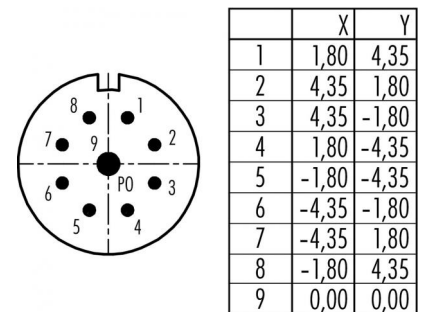
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



## 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 mm <sup>2</sup>   |
| Wire gauge (AWG)         | 8x16 / 1x14                       |
| Upper limit temperature  | 125 °C                            |
| Lower limit temperature  | -20 °C                            |
| Customs tariff number    | 85369010                          |
| Packaging Unit           | 80                                |

### 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     | ≥ 10 <sup>10</sup> Ω      |
| EMC compliance            | shielding is not possible |
| 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)        |

|                     |   |
|---------------------|---|
| Product description | <b>M23 square male panel mount connector, Contacts: 9, shielding is not possible, solder, IP67, back mounting</b> |
| Area                | <b>M23 series 623</b>   |
| Order number        | <b>99 4603 80 09</b>  |

## 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.