

Product **Contacts: 12, coupling plug, left-turning**

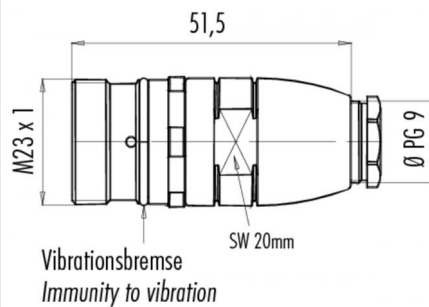
Area **M23 Power Series 623**

Article number **99 4615 10 12**

### Illustration



### Scale drawing



### Contact Arrangement

|    | X     | Y     |
|----|-------|-------|
| 1  | -3,60 | 4,30  |
| 2  | -5,55 | 1,00  |
| 3  | -4,90 | -2,80 |
| 4  | -1,90 | -5,30 |
| 5  | 1,90  | -5,30 |
| 6  | 4,90  | -2,80 |
| 7  | 5,55  | 1,00  |
| 8  | 3,60  | 4,30  |
| 9  | 0,00  | 4,50  |
| 10 | -1,90 | 1,00  |
| 11 | 0,00  | -2,20 |
| 12 | 1,90  | 1,00  |

## Technical data

### General features

|                          |                      |
|--------------------------|----------------------|
| Connector Design         | coupling plug        |
| Connector locking system | bolted               |
| Termination              | solder               |
| Wire gauge (mm)          | 1,00 mm <sup>2</sup> |
| Wire gauge (AWG)         | 18                   |
| Cable outlet             | 6 - 10 mm            |
| Upper temperature        | 125 °C               |
| Lower temperature        | -20 °C               |

### Electrical parameters

|                       |                    |
|-----------------------|--------------------|
| Rated voltage         | 150 V              |
| Rated impulse voltage | 1500 V             |
| Pollution degree      | 3                  |
| Overvoltage category  | II                 |
| Material group        | III                |
| Rated current (40°C)  | 8 A                |
| Volume resistivity    | ≤ 3 mΩ             |
| EMV compliance        | not shielded       |
| Degree of protection  | IP67               |
| Mechanical operation  | > 50 Mating cycles |

### Material

|                          |                |
|--------------------------|----------------|
| Material of contact      | CuZn (Messing) |
| Contact plating          | Au (gold)      |
| Material of contact body | PBT/PA66       |