

Product Area Male socket, fastened from back side  
M 23 connectors IP 67

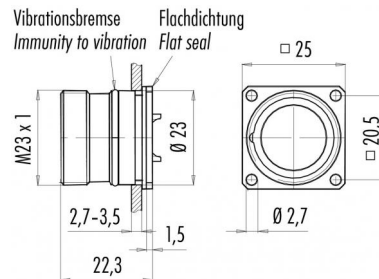
serie 623

Pole 12  
Article number 99 4607 80 12

illustration



scale drawing



Contact Arrangement

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

Bei rechts- und linksdrehenden Ausführungen sind Stift- und Buchsenleisten gegenläufig.  
The marking of the clockwise and anticlockwise male and female contacts goes in the opposite direction.

Technical data

Common values

|                          |                      |
|--------------------------|----------------------|
| Connector Design         | Male socket          |
| Connector locking system | Screw                |
| Termination              | solder               |
| Wire gauge (mm)          | 1,00 mm <sup>2</sup> |
| Wire gauge (AWG)         | 18                   |
| Cable outlet             | -                    |
| Upper temperature        | +125 °C              |
| Lower temperature        | -20 °C               |

Material

|                     |                                |
|---------------------|--------------------------------|
| Material of contact | CuSn (bronze)                  |
| Contact plating     | Au (gold)                      |
| Material of housing | zinc diecasting, nickel plated |

Cable data

Contacts 12, male socket, fastened from back side, clockwise

Electrical values

|                       |                    |
|-----------------------|--------------------|
| 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  | IP 67              |
| Mechanical operation  | > 50 mating cycles |

