

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

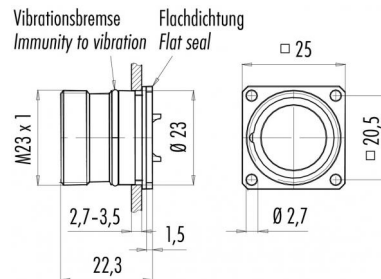
serie 623

Pole 16  
Article number 99 4612 80 16

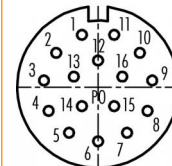
illustration



scale drawing



Contact Arrangement



|    | X     | Y     |
|----|-------|-------|
| 1  | -1,70 | 5,50  |
| 2  | -4,40 | 3,60  |
| 3  | -5,70 | 0,70  |
| 4  | -5,20 | -2,50 |
| 5  | -3,05 | -4,80 |
| 6  | 0,00  | -5,70 |
| 7  | 3,05  | -4,80 |
| 8  | 5,20  | -2,50 |
| 9  | 5,70  | 0,70  |
| 10 | 4,40  | 3,60  |
| 11 | 1,70  | 5,50  |
| 12 | 0,00  | 2,80  |
| 13 | -2,55 | 1,10  |
| 14 | -1,70 | -2,00 |
| 15 | 1,70  | -2,00 |
| 16 | 2,55  | 1,10  |

Technical data

Common values

|                          |                      |
|--------------------------|----------------------|
| Connector Design         | Female 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 16, female 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 |

