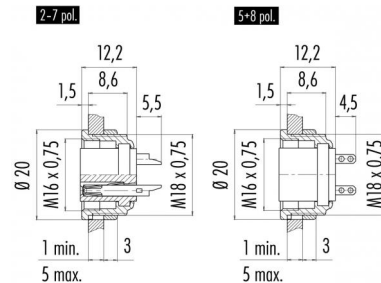


|              |   |                     |                     |                    |
|--------------|---|---------------------|---------------------|--------------------|
| Product Area | Female socket, solder<br>M16 connectors IP 40 | serie 581/ 680/ 682 | Pole Article number | 2<br>09 0304 00 02 |
|--------------|---|---------------------|---------------------|--------------------|

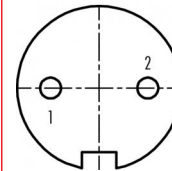
illustration



scale drawing



Contact Arrangement



|   | X     | Y    |
|---|-------|------|
| 1 | -3,50 | 0,00 |
| 2 | 3,50  | 0,00 |

You can find the assembly instruction on the next page.

Technical data

Common values

|                          |                      |
|--------------------------|----------------------|
| Connector Design         | Female socket        |
| Connector locking system | Screw                |
| Termination              | solder               |
| Wire gauge (mm)          | 0,75 mm <sup>2</sup> |
| Wire gauge (AWG)         | 20                   |
| Upper temperature        | +85 °C               |
| Lower temperature        | -40 °C               |

Material

|                          |                                |
|--------------------------|--------------------------------|
| Material of contact      | CuSn (bronze)                  |
| Contact plating          | Ag (silver)                    |
| Material of contact body | PBT (UL 94 V-0)                |
| Material of housing      | zinc diecasting, nickel plated |

Cable data

Contacts 2, female socket, solder, 2 - 8  
Contacts, silver plated contacts

Electrical values

|                       |                    |
|-----------------------|--------------------|
| Rated voltage         | 250 V              |
| Rated impulse voltage | 1500 V             |
| Pollution degree      | 1                  |
| Overvoltage category  | I                  |
| Material group        | III                |
| Rated current (40°C)  | 7 A                |
| Volume resistivity    | ≤ 5 mΩ             |
| EMV compliance        | shielded           |
| Degree of protection  | IP 40              |
| Mechanical operation  | >500 mating cycles |



Product  
Area

Female socket, solder  
M16 connectors IP 40

serie 581/ 680/ 682

Pole  
Article number

2  
09 0304 00 02

Installation instructions / Mounting cutout

