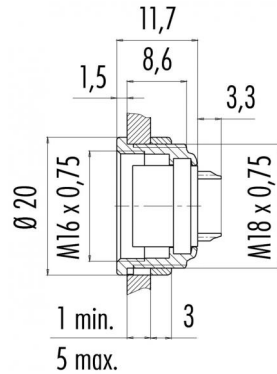


|              |  |                     |                     |                     |
|--------------|--|---------------------|---------------------|---------------------|
| Product Area | Flanschdose, löten<br>M16 connectors IP 40 | serie 581/ 680/ 682 | Pole Article number | 16<br>09 0340 00 16 |
|--------------|--|---------------------|---------------------|---------------------|

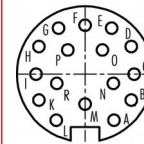
illustration



scale drawing



Contact Arrangement



|   | X     | Y     |
|---|-------|-------|
| A | 2,50  | -4,00 |
| B | 4,00  | -2,25 |
| C | 4,25  | 0,00  |
| D | 4,00  | 2,40  |
| E | 2,30  | 4,00  |
| F | 0,00  | 4,25  |
| G | -2,30 | 4,00  |
| H | -4,00 | 2,40  |
| I | -4,25 | 0,00  |
| K | -4,00 | -2,25 |
| L | -2,50 | -4,00 |
| M | 0,00  | -2,60 |
| N | 2,45  | -0,80 |
| O | 1,50  | 2,10  |
| P | -1,50 | 2,10  |
| R | -2,40 | -0,80 |

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)          | 0,25 mm <sup>2</sup> |
| Wire gauge (AWG)         | 24                   |
| Upper temperature        | +85 °C               |
| Lower temperature        | -40 °C               |

Material

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

Cable data

Contacts 16, female socket, solder, 12 - 19  
Contacts, gold plated contacts

Electrical values

|                       |                    |
|-----------------------|--------------------|
| Rated voltage         | 60 V               |
| Rated impulse voltage | 500 V              |
| Pollution degree      | 1                  |
| Overvoltage category  | I                  |
| Material group        | III                |
| Rated current (40°C)  | 3 A                |
| Volume resistivity    | ≤ 3 mΩ             |
| EMV compliance        | shielded           |
| Degree of protection  | IP 40              |
| Mechanical operation  | >500 mating cycles |



Product  
Area

Flanschdose, löten  
M16 connectors IP 40

serie 581/ 680/ 682

Pole  
Article number

16  
09 0340 00 16

Installation instructions / Mounting cutout

