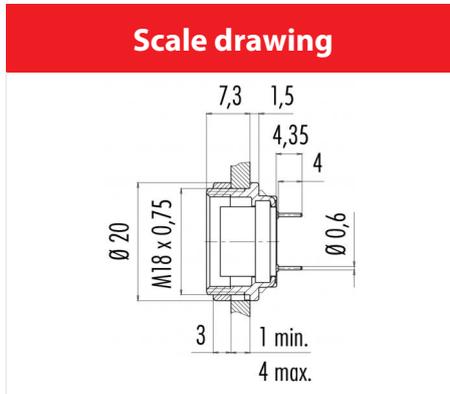


# Product sheet

## Miniature connector



|         |   |                |                                      |
|---------|---|----------------|--------------------------------------|
| Product | <b>Contacts: 16, Female panel mount connector, dip-solder, screwed from front, 12 - 19 contacts</b> | Area           | <b>M16 IP40 Series 581/ 680/ 682</b> |
| Pole    | <b>16</b>   | Article number | <b>09 0340 90 16</b>                 |



### 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 panel mount connector |
| Connector locking system | screw                        |
| Termination              | dip-solder                   |
| Wire gauge (mm)          | -                            |
| Wire gauge (AWG)         | -                            |
| Upper temperature        | 85 °C                        |
| Lower temperature        | -40 °C                       |

### 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  | IP40                |
| Mechanical operation  | > 500 mating cycles |

### Material

|                          |                                |
|--------------------------|--------------------------------|
| Material of contact      | CuSn (Bronze)                  |
| Contact plating          | Au (Gold)                      |
| Material of contact body | PBT (UL 94 V-0)                |
| Material of housing      | Nickel-plated zinc die casting |

Contacts: 16, Female panel mount connector, dip-solder, screwed from front, 12 - 19 contacts, gold plated contacts

|         |   |                        |  |
|---------|---|------------------------|--|
| Product | <b>Contacts: 16, Female panel mount connector, dip-solder, screwed from front, 12 - 19 contacts</b> | Area<br>Article number | <b>M16 IP40 Series 581/ 680/ 682</b><br><b>09 0340 90 16</b> |
| Pole    | 16  |                        |  |

Installation instructions / Mounting cutout

