

Product **M16 IP40 female cable connector, Contacts: 4, 6.0 - 8.0 mm, Shielding is not possible, solder, IP40**

Area **M16 IP40 series 680**  
 Article number **09 0310 92 04**

| Illustration | Ritning | Polbild   |  |   |   |   |       |       |   |       |      |   |      |      |   |      |       |
|--------------|---------|---|--|---|---|---|-------|-------|---|-------|------|---|------|------|---|------|-------|
|              |         | <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-3,32</td> <td>-1,08</td> </tr> <tr> <td>2</td> <td>-2,05</td> <td>2,83</td> </tr> <tr> <td>3</td> <td>2,05</td> <td>2,83</td> </tr> <tr> <td>4</td> <td>3,32</td> <td>-1,08</td> </tr> </tbody> </table> |  | X | Y | 1 | -3,32 | -1,08 | 2 | -2,05 | 2,83 | 3 | 2,05 | 2,83 | 4 | 3,32 | -1,08 |
|              | X       | Y   |  |   |   |   |       |       |   |       |      |   |      |      |   |      |       |
| 1            | -3,32   | -1,08   |  |   |   |   |       |       |   |       |      |   |      |      |   |      |       |
| 2            | -2,05   | 2,83  |  |   |   |   |       |       |   |       |      |   |      |      |   |      |       |
| 3            | 2,05    | 2,83  |  |   |   |   |       |       |   |       |      |   |      |      |   |      |       |
| 4            | 3,32    | -1,08   |  |   |   |   |       |       |   |       |      |   |      |      |   |      |       |

## Technical data

### General features

|                       |                        |
|-----------------------|------------------------|
| Kontaktdesign         | female cable connector |
| Kontaktionslåsning    | screw                  |
| Anslutning            | solder                 |
| Tvårsnitt (mm)        | 0.75 mm <sup>2</sup>   |
| Tvårsnitt (AWG)       | 18                     |
| Kabeluttag            | 6.0 - 8.0 mm           |
| Övre gränstemperatur  | 85 °C                  |
| Lågre gränstemperatur | - 40 °C                |
| Customs tariff number | 85369010               |

### Electrical parameters

|                         |                           |
|-------------------------|---------------------------|
| Märkström (40°C)        | 6 A                       |
| Märkspänning            | 250 V                     |
| Märkstötspänning        | 1500 V                    |
| Föreningegrad           | 1                         |
| Överspänningskategori   | I                         |
| Isoleringsmaterialgrupp | III                       |
| Resistans               | ≤ 3 mΩ                    |
| Insulation resistance   | ≥ 10 <sup>10</sup> Ω      |
| EMV-behörighet          | Shielding is not possible |
| Kapslingsklass          | IP40                      |
| Mekanisk livslängd      | > 500 Mating cycles       |

### Material

|                       |                 |
|-----------------------|-----------------|
| Kontaktmaterial       | CuSn (bronze)   |
| Kontaktplätering      | Au (gold)       |
| Kontaktkroppsmaterial | PBT (UL 94 V-0) |
| Kontaktmaterial       | PA              |

|                |  |
|----------------|--|
| Product        | <b>M16 IP40 female cable connector, Contacts: 4, 6.0 - 8.0 mm, Shielding is not possible, solder, IP40</b> |
| Area           | <b>M16 IP40 series 680</b>   |
| Article number | <b>09 0310 92 04</b>   |

## Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

The connector is not suitable for mains voltages. Please observe the pollution degrees and the overvoltage category. For further information refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).