

Product data sheet

Miniature connectors

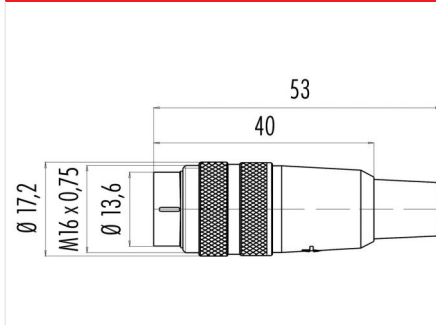


| | |
|---------------------|--|
| Product description | M16 IP40 cable connector, Contacts: 12, 6.0 - 8.0 mm, shielding is not possible, solder, IP40 |
| Area | M16 IP40 series 680 |
| Order number | 09 0329 02 12 |

Illustration



Scale drawing



Contact arrangement (Plug-in side)

| | X | Y |
|---|-------|-------|
| A | 0,41 | -3,45 |
| B | -2,29 | -3,61 |
| C | -4,10 | -1,21 |
| D | -3,20 | 1,34 |
| E | -2,71 | 3,59 |
| F | -0,41 | 3,45 |
| G | 2,29 | 3,61 |
| H | 4,10 | 1,21 |
| J | 3,20 | -1,34 |
| K | 2,71 | -3,59 |
| L | -2,00 | -1,51 |
| M | 2,00 | 1,51 |

Technical data

General values

| | |
|--------------------------|----------------------|
| Connector design | cable connector |
| Connector locking system | screw |
| Termination | solder |
| Wire gauge (mm) | 0.25 mm ² |
| Wire gauge (AWG) | 24 |
| Cable outlet | 6.0 - 8.0 mm |
| Upper limit temperature | 85 °C |
| Lower limit temperature | - 40 °C |
| Customs tariff number | 85369010 |
| Packaging Unit | 100 |

Electrical values

| | |
|---------------------------|---------------------------|
| Rated current (40 °C) | 3 A |
| Rated voltage | 60 V |
| Rated impulse voltage | 500 V |
| Pollution degree | 1 |
| Overvoltage category | I |
| Insulating material group | III |
| Insulation resistance | ≥ 10 ¹⁰ Ω |
| EMC compliance | shielding is not possible |
| Degree of protection | IP40 |
| Mechanical operation | > 1000 Mating cycles |

Material

| | |
|-----------------------|----------------------|
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| Contact body material | PBT (UL94 V-0) |
| Housing material | PA |
| REACH SVHC | CAS 7439-92-1 (Lead) |

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Security notices

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.

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