

Product Male cable connector, cable outlet 3-6 mm  
Area M16 connectors IP 40

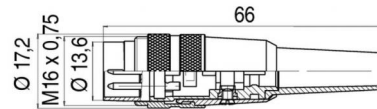
serie 680

Pole 12  
Article number 09 0329 00 12

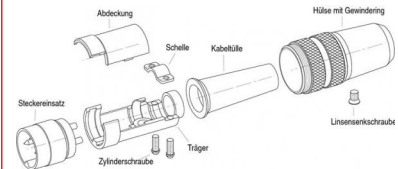
illustration



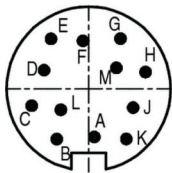
scale drawing



Item description



Contact Arrangement



|   | 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

Common values

|                          |                      |
|--------------------------|----------------------|
| Connector Design         | Male cable connector |
| Connector locking system | Screw-locking        |
| Termination              | solder               |
| Wire gauge (mm)          | 0,25 mm <sup>2</sup> |
| Wire gauge (AWG)         | 24                   |
| Max. Cable outlet        | 3 - 6 mm             |
| Upper temperature        | +85 °C               |
| Lower temperature        | -40 °C               |

Material

|                          |                 |
|--------------------------|-----------------|
| Material of contact      | CuZn (brass)    |
| Contact plating          | Au (gold)       |
| Material of contact body | PBT (UL 94 V-0) |
| Material of housing      | PA (UL 94 HB)   |

Cable data

Contacts 12, male cable connector, cable outlet 3 - 6 mm, 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        | not shielded       |
| Degree of protection  | IP 40              |
| Mechanical operation  | >500 mating cycles |

