

M12 male recept. A-cod. front

PP-wires 5x0.34 1m

Flange male  
M12, 5-pole  
Front mounting  
with multi-strand wire

Link to Product

Illustration



Product may differ from Image



|                          |                   |
|--------------------------|-------------------|
| Cable length             | 1 m               |
| Side 1                   |                   |
| Tightening torque        | 0,6 Nm            |
| Mounting method          | inserted, screwed |
| Family construction form | M12               |

|   |   |
|---|---|
| Thread  | M12 x 1   |
| Coding  | A   |
| Material  | Zinc die-casting  |
| No. of poles                                    | 5   |
| Width across flats                              | SW14  |
| Degree of protection (EN IEC 60529)             | IP67  |
| <b>Commercial data</b>                          |   |
| ECLASS-6.0                                      | 27279220  |
| ECLASS-6.1                                      | 27279220  |
| ECLASS-7.0                                      | 27440103  |
| ECLASS-8.0                                      | 27440103  |
| ECLASS-9.0                                      | 27440103  |
| ECLASS-10.1                                     | 27440103  |
| ECLASS-11.1                                     | 27440103  |
| ECLASS-12.0                                     | 27440103  |
| ETIM-5.0  | EC001855  |
| customs tariff number                           | 85444290  |
| GTIN  | 4048879294942   |
| Packaging unit                                  | 1   |
| <b>Electrical data   Supply</b>                 |   |
| Operating voltage AC max.                       | 125 V   |
| Operating voltage DC max.                       | 125 V   |
| Current operating per contact max.              | 4 A   |
| <b>Installation   Connection</b>                |   |
| Mounting set                                    | M16 x 1.5   |
| <b>Installation   Pin assignment</b>            |   |
| Configuration                                   | fully used  |
| <b>Device protection   Electrical</b>           |   |
| Protection NEMA                                 | 3, 4, 6P  |
| Additional condition protection degree          | inserted, screwed   |
| Pollution Degree                                | 3   |
| Rated surge voltage                             | 1,5 kV  |
| Material group (IEC 60664-1)                    | I   |
| <b>Mechanical data   Material data</b>          |   |
| Coating locking                                 | Nickeled  |
| Coating of fitting                              | nickel plated   |
| Locking material                                | Zinc die-casting  |
| Material screw connection                       | Zinc die-casting  |
| <b>Mechanical data   Mounting data</b>          |   |
| Mounting method                                 | Schraubgewinde  |
| Looking techniques                              | Schraubgewinde  |
| <b>Environmental characteristics   Climatic</b> |   |
| Operating temperature min.                      | -25 °C  |
| Operating temperature max.                      | 85 °C   |
| Additional condition temperature range          | depending on cable quality  |
| <b>Important installation notes</b>             |   |
| Note on strain relief                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |
| Note on bending radius                          | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| <b>Approvals</b>                                |   |
| UL 50E  | yes   |

| Resistances   Cable                               |  |
|---|--|
| Cable identification                              | 972  |
| wire arrangement                                  | brown, white, blue, black, gray                      |
| Material wire insulation                          | PUR  |
| Amount wires                                      | 5  |
| Outer diameter insulation                         | 1,3 mm   |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Amount strands (wire)                             | 19   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>                                 |
| Material conductor wire                           | copper stranded wire, tinned                         |
| Conductor type (wire)                             | Strand class 5                                       |
| Nominal voltage AC max.                           | 300 V  |
| Electrical resistance line constant wire          | 58 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 1,5 kV   |
| Power frequency withstand voltage (wire - jacket) | 1,5 kV   |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 90 °C  |
| Operating temperature min. (dynamic)              | -25 °C   |
| Operating temperature max. (dynamic)              | 90 °C  |
| Flame resistance                                  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |