

**M12 female recept. B-cod. front**

PUR-wires 5x0.34 0.2m

Art.No.: 7000-14161-9750020

Weight: 0.016

Country of origin: DE

Model designation: MSBBFV-U975\_0.2

Flange female

M12, 5-pole

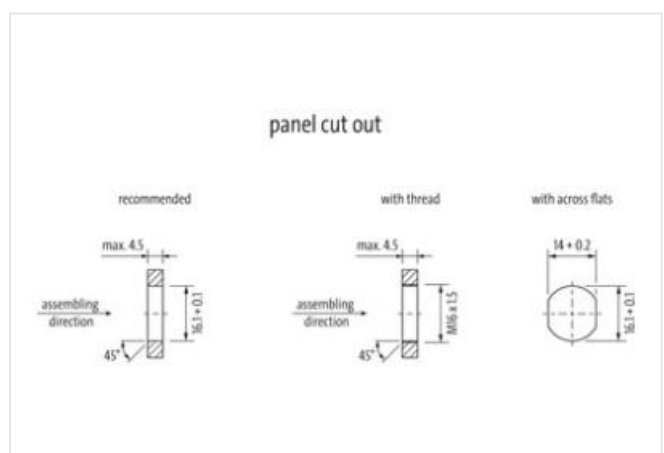
B-coded

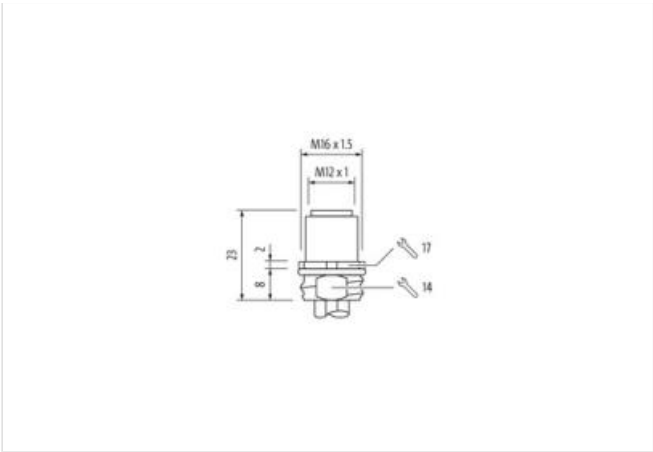
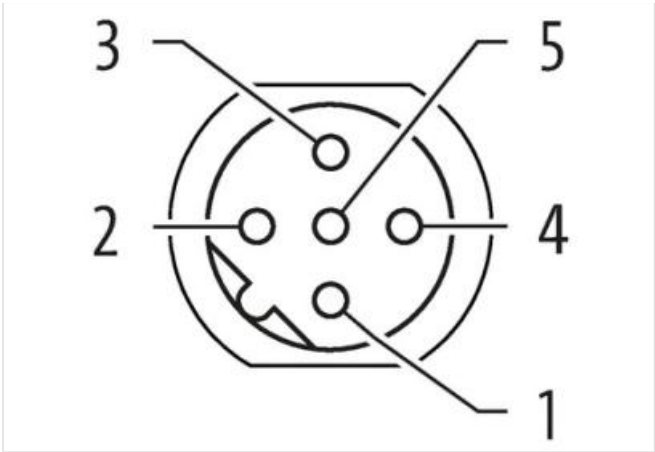
Front mounting

with multi-strand wire

Further cable lengths on request.

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**



Product may differ from Image



|                                     |                   |
|-------------------------------------|-------------------|
| Cable length                        | 0,2 m             |
| Side 1                              |                   |
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Coating contact                     | gold plated       |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Coding                              | B                 |
| Material contact                    | Copper alloy      |
| Material                            | Zinc die-casting  |
| No. of poles                        | 5                 |
| Width across flats                  | SW14              |
| Degree of protection (EN IEC 60529) | IP67              |
| Commercial data                     |                   |
| ECLASS-6.0                          | 27279221          |
| 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          |
| ETIM-6.0                            | EC001855          |
| ETIM-7.0                            | EC001855          |
| ETIM-8.0                            | EC001855          |
| customs tariff number               | 85444290          |
| customs tariff number               | 85444290          |
| GTIN                                | 4048879197731     |
| GTIN                                | 4048879197731     |
| Packaging unit                      | 1                 |
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| Electrical data   Supply            |                   |

|   |   |
|---|---|
| Operating voltage AC max.                       | 125 V   |
| Operating voltage DC max.                       | 125 V   |
| Current operating per contact max.              | 4 A   |
| <b>Diagnostics</b>                              |   |
| Status indication LED                           | no  |
| <b>Installation   Connection</b>                |   |
| Mounting set                                    | M16 x 1.5   |
| Width across flats                              | SW17  |
| <b>Device protection   Electrical</b>           |   |
| Degree of protection (EN IEC 60529)             | IP67  |
| 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</b>                          |   |
| Contour for corrugated hose                     | without   |
| <b>Mechanical data   Material data</b>          |   |
| Coating housing                                 | nickel plated   |
| Coating locking                                 | Nickeled  |
| Coating of fitting                              | nickel plated   |
| Material gasket                                 | FKM   |
| 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>Conformity</b>                               |   |
| Product standard                                | DIN EN 61076-2-101 (M12)  |
| <b>Approvals</b>                                |   |
| UL 50E  | yes   |
| <b>Installation   Cable</b>                     |   |
| wire arrangement                                | brown, white, blue, black, green-yellow   |
| Cable identification                            | 975   |
| wire arrangement                                | brown, white, blue, black, green-yellow   |
| Material wire insulation                        | PUR   |
| Amount wires                                    | 5   |
| Outer diameter insulation                       | 1,3 mm  |
| Outer diameter tolerance core insulation        | ± 5 %   |
| Conductor crosssection (wire)                   | 0,34 mm²  |
| Material conductor wire                         | copper stranded wire, tinned  |
| Nominal voltage AC max.                         | 300 V   |

|   |  |
|---|--|
| Electrical resistance line constant wire          | 58 $\Omega$ /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                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |