

**M12 female recept. A-cod. rear**

TPE-wires 12x0.14 0.2m

Art.No.: 7000-19185-9790020

Weight: 0.023

Country of origin: DE

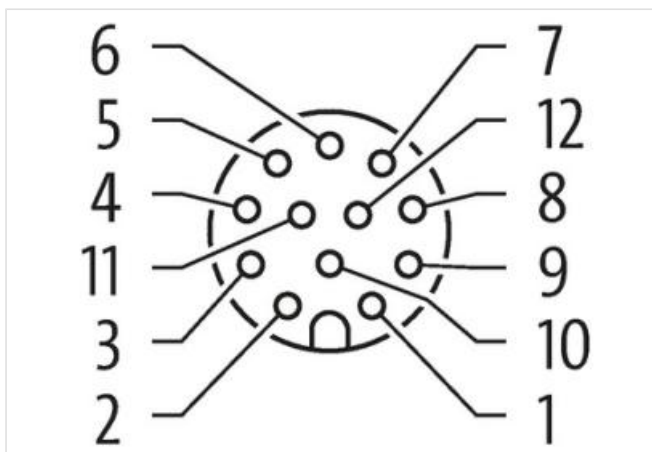
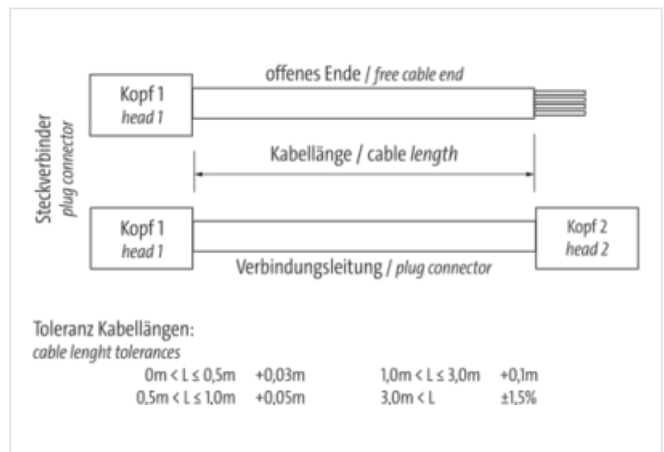
Model designation: MSBFH-12E979\_0.2

Flange female

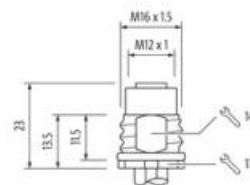
M12, 12-pole

Rear mounting

with multi-strand wire

[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                              | A                 |
| Material contact                    | Copper alloy      |
| Material                            | Brass             |
| No. of poles                        | 12                |
| Width across flats                  | SW14              |
| Degree of protection (EN IEC 60529) | IP67              |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 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      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879332514 |
| GTIN                  | 4048879332514 |
| Packaging unit        | 1             |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                    |       |
|------------------------------------|-------|
| Operating voltage AC max.          | 30 V  |
| Operating voltage DC max.          | 30 V  |
| Current operating per contact max. | 1,5 A |

**Diagnostics**

|                       |    |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

**Installation | Connection**

|                    |           |
|--------------------|-----------|
| Mounting set       | M16 x 1.5 |
| Width across flats | SW19      |

**Device protection | Electrical**

|  |                   |
|--|-------------------|
| Degree of protection (EN IEC 60529)    | IP67              |
| Protection NEMA                        | 3, 4, 6P          |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 0,8 kV            |
| Material group (IEC 60664-1)           | I                 |

**Mechanical data**

|                             |         |
|-----------------------------|---------|
| Contour for corrugated hose | without |
|-----------------------------|---------|

**Mechanical data | Material data**

|                           |               |
|---------------------------|---------------|
| Coating locking           | nickel plated |
| Coating of fitting        | nickel plated |
| Material gasket           | FKM           |
| Locking material          | Brass         |
| Material screw connection | Brass         |

**Mechanical data | Mounting data**

Mounting method inserted, screwed

#### Environmental characteristics | Climatic

|  |                            |
|--|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

#### Important installation notes

|                        |   |
|------------------------|---|
| 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. |

#### Conformity

|                  |                          |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

#### Approvals

|        |     |
|--------|-----|
| UL 50E | yes |
|--------|-----|

#### Installation | Cable

|  |  |
|--|--|
| wire arrangement                         | brown, blue, white, green, pink, yellow, black, gray, red, violet, gray-pink, red-blue |
| Cable identification                     | 979  |
| wire arrangement                         | brown, blue, white, green, pink, yellow, black, gray, red, violet, gray-pink, red-blue |
| Material wire insulation                 | PP   |
| Amount wires                             | 12   |
| Outer diameter insulation                | 1,25 mm  |
| Outer diameter tolerance core insulation | ± 5 %  |
| Conductor crosssection (wire)            | 0,14 mm <sup>2</sup>   |
| Min. operating temperature (static)      | -40 °C   |
| Max. operating temperature (fixed)       | 85 °C  |
| Operating temperature min. (dynamic)     | -25 °C   |
| Operating temperature max. (dynamic)     | 85 °C  |
| Flame resistance                         | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2                                    |
| 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   |
| Bending radius (dynamic)                 | 15 x Outer diameter  |