

**M12 male recept. A-cod. front incl. nut**

PUR-wires 5x0.34 0.2m

Art.No.: 7000-13522-9720020

Weight: 0.028

Country of origin: DE

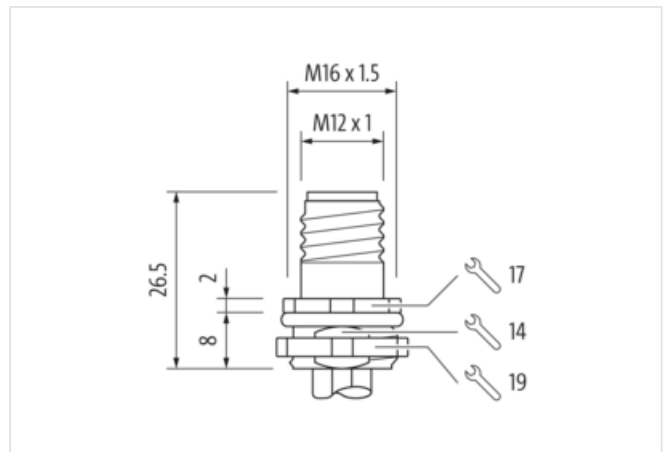
Model designation: MSAFV-U972\_0.2

Flange male

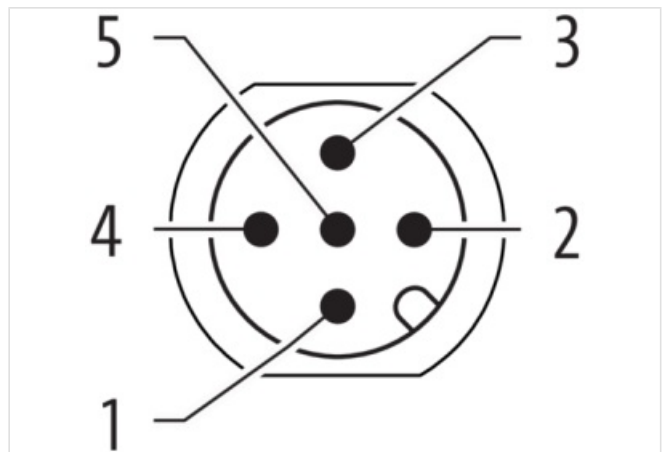
M12, 5-pole

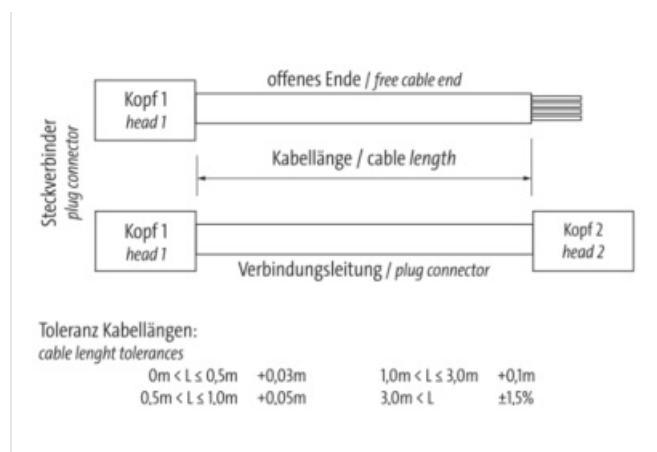
Front mounting

with multi-strand wire

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

|   |    |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |
| 5 | GY |





Product may differ from Image

**Header**

Cable length 0,20 m

**Side 1**

|                                     |                   |
|-------------------------------------|-------------------|
| Family construction form            | M12               |
| No. of poles                        | 5                 |
| Coding                              | A                 |
| Mounting method                     | inserted, screwed |
| Thread                              | M12 x 1           |
| Tightening torque                   | 0.6 Nm            |
| Material                            | Zinc die-casting  |
| Material contact                    | Copper alloy      |
| Coating contact                     | gold plated       |
| Degree of protection (EN IEC 60529) | IP67              |

**Side 2**

Coating contact gold plated

**Commercial data**

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| URL Webshop           | <a href="https://shop.murrelektronik.com/7000-13522-9720020">https://shop.murrelektronik.com/7000-13522-9720020</a> |
| customs tariff number | 85444290                                                                                                            |
| EAN                   | 4048879494205                                                                                                       |
| Packaging unit        | 1                                                                                                                   |

**Electrical data | Supply**

|                                    |       |
|------------------------------------|-------|
| Operating voltage AC max.          | 125 V |
| Operating voltage DC max.          | 125 V |
| Current operating per contact max. | 4 A   |

**Diagnostics**

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

**Installation | Connection**

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

**Device protection | Electrical**

|                 |          |
|-----------------|----------|
| Protection NEMA | 6P, 4, 3 |
|-----------------|----------|

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                         |
| Material screw connection                       | Zinc die-casting                                                                                                                                      |
| Coating of fitting                              | nickel plated                                                                                                                                         |
| Locking material                                | Zinc die-casting                                                                                                                                      |
| Coating locking                                 | Nickeled                                                                                                                                              |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Mounting method                                 | Schraubgewinde                                                                                                                                        |
| Looking techniques                              | Schraubgewinde                                                                                                                                        |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -30 °C                                                                                                                                                |
| Operating temperature max.                      | 85 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| 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. |
| Note on strain relief                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| <b>Conformity</b>                               |                                                                                                                                                       |
| Product standard                                | EN IEC 61076-2-101 (M12)                                                                                                                              |
| <b>Approvals</b>                                |                                                                                                                                                       |
| UL 50E                                          | yes                                                                                                                                                   |
| <b>Temperature range   Cable</b>                |                                                                                                                                                       |
| Cable identification                            | 972                                                                                                                                                   |
| Wire arrangement                                | brown, white, blue, Black, gray                                                                                                                       |
| Cable weight                                    | 38 g/m                                                                                                                                                |
| Material wire insulation                        | PUR                                                                                                                                                   |
| Amount wires                                    | 5                                                                                                                                                     |
| Outer diameter insulation                       | 1.3 mm                                                                                                                                                |
| 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                                                                                                                                        |
| Conductor resistance (wire)                     | 58 Ω/km @ 20 °C                                                                                                                                       |
| Nominal voltage AC max.                         | 300 V                                                                                                                                                 |
| Withstand voltage (wire - wire)                 | 1.5 kV                                                                                                                                                |
| Withstand voltage (wire - jacket)               | 1.5 kV                                                                                                                                                |
| Min. operating temperature (static)             | -40 °C                                                                                                                                                |
| Max. operating temperature (static)             | 90 °C                                                                                                                                                 |
| Operating temperature min. (dynamic)            | -25 °C                                                                                                                                                |
| Operating temperature max. (dynamic)            | 90 °C                                                                                                                                                 |