

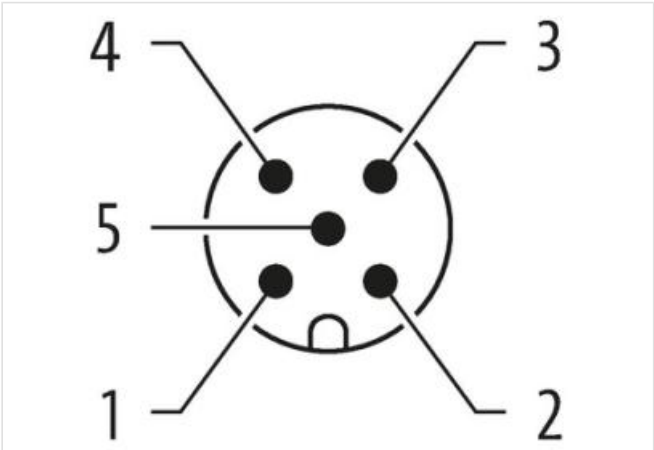
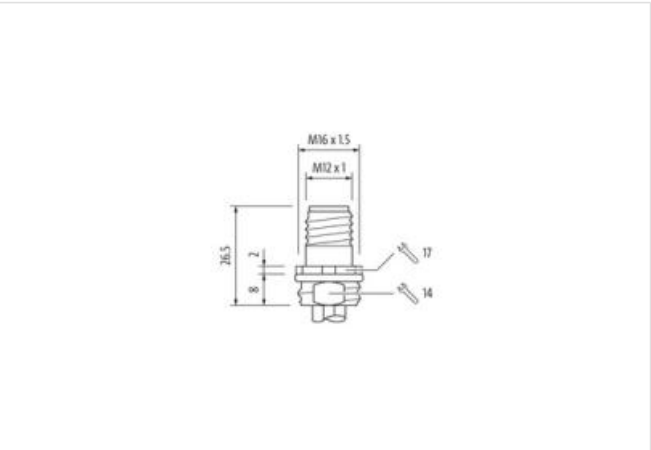
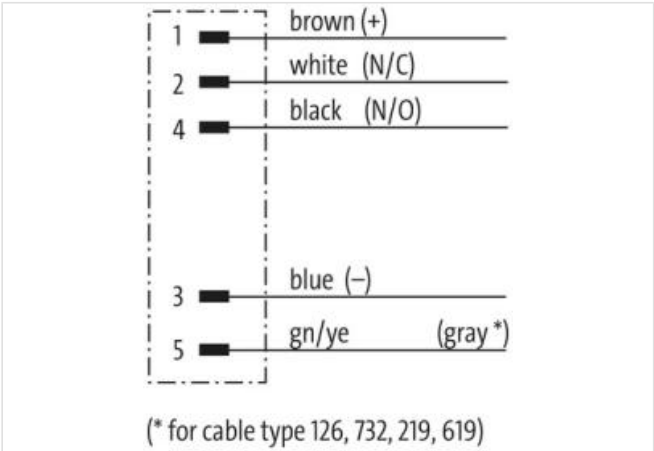
M12 male recept. A-cod. front incl. nut

PP-wires 5x0.34 0.5m

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

Link to Product

Illustration



Product may differ from Image



|                   |                   |
|-------------------|-------------------|
| Cable length      | 0,5 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                            | Zinc die-casting |
| No. of poles                        | 5                |
| Degree of protection (EN IEC 60529) | IP67             |

**Side 2**

|                 |             |
|-----------------|-------------|
| Coating contact | gold plated |
|-----------------|-------------|

**Commercial data**

|                       |               |
|-----------------------|---------------|
| 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                  | 4048879494212 |
| 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                        | 3, 4, 6P          |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 1,5 kV            |
| Material group (IEC 60664-1)           | I                 |

**Mechanical data**

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

**Mechanical data | Material data**

|                           |                  |
|---------------------------|------------------|
| Coating housing           | nickel plated    |
| Coating locking           | Nickeled         |
| Coating of fitting        | nickel plated    |
| Locking material          | Zinc die-casting |
| Material screw connection | Zinc die-casting |

**Mechanical data | Mounting data**

|                    |                |
|--------------------|----------------|
| Mounting method    | Schraubgewinde |
| Looking techniques | Schraubgewinde |

**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 |
|--------|-----|

#### Resistances | Cable

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| wire arrangement                                  | brown, white, blue, black, gray                      |
| 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 mm²                                             |
| 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 |