

**M12 male recept. Y-cod. rear**

PP-wires AWG20/26 0.3m

Art.No.: 7000-15605-9420030

Weight: 0.046

Country of origin: DE

Model designation: MSYAFH-08D942\_0.3

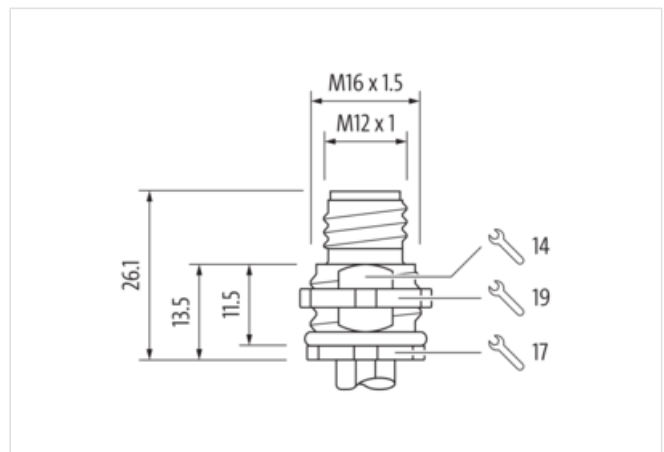
Flange male

M12, 8-pole

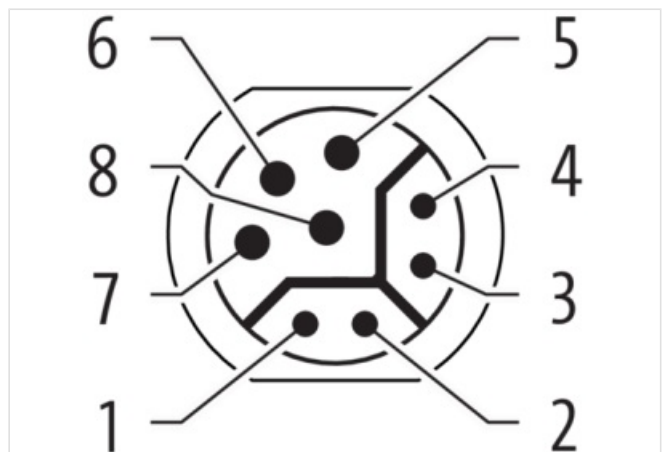
Y-coded

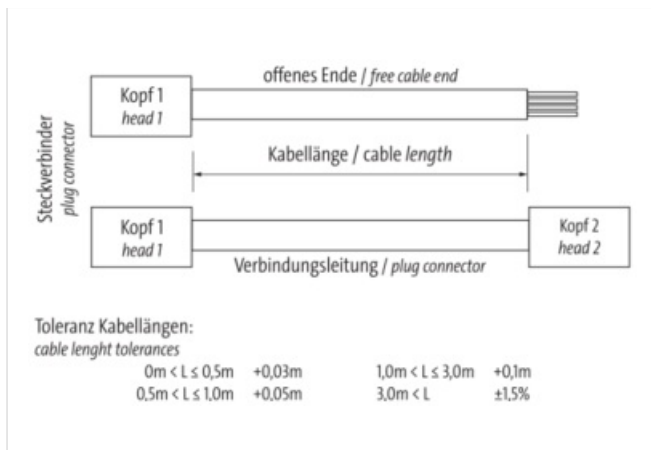
Rear mounting

with multi-strand wire

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

|   |       |
|---|-------|
| 1 | OG WH |
| 2 | OG    |
| 3 | GN WH |
| 4 | GN    |
| 5 | BU    |
| 6 | WH    |
| 7 | BN    |
| 8 | BK    |





Product may differ from Image

**Header**

Cable length 0,30 m

**Side 1**

|                                     |                   |
|-------------------------------------|-------------------|
| Family construction form            | M12               |
| No. of poles                        | 8                 |
| Coding                              | Y                 |
| Mounting method                     | inserted, screwed |
| Thread                              | M12 x 1           |
| Tightening torque                   | 0.6 Nm            |
| Material                            | Brass             |
| Coating head                        | nickel plated     |
| Material contact                    | Copper alloy      |
| Coating contact                     | gold plated       |
| Degree of protection (EN IEC 60529) | IP67              |

**Commercial data**

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| URL Webshop           | <a href="https://shop.murrelektronik.com/7000-15605-9420030">https://shop.murrelektronik.com/7000-15605-9420030</a> |
| customs tariff number | 85444290                                                                                                            |
| EAN                   | 4048879690058                                                                                                       |
| Packaging unit        | 1                                                                                                                   |

**Electrical data | Supply**

|                                          |       |
|------------------------------------------|-------|
| Operating voltage AC max.                | 50 V  |
| Operating voltage DC max.                | 50 V  |
| Operating current per data contact max.  | 0.5 A |
| Operating current per power contact max. | 6 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          | 0.8 kV |
| Material group (IEC 60664-1) | I      |

#### Mechanical data

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

#### Mechanical data | Material data

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

#### Mechanical data | Mounting data

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

#### Environmental characteristics | Climatic

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -30 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

#### Important installation notes

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

#### Conformity

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

#### Approvals

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

#### Installation | Cable

|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| Cable identification                 | 942                                                                     |
| Wire arrangement                     | (Black, brown, white, blue), (orange-white, orange, green-white, green) |
| Cable weight                         | 38.8 g/m                                                                |
| Material wire insulation             | PP                                                                      |
| Amount wires                         | 4                                                                       |
| Amount strands (wire)                | 19                                                                      |
| Conductor crosssection (wire)        | 20 AWG                                                                  |
| Amount wires (type 2)                | 4                                                                       |
| Amount strands wire (type 2)         | 19                                                                      |
| Conductor crosssection wire (type 2) | 26 AWG                                                                  |
| Min. operating temperature (static)  | -50 °C                                                                  |
| Max. operating temperature (static)  | 80 °C                                                                   |
| Operating temperature min. (dynamic) | -40 °C                                                                  |
| Operating temperature max. (dynamic) | 80 °C                                                                   |
| Bending radius (fixed)               | 5 × Outer diameter                                                      |
| Bending radius (dynamic)             | 10 × Outer diameter                                                     |
| No. of bending cycles (C-track)      | 5 Mio.                                                                  |
| No. of torsion cycles                | 2 Mio.                                                                  |
| Torsion stress                       | 30 °C                                                                   |