

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

PVC 5x0.34 shielded bk UL/CSA 2m

Art.No.: 7000-13621-6020200

Weight: 0.15

Country of origin: DE

Model designation: MSBFH-U602\_2.0-ZS

Flange female

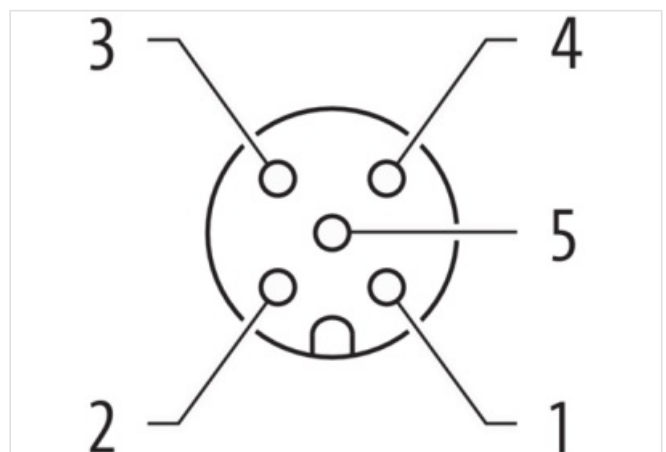
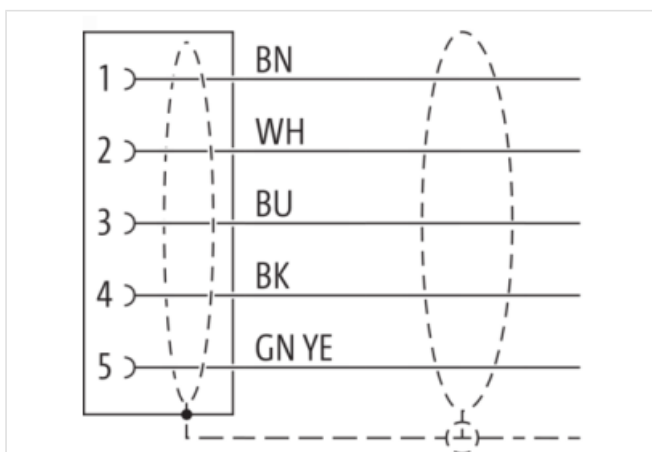
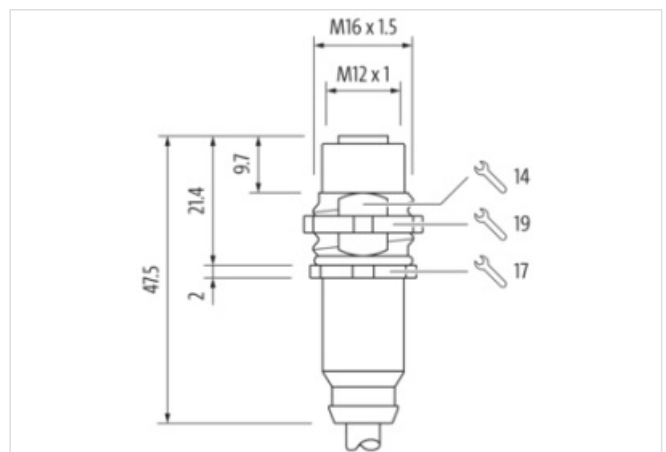
M12, 5-pole

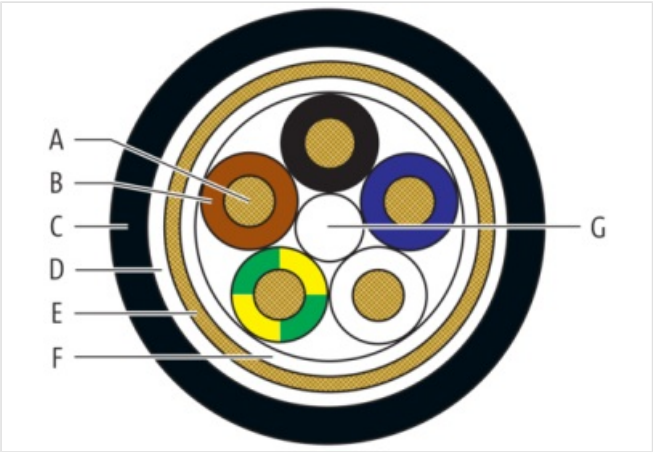
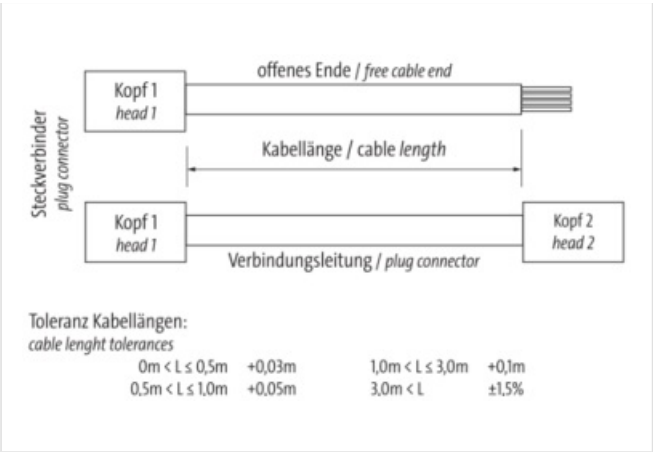
shielded

Rear mounting

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



| Header                              |                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Cable length                        | 2,00 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                            | Brass                                                                                                               |
| Material contact                    | Copper alloy                                                                                                        |
| Coating contact                     | gold plated                                                                                                         |
| Degree of protection (EN IEC 60529) | IP67                                                                                                                |
| Side 2                              |                                                                                                                     |
| Stripping length (jacket)           | 20 mm                                                                                                               |
| Coating contact                     | gold plated                                                                                                         |
| Commercial data                     |                                                                                                                     |
| URL Webshop                         | <a href="https://shop.murrelektronik.com/7000-13621-6020200">https://shop.murrelektronik.com/7000-13621-6020200</a> |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| customs tariff number                           | 85444290                                                                                                                                              |
| EAN                                             | 4048879529389                                                                                                                                         |
| Packaging unit                                  | 1                                                                                                                                                     |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                       |
| Operating voltage AC max.                       | 60 V                                                                                                                                                  |
| Operating voltage DC max.                       | 60 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                              | SW19                                                                                                                                                  |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| 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   Material data</b>          |                                                                                                                                                       |
| Material screw connection                       | Brass                                                                                                                                                 |
| Coating of fitting                              | nickel plated                                                                                                                                         |
| Locking material                                | Brass                                                                                                                                                 |
| Coating locking                                 | nickel plated                                                                                                                                         |
| Material gasket                                 | FKM                                                                                                                                                   |
| <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>Approvals</b>                                |                                                                                                                                                       |
| UL 50E                                          | yes                                                                                                                                                   |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| Cable identification                            | 602                                                                                                                                                   |
| Cable Type                                      | 1                                                                                                                                                     |
| Amount stranding                                | 1                                                                                                                                                     |
| Stranding                                       | 5 wires around core filler twisted                                                                                                                    |
| Cable shielding (type)                          | copper braid, tinned                                                                                                                                  |
| Cable shielding (coverage)                      | 80 %                                                                                                                                                  |
| Banding                                         | Fleece, Foil                                                                                                                                          |
| Filler                                          | yes                                                                                                                                                   |
| Wire arrangement                                | brown, Black, blue, white, green-yellow                                                                                                               |
| Cable weight                                    | 62 g/m                                                                                                                                                |
| Material wire insulation                        | PVC                                                                                                                                                   |
| Amount wires                                    | 5                                                                                                                                                     |
| Outer diameter insulation                       | 1.25 mm                                                                                                                                               |

|                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| Outer diameter tolerance core insulation | ± 0.05 mm                                        |
| Shore hardness wire insulation           | 45 ± 5 Shore D                                   |
| Material properties wire insulation      | good machinability                               |
| Ingredient freeness wire insulation      | CFC-free, cadmium-free, silicone-free, lead-free |
| Amount strands (wire)                    | 19                                               |
| Diameter of single wires                 | 0.15 mm                                          |
| Conductor crosssection (wire)            | 0.34 mm <sup>2</sup>                             |
| Material conductor wire                  | Stranded copper wire, bare                       |
| Conductor type (wire)                    | Strand class 5                                   |
| Outer-diameter (jacket)                  | 5.6 mm                                           |
| Tolerance outer diameter (sheath)        | ± 5 %                                            |
| Material jacket                          | PVC                                              |
| Shore hardness jacket                    | 85 ± 5 Shore A                                   |
| Freedom from ingredients (jacket)        | CFC-free, cadmium-free, silicone-free, lead-free |
| Material property (jacket)               | good machinability                               |
| Conductor resistance (wire)              | 57 Ω/km @ 20 °C                                  |
| Nominal voltage AC max.                  | 300 V                                            |
| Withstand voltage (wire - wire)          | 2 kV @ 60 s                                      |
| Withstand voltage (wire - jacket)        | 2 kV @ 60 s                                      |
| Withstand voltage (wire - shield)        | 2 kV @ 60 s                                      |
| Current load capacity (standard)         | to DIN VDE 0298-4                                |
| Current load capacity min. wire          | 4.5 A                                            |
| Min. operating temperature (static)      | -30 °C                                           |
| Max. operating temperature (static)      | 80 °C                                            |
| Operating temperature min. (dynamic)     | -5 °C                                            |
| Operating temperature max. (dynamic)     | 80 °C                                            |
| Flame resistance                         | UL 1581 § 1080, CSA FT1, IEC 60332-1-2           |
| Oil resistance                           | good                                             |
| Chemical resistance                      | good                                             |
| Other resistances                        | good resistance to gasoline                      |
| Bending radius (fixed)                   | 10 × Outer diameter                              |
| Bending radius (dynamic)                 | 15 × Outer diameter                              |