

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

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 10m

Ethernet CAT5

Flange female

M12, 4-pole

D-coded

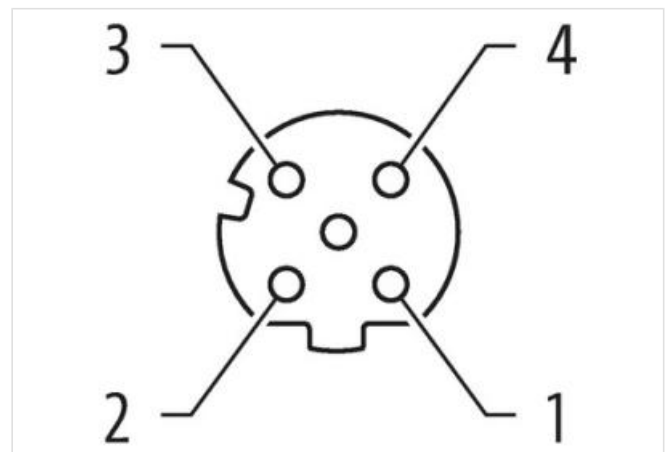
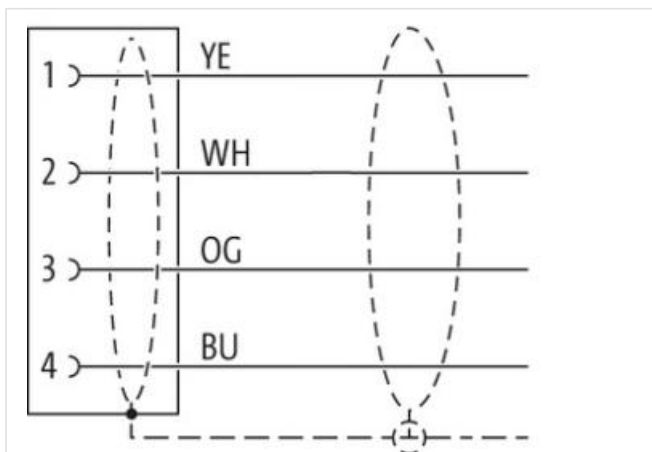
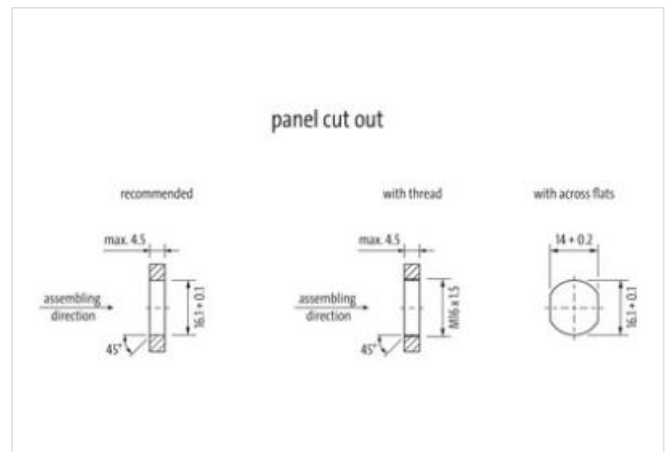
shielded

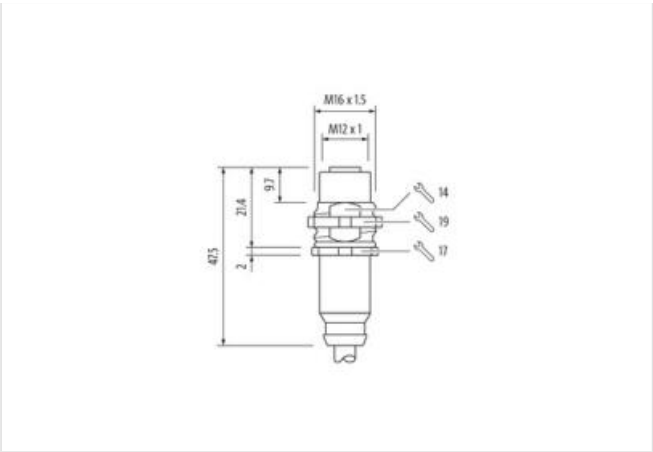
Rear mounting

USA

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



|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Cable length                                      | 10 m                                             |
| Side 1                                            |                                                  |
| Mounting method                                   | inserted, screwed                                |
| Family construction form                          | M12                                              |
| suitable for corrugated tube (internal Ø)         | 10 mm                                            |
| No. of poles                                      | 4                                                |
| Width across flats                                | SW14                                             |
| Degree of protection (EN IEC 60529)               | IP67                                             |
| Side 2                                            |                                                  |
| Family construction form                          | free cable end                                   |
| 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                                          | EC002599                                         |
| customs tariff number                             | 85444290                                         |
| GTIN                                              | 4048879602419                                    |
| Packaging unit                                    | 1                                                |
| Electrical data   Supply                          |                                                  |
| Operating voltage DC max.                         | 60 V                                             |
| Current operating per contact max.                | 1,5 A                                            |
| Industrial communication                          |                                                  |
| Transfer parameters                               | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max.                       | 100 MBit/s                                       |
| Industrial communication   Ethernet functionality |                                                  |
| duplex                                            | Full duplex                                      |
| 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                 |

#### 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. |

#### Installation | Cable

|                                          |                                                      |
|------------------------------------------|------------------------------------------------------|
| wire arrangement                         | (white, blue), (orange, yellow)                      |
| Cable identification                     | S7V                                                  |
| Jacket Color                             | green                                                |
| Type of Certificate                      | cURus                                                |
| Amount stranding                         | 2                                                    |
| Stranding                                | 2 wires twisted                                      |
| Amount stranding (type 2)                | 1                                                    |
| Stranding (type 2)                       | 2 Stranded joints twisted                            |
| Cable shielding (type)                   | copper braid, tinned                                 |
| Cable shielding (coverage)               | 75 %                                                 |
| Banding                                  | Foil                                                 |
| wire arrangement                         | (white, blue), (orange, yellow)                      |
| Cable weight                             | 74,8 g/m                                             |
| Material jacket                          | TPE                                                  |
| Freedom from ingredients (jacket)        | lead-free, CFC-free, halogen-free                    |
| Outer-diameter (jacket)                  | 7,87 mm                                              |
| Tolerance outer diameter (sheath)        | ± 5 %                                                |
| Material wire insulation                 | HDPE                                                 |
| Amount wires                             | 4                                                    |
| Outer diameter insulation                | 1,47 mm                                              |
| Outer diameter tolerance core insulation | ± 5 %                                                |
| Ingredient freeness wire insulation      | lead-free, CFC-free, halogen-free                    |
| Amount strands (wire)                    | 19                                                   |
| Diameter of single wires                 | 22 AWG                                               |
| Conductor crosssection (wire)            | 22 AWG                                               |
| Material conductor wire                  | copper stranded wire, tinned                         |
| Nominal voltage AC max.                  | 600 V                                                |
| Min. operating temperature (static)      | -40 °C                                               |
| Max. operating temperature (fixed)       | 80 °C                                                |
| UV resistance                            | DIN EN ISO 4892-2 A                                  |
| Flame resistance                         | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| chemical resistance                      | Good, application-related testing                    |
| Gasoline resistance                      | Good, application-related testing                    |
| Oil resistance                           | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                   | 8 x Outer diameter                                   |
| No. of bending cycles (C-track)          | 35 Mio. @ 25 °C                                      |
| No. of torsion cycles                    | 5 Mio. 25 °C                                         |
| Torsion stress                           | ± 180 °/m                                            |