

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

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 3m

Ethernet CAT5

Flange female

M12, 8-pole

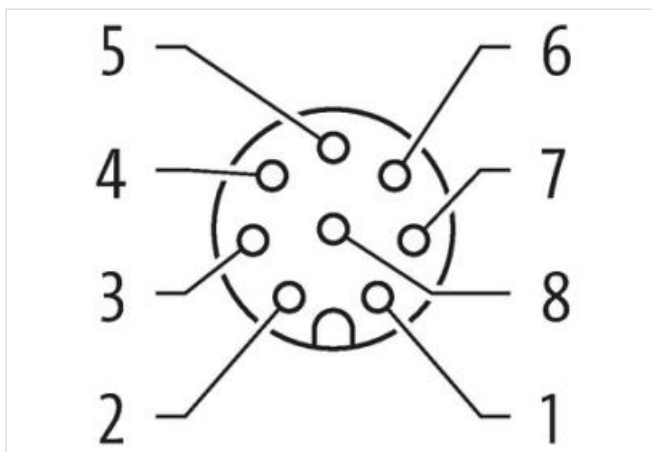
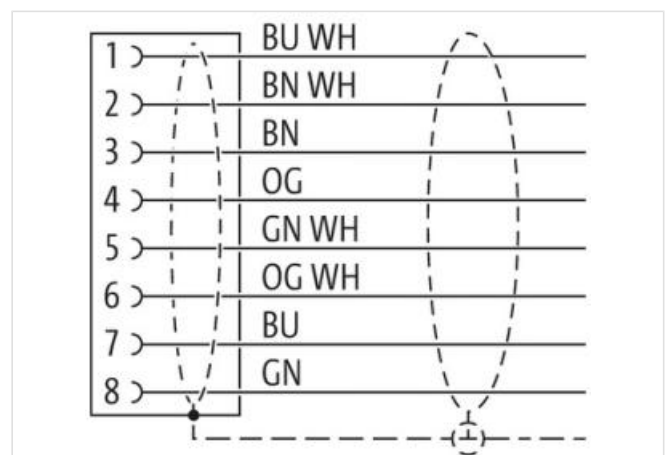
shielded

Rear mounting

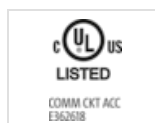
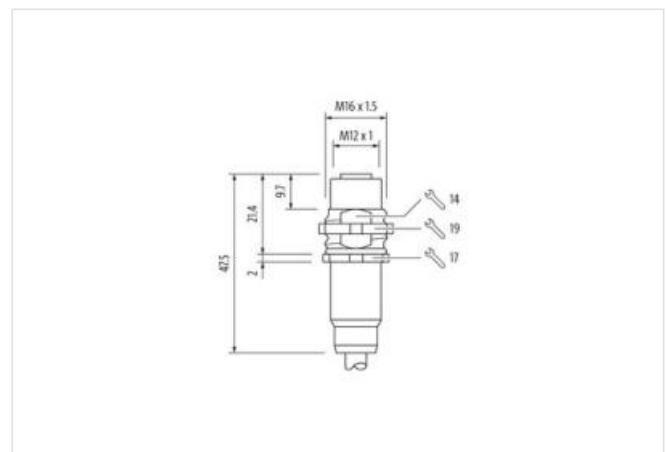
USA

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

3 m

**Side 1**

|   |   |
|---|---|
| Mounting method                                 | inserted, screwed   |
| Family construction form                        | M12   |
| Coding  | A   |
| No. of poles                                    | 8   |
| Degree of protection (EN IEC 60529)             | IP67  |
| <b>Side 2</b>                                   |   |
| Family construction form                        | free cable end  |
| <b>Commercial data</b>                          |   |
| ECLASS-6.0                                      | 27279218  |
| ECLASS-7.0                                      | 27279218  |
| ECLASS-8.0                                      | 27279218  |
| ECLASS-9.0                                      | 27060311  |
| ECLASS-10.1                                     | 27440103  |
| ECLASS-11.1                                     | 27440103  |
| ECLASS-12.0                                     | 27440103  |
| ETIM-5.0  | EC002599  |
| customs tariff number                           | 85444290  |
| GTIN  | 4048879602532   |
| Packaging unit                                  | 1   |
| <b>Electrical data   Supply</b>                 |   |
| Operating voltage DC max.                       | 60 V  |
| Operating voltage AC (UL-listed)                | 30 V  |
| Operating voltage DC (UL-listed)                | 30 V  |
| Current operating per contact max.              | 1,5 A   |
| <b>Industrial communication</b>                 |   |
| Transfer parameters                             | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  |
| Data transmission rate max.                     | 1000 MBit/s   |
| <b>Device protection   Electrical</b>           |   |
| Protection NEMA                                 | 3, 4, 6P  |
| Additional condition protection degree          | inserted, screwed   |
| Pollution Degree                                | 3   |
| Rated surge voltage                             | 0,8 kV  |
| Material group (IEC 60664-1)                    | I   |
| <b>Mechanical data</b>                          |   |
| Contour for corrugated hose                     | without   |
| <b>Environmental characteristics   Climatic</b> |   |
| Operating temperature min.                      | -25 °C  |
| Operating temperature max.                      | 85 °C   |
| Additional condition temperature range          | depending on cable quality  |
| <b>Important installation notes</b>             |   |
| 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. |
| <b>Conformity</b>                               |   |
| Product standard                                | DIN EN 61076-2-101 (M12)  |
| <b>Approvals</b>                                |   |
| UL 50E  | yes   |
| <b>Installation   Cable</b>                     |   |
| Cable identification                            | S4W   |
| Jacket Color                                    | blue  |

|   |  |
|---|--|
| Type of Certificate                               | cURus  |
| Amount stranding                                  | 4  |
| Stranding   | 2 wires twisted  |
| Stranding (type 2)                                | 4 Stranded joints twisted  |
| Banding   | Foil   |
| wire arrangement                                  | (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green) |
| Cable weigth                                      | 74,8 g/m   |
| Material jacket                                   | TPE  |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free  |
| Outer-diameter (jacket)                           | 7,6 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | HDPE   |
| Amount wires                                      | 8  |
| Outer diameter insulation                         | 1,17 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Ingredient freeness wire insulation               | lead-free, CFC-free  |
| Amount strands (wire)                             | 7  |
| Diameter of single wires                          | 24 AWG   |
| Conductor crosssection (wire)                     | 24 AWG   |
| Material conductor wire                           | copper stranded wire, tinned   |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 4 A  |
| Electrical resistance line constant wire          | 59 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 3 kV @ 60 s  |
| Electrical capacity line constant (wire - wire)   | 49000 pF/km  |
| Power frequency withstand voltage (wire - jacket) | 3 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 70 °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                                    | DIN EN 60811-404   Good, application-related testing                                   |
| Bending radius (fixed)                            | 5 x Outer diameter   |
| Bending radius (dynamic)                          | 10 x Outer diameter  |
| Travel speed (C-track)                            | 1 Mio. @ 25 °C   |
| No. of torsion cycles                             | 3 Mio. 25 °C   |
| Torsion stress                                    | ± 270 °/m  |