

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

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 5m

Ethernet CAT5

Flange female

M12, 4-pole

D-coded

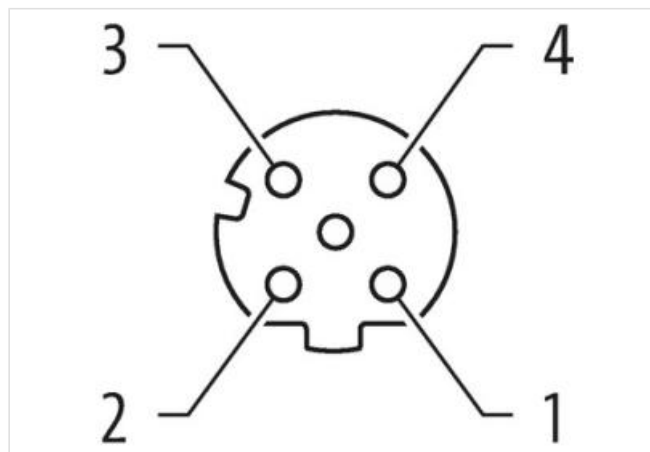
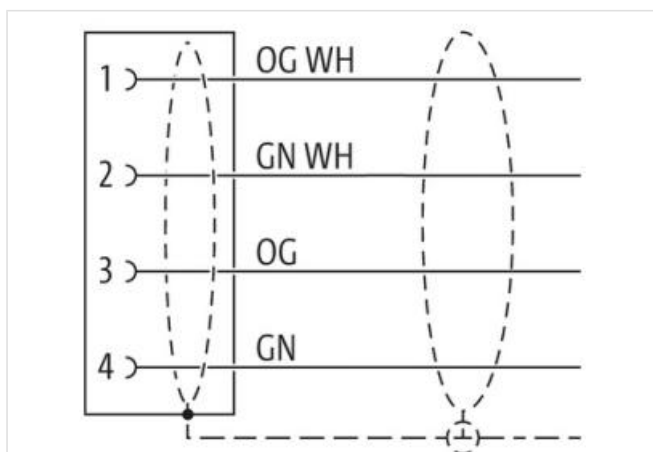
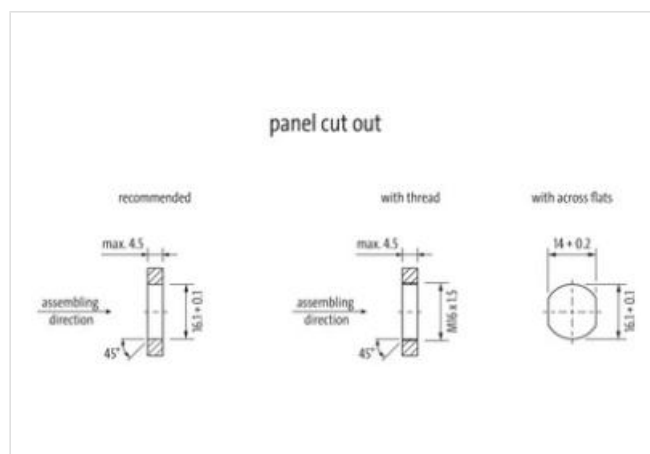
shielded

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                                      | 5 m                                              |
| Side 1                                            |                                                  |
| Mounting method                                   | inserted, screwed                                |
| Family construction form                          | M12                                              |
| Thread                                            | M12 x 1                                          |
| Coding                                            | D                                                |
| No. of poles                                      | 4                                                |
| Width across flats                                | SW14                                             |
| Degree of protection (EN IEC 60529)               | IP67                                             |
| Side 2                                            |                                                  |
| Stripping length (jacket)                         | 20 mm                                            |
| 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                                              | 4048879600149                                    |
| 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

| Installation   Connection                         |                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stripping length (jacket)                         | 20 mm                                                                                                                                                 |
| 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                                  | (orange-white, orange), (green-white, green)                                                                                                          |
| Cable identification                              | S4U                                                                                                                                                   |
| Jacket Color                                      | teal                                                                                                                                                  |
| Type of Certificate                               | cURus                                                                                                                                                 |
| Amount stranding                                  | 2                                                                                                                                                     |
| Stranding                                         | 2 wires twisted                                                                                                                                       |
| Stranding (type 2)                                | 2 Stranded joints twisted                                                                                                                             |
| Cable shielding (type)                            | Metal fleece                                                                                                                                          |
| Cable shielding (coverage)                        | 75 %                                                                                                                                                  |
| Banding                                           | Fleece                                                                                                                                                |
| wire arrangement                                  | (orange-white, orange), (green-white, green)                                                                                                          |
| Cable weight                                      | 55,66 g/m                                                                                                                                             |
| Material jacket                                   | TPE                                                                                                                                                   |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free                                                                                                                                   |
| Outer-diameter (jacket)                           | 6,6 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                                                                                                                 |
| Material wire insulation                          | HDPE                                                                                                                                                  |
| Amount wires                                      | 4                                                                                                                                                     |
| Outer diameter insulation                         | 1,25 mm                                                                                                                                               |
| Outer diameter tolerance core insulation          | ± 5 %                                                                                                                                                 |
| Shore hardness wire insulation                    | 65 ± 3 Shore D                                                                                                                                        |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Amount strands (wire)                             | 7                                                                                                                                                     |
| Diameter of single wires                          | 22 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                   | 4,8 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 (installation)        | x Outer diameter                                     |
| Bending radius (fixed)               | 7 x Outer diameter                                   |
| Bending radius (dynamic)             | 12 x Outer diameter                                  |