

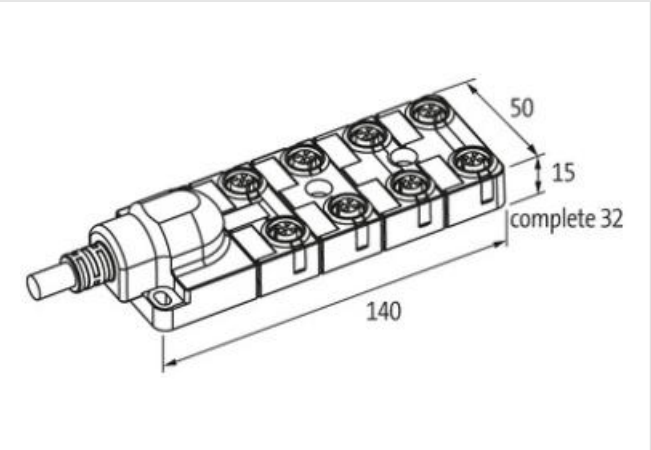
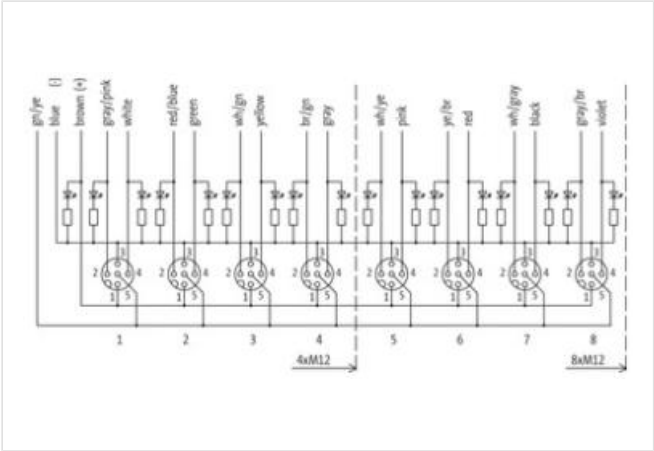
Exact12, 8xM12, 5-pole, moulded cable

15.0m PUR 16x0.5+3x1.0, UL/CSA

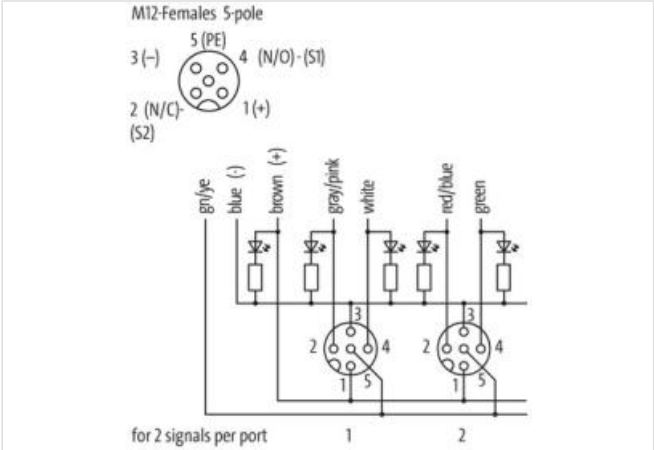
8-way, 5-pole  
15.0 m  
ATEX Zone 2 and 22  
Further cable lengths on request.  
Plastic housings with good resistance against chemicals and oils.  
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration



Product may differ from Image



| 取引条件       |          |
|------------|----------|
| ECLASS-6.0 | 27143423 |
| ECLASS-6.1 | 27279219 |
| ECLASS-7.0 | 27279219 |
| ECLASS-8.0 | 27279219 |

|                                          |                                                                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ECLASS-9.0                               | 27440108                                                                                                                                                                             |
| ECLASS-10.1                              | 27440108                                                                                                                                                                             |
| ECLASS-11.1                              | 27440108                                                                                                                                                                             |
| ECLASS-12.0                              | 27440108                                                                                                                                                                             |
| ETIM-5.0                                 | EC001855                                                                                                                                                                             |
| GTIN                                     | 4048879655637                                                                                                                                                                        |
| HSコード                                    | 85444290                                                                                                                                                                             |
| Packaging unit                           | 1                                                                                                                                                                                    |
| Electrical data   Supply                 |                                                                                                                                                                                      |
| Operating voltage DC                     | 24 V                                                                                                                                                                                 |
| Current operating per contact max.       | 4 A                                                                                                                                                                                  |
| Installation   Connection                |                                                                                                                                                                                      |
| Mounting set                             | M12 x 1                                                                                                                                                                              |
| Device protection   Electrical           |                                                                                                                                                                                      |
| Degree of protection (EN IEC 60529)      | IP65, IP67                                                                                                                                                                           |
| Device protection   Media                |                                                                                                                                                                                      |
| Flame resistance                         | flame retardant                                                                                                                                                                      |
| Mechanical data   Material data          |                                                                                                                                                                                      |
| Material housing                         | Plastic                                                                                                                                                                              |
| Mechanical data   Mounting data          |                                                                                                                                                                                      |
| Mounting method                          | Schraubgewinde                                                                                                                                                                       |
| Environmental characteristics   Climatic |                                                                                                                                                                                      |
| Operating temperature min.               | -20 °C                                                                                                                                                                               |
| Operating temperature max.               | 40 °C                                                                                                                                                                                |
| Additional condition temperature range   | depending on cable quality                                                                                                                                                           |
| Installation   Cable                     |                                                                                                                                                                                      |
| Cable identification                     | 452                                                                                                                                                                                  |
| Jacket Color                             | gray                                                                                                                                                                                 |
| Type of Certificate                      | cURus                                                                                                                                                                                |
| Amount stranding                         | 1                                                                                                                                                                                    |
| Stranding                                | 7 wires around Core filler twisted                                                                                                                                                   |
| Amount stranding (type 2)                | 1                                                                                                                                                                                    |
| Stranding (type 2)                       | 12 wires counter-rotating twisted                                                                                                                                                    |
| Banding                                  | Fleece                                                                                                                                                                               |
| Filler                                   | yes                                                                                                                                                                                  |
| wire arrangement                         | gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) |
| No. of bending cycles (C-track)          | 5 Mio. @ 25 °C                                                                                                                                                                       |
| Cable weigth                             | 231 g/m                                                                                                                                                                              |
| Material jacket                          | PUR                                                                                                                                                                                  |
| Shore hardness jacket                    | 94 ± 5 Shore A                                                                                                                                                                       |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free                                                                                                                                      |
| Outer-diameter (jacket)                  | 11,5 mm                                                                                                                                                                              |
| Tolerance outer diameter (sheath)        | ± 5 %                                                                                                                                                                                |
| Material wire insulation                 | TPE-E                                                                                                                                                                                |
| Amount wires                             | 16                                                                                                                                                                                   |
| Outer diameter insulation                | 1,6 mm                                                                                                                                                                               |
| Outer diameter tolerance core insulation | ± 5 %                                                                                                                                                                                |
| Shore hardness wire insulation           | 55 ± 5 Shore D                                                                                                                                                                       |
| Ingredient freeness wire insulation      | lead-free, CFC-free, halogen-free, silicone-free, LABS-free                                                                                                                          |
| Amount strands (wire)                    | 64                                                                                                                                                                                   |

|                                                         |                                                      |
|---------------------------------------------------------|------------------------------------------------------|
| Diameter of single wires                                | 0,1 mm                                               |
| Conductor crossection (wire)                            | 0,5 mm <sup>2</sup>                                  |
| Material conductor wire                                 | Stranded copper wire, bare                           |
| Conductor type (wire)                                   | strand class 6                                       |
| Material wire insulation (Data)                         | TPE-E                                                |
| Outer diameter wire insulation (Data)                   | 2,1 mm                                               |
| Tolerance outer diameter wire insulation (data)         | ± 5 %                                                |
| Shore hardness wire insulation (Data)                   | 55 ± 5 Shore D                                       |
| Ingredient freeness wire insulation (Data)              | lead-free, halogen-free, silicone-free, LABS-free    |
| Amount wires (Data)                                     | 3                                                    |
| Amount strands wire (Data)                              | 128                                                  |
| Diameter of single wires (Data)                         | 0,1 mm                                               |
| Conductor crossection wire (Data)                       | 1 mm <sup>2</sup>                                    |
| Material conductor wire (Data)                          | Stranded copper wire, bare                           |
| Wire conductor type (Data)                              | strand class 6                                       |
| Traversing distance (C-track)                           | 5 m @ 25 °C                                          |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                         | 5,9 A                                                |
| Current load capacity min. Wire (Data)                  | 15 A                                                 |
| Electrical resistance line constant wire                | 39 Ω/km @ 20 °C                                      |
| Electrical resistance coating wire (Data)               | 20 Ω/km @ 20 °C                                      |
| Max. rated voltage power (conductor - ground)           | 300 V                                                |
| Max. rated voltage power (conductor - conductor)        | 300 V                                                |
| Power frequency withstand voltage power (wire - jacket) | 2 kV @ 60 s                                          |
| AC withstand voltage power (wire - wire)                | 2 kV @ 60 s                                          |
| Min. operating temperature (static)                     | -40 °C                                               |
| Max. operating temperature (fixed)                      | 90 °C                                                |
| Operating temperature min. (dynamic)                    | -20 °C                                               |
| Operating temperature max. (dynamic)                    | 90 °C                                                |
| Flame resistance                                        | UL 1581 § 1100 FT2   IEC 60332-2-2   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 (installation)                           | x Outer diameter                                     |
| Bending radius (fixed)                                  | 8 x Outer diameter                                   |
| Bending radius (dynamic)                                | 10 x Outer diameter                                  |

#### Connection type 2

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| No. of poles             | 19             |
| Family construction form | M12            |
| Gender                   | female         |
| Color contact carrier    | black          |
| Coding                   | A              |
| No. of poles             | 5              |
| PIN 1                    | +              |
| PIN 2                    | NC S 2         |
| PIN 3                    | -              |
| PIN 4                    | NO S 1         |
| PIN 5                    | PE             |