

## EXACT12, 4XM12, 5-POLE, MOULDED CABLE

10.0m PUR 8x0,5+3x1,0

4-way, 5-pole

for NPN signals 24 V DC

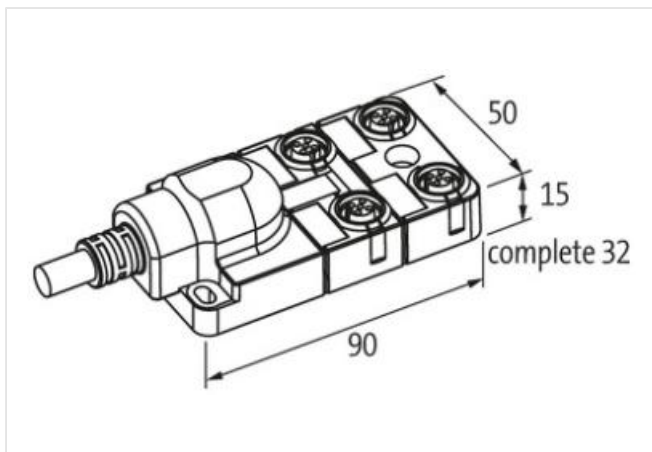
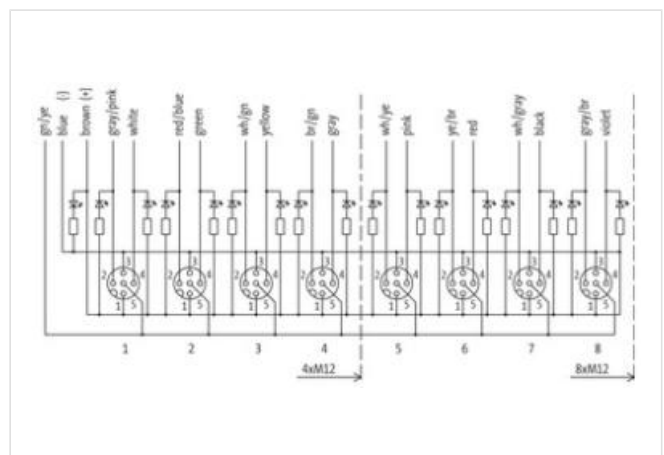
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

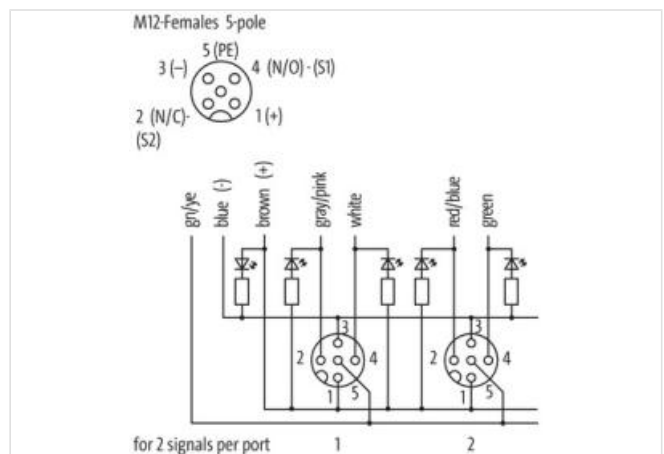
The resistance to aggressive media should be individually tested for your application. Further details on request.

### Länk till produkt

#### Illustration



Produkten kan skilja sig från bilden



#### Kommersiella uppgifter

|            |          |
|------------|----------|
| ECLASS-6.0 | 27279219 |
| ECLASS-7.0 | 27279219 |
| ECLASS-8.0 | 27279219 |
| ECLASS-9.0 | 27440108 |

|                                                 |                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| ETIM-5.0                                        | EC002585                                                                                               |
| Förpackningsenhet                               | 1                                                                                                      |
| GTIN                                            | 4048879055710                                                                                          |
| Kundens tullnummer                              | 85444290                                                                                               |
| <b>Electrical data   Supply</b>                 |                                                                                                        |
| Operating voltage DC                            | 24 V                                                                                                   |
| Current operating per contact max.              | 4 A                                                                                                    |
| <b>Installation   Connection</b>                |                                                                                                        |
| Mounting set                                    | M12 x 1                                                                                                |
| <b>Device protection   Electrical</b>           |                                                                                                        |
| Degree of protection (EN IEC 60529)             | IP65, IP67                                                                                             |
| <b>Device protection   Media</b>                |                                                                                                        |
| Flame resistance                                | flame retardant                                                                                        |
| <b>Mechanical data   Material data</b>          |                                                                                                        |
| Material housing                                | Plastic                                                                                                |
| <b>Mechanical data   Mounting data</b>          |                                                                                                        |
| Mounting method                                 | Schraubgewinde                                                                                         |
| <b>Environmental characteristics   Climatic</b> |                                                                                                        |
| Operating temperature min.                      | -20 °C                                                                                                 |
| Operating temperature max.                      | 70 °C                                                                                                  |
| Additional condition temperature range          | depending on cable quality                                                                             |
| <b>Installation   Cable</b>                     |                                                                                                        |
| Cable identification                            | 448                                                                                                    |
| Jacket Color                                    | gray                                                                                                   |
| Type of Certificate                             | cURus                                                                                                  |
| Amount stranding                                | 1                                                                                                      |
| Stranding                                       | 2 wires with Filler twisted                                                                            |
| Stranding factor min.                           | 51 mm                                                                                                  |
| Stranding factor max.                           | 51 mm                                                                                                  |
| Amount stranding (type 2)                       | 1                                                                                                      |
| Stranding (type 2)                              | 9 wires around Stranding combination counter-rotating twisted                                          |
| Stranding factor min. (type 2)                  | 100 mm                                                                                                 |
| Stranding factor max. (type 2)                  | 100 mm                                                                                                 |
| Banding                                         | Fleece                                                                                                 |
| Filler                                          | yes                                                                                                    |
| wire arrangement                                | white, yellow, (blue, brown, green-yellow, gray, gray-pink, red-blue, green, green-white, brown-green) |
| Cable weight                                    | 146,3 g/m                                                                                              |
| Material jacket                                 | PUR                                                                                                    |
| Shore hardness jacket                           | 94 ± 5 Shore A                                                                                         |
| Freedom from ingredients (jacket)               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free                              |
| Outer-diameter (jacket)                         | 9 mm                                                                                                   |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                  |
| Material wire insulation                        | TPE-E                                                                                                  |
| Amount wires                                    | 8                                                                                                      |
| Outer diameter insulation                       | 1,6 mm                                                                                                 |
| Outer diameter tolerance core insulation        | ± 5 %                                                                                                  |
| Shore hardness wire insulation                  | 55 ± 3 Shore D                                                                                         |
| Ingredient freeness wire insulation             | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free                              |
| Amount strands (wire)                           | 64                                                                                                     |
| Diameter of single wires                        | 0,1 mm                                                                                                 |
| Conductor crosssection (wire)                   | 0,5 mm²                                                                                                |

|                                                   |                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------|
| 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 ± 3 Shore D                                                            |
| Ingredient freeness wire insulation (Data)        | lead-free, cadmium-free, CFC-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 crosssection wire (Data)                | 1 mm <sup>2</sup>                                                         |
| Material conductor wire (Data)                    | Stranded copper wire, bare                                                |
| Wire conductor type (Data)                        | strand class 6                                                            |
| Max. rated voltage (conductor - conductor)        | 500 V                                                                     |
| Max. rated voltage (conductor - ground)           | 300 V                                                                     |
| 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                                                           |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                                               |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                                               |
| Min. operating temperature (static)               | -40 °C                                                                    |
| Max. operating temperature (fixed)                | 90 °C                                                                     |
| Operating temperature min. (dynamic)              | -40 °C                                                                    |
| Operating temperature max. (dynamic)              | 90 °C                                                                     |
| Flame resistance                                  | UL 1581 § 1090   UL 1581 § 1100 FT2   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)                            | x Outer diameter                                                          |
| Bending radius (dynamic)                          | 10 x Outer diameter                                                       |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                                            |
| No. of torsion cycles                             | 0,5 Mio.                                                                  |
| Torsion stress                                    | ± 180 °/m                                                                 |

**Connection type 2**

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| No. of poles             | 11             |
| 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             |