

**EXACT12, 8XM12, 5-POLE, MOULDED CABLE**

5.0m PUR/PVC 16x0,34+3X0.75

Art.No.: 8000-88511-3980500

Weight: 1.060 kg

Country of origin: DE

Model designation: MVP12N-AN8F398 5.0m-NP

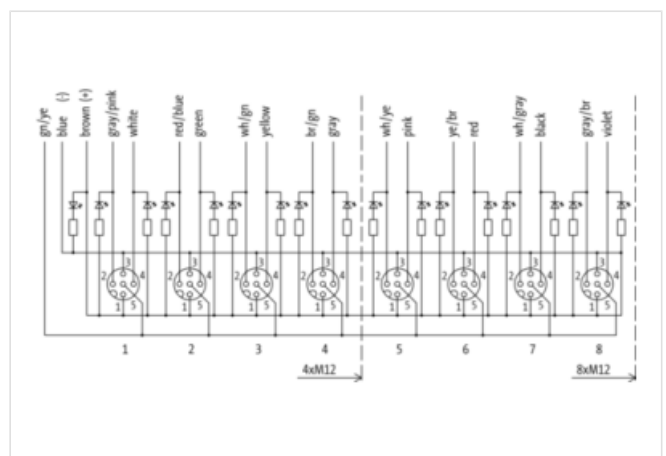
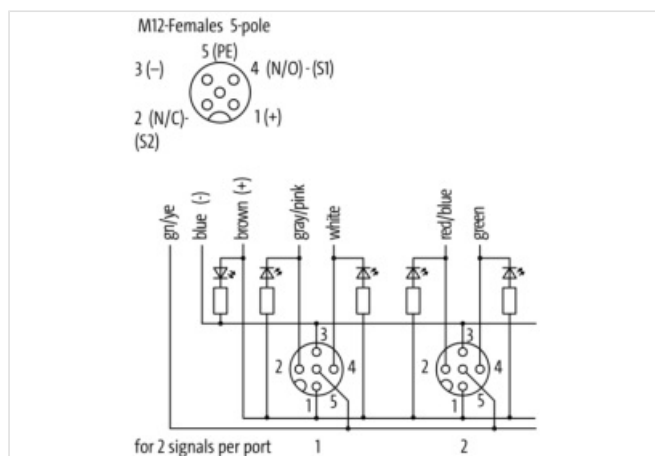
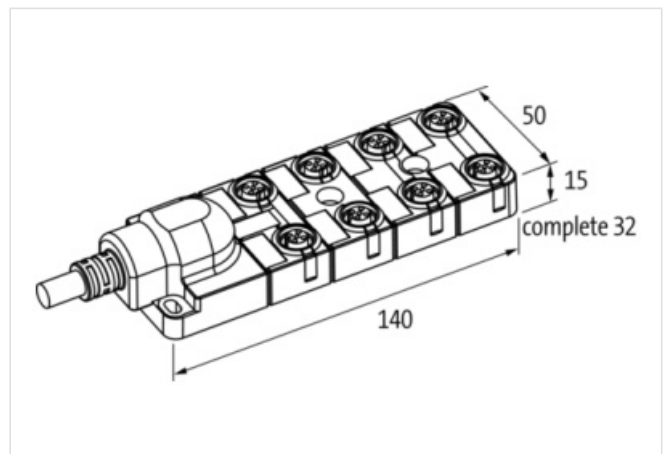
8-way, 5-pole

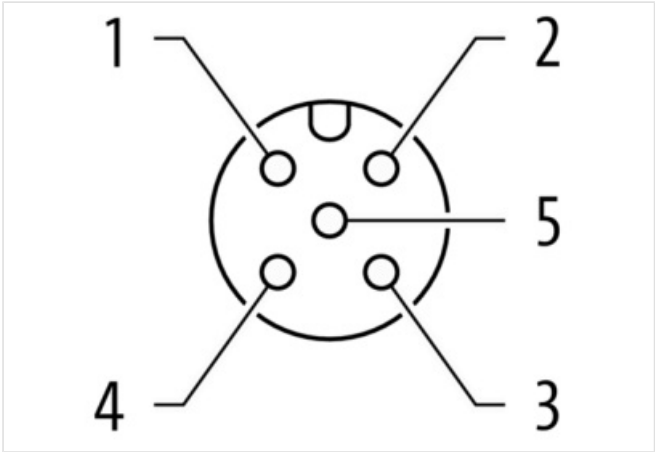
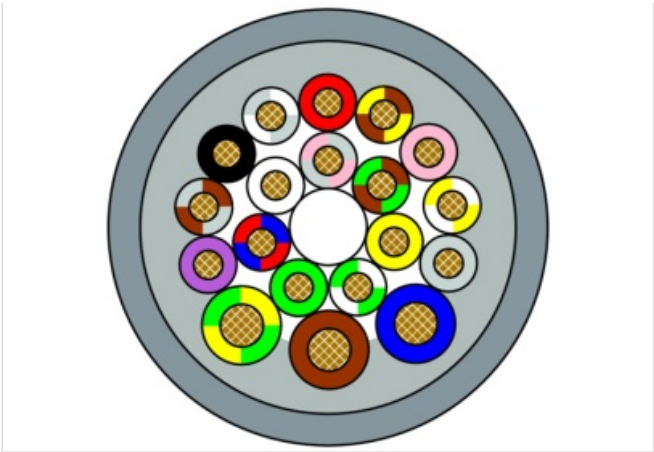
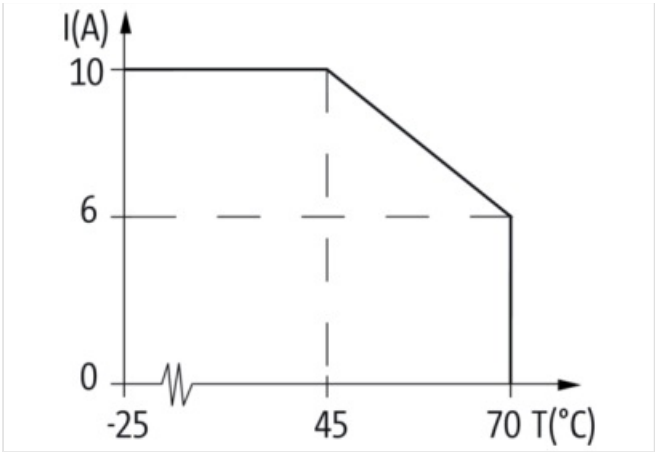
for NPN signals 24 V DC

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.

[Link to Product](#)**Illustration**



Product may differ from Image



| Commercial data       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| URL Webshop           | <a href="https://shop.murrelektronik.com/8000-88511-3980500">https://shop.murrelektronik.com/8000-88511-3980500</a> |
| GTIN                  | 4048879053945                                                                                                       |
| Customs tariff number | 85444290                                                                                                            |
| ECLASS-6.0            | 27143423                                                                                                            |
| ECLASS-6.1            | 27279219                                                                                                            |
| ECLASS-7.0            | 27279219                                                                                                            |
| ECLASS-7.1            | 27279219                                                                                                            |
| ECLASS-8.0            | 27279219                                                                                                            |
| ECLASS-8.1            | 27279219                                                                                                            |
| ECLASS-9.0            | 27440108                                                                                                            |
| ECLASS-9.1            | 27440108                                                                                                            |
| ECLASS-10.0.1         | 27440108                                                                                                            |
| ECLASS-10.1           | 27440108                                                                                                            |
| ECLASS-11.0           | 27440108                                                                                                            |
| ECLASS-11.1           | 27440108                                                                                                            |
| ECLASS-12.0           | 27440108                                                                                                            |
| ECLASS-13.0           | 27440108                                                                                                            |
| ECLASS-14.0           | 27440108                                                                                                            |

|                                                 |                                                                                                |
|-------------------------------------------------|------------------------------------------------------------------------------------------------|
| ETIM-5.0                                        | EC002585                                                                                       |
| ETIM-6.0                                        | EC002585                                                                                       |
| ETIM-7.0                                        | EC002585                                                                                       |
| ETIM-8.0                                        | EC002585                                                                                       |
| customs tariff number                           | 85444290                                                                                       |
| EAN                                             | 4048879053945                                                                                  |
| Packaging unit                                  | 1                                                                                              |
| <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)             | IP67, IP65                                                                                     |
| <b>Device protection   Media</b>                |                                                                                                |
| Flame resistance                                | flame retardant                                                                                |
| <b>Mechanical data   Material data</b>          |                                                                                                |
| housing                                         | Plastic                                                                                        |
| <b>Mechanical data   Mounting data</b>          |                                                                                                |
| Mounting method                                 | Schraubgewinde                                                                                 |
| Cable length                                    | 5 m                                                                                            |
| <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                            | 398                                                                                            |
| Cable Type                                      | 2                                                                                              |
| Function cable                                  | Hybrid, Signal, Power                                                                          |
| Cable weight                                    | 150 g/m                                                                                        |
| UL AWM Style                                    | 20549 / 1731                                                                                   |
| Stranding                                       | 1 × 7 wires around core filler twisted                                                         |
| Stranding (type 2)                              | 1 × 12 wires stranded around stranding combination                                             |
| Filler                                          | Yes                                                                                            |
| Wire arrangement                                | (WH, GYPK, BNGN, YE, GNWH, GN, RDBU), BNGY, BK, GYWH, RD, BNYE, PK, YEWH, GY, BU, BN, GNYE, VT |
| Material wire insulation                        | PVC                                                                                            |
| Amount wires                                    | 16                                                                                             |
| Outer diameter insulation                       | 1.3 mm ± 0.1 mm                                                                                |
| Conductor crosssection (wire)                   | 0,34 mm²                                                                                       |
| Material conductor wire                         | Stranded copper wire, bare                                                                     |
| Core construction (wire)                        | 19 × 0.15 mm                                                                                   |
| Material properties wire insulation             | good machinability                                                                             |
| Ingredient freeness wire insulation             | lead-free, cadmium-free, CFC-free, silicone-free                                               |
| Electrical function wire (type 2)               | Power                                                                                          |
| Material wire insulation (type 2)               | PVC                                                                                            |
| Amount wires (type 2)                           | 3                                                                                              |
| Outer diameter wire insulation (type 2)         | 1.8 mm ± 0.1 mm                                                                                |
| Conductor crosssection (wire type 2)            | 0,75 mm²                                                                                       |
| Material conductor wire (type 2)                | Stranded copper wire, bare                                                                     |
| Core construction (wire type 2)                 | 42 × 0.15 mm                                                                                   |

|                                              |                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------|
| Material properties wire insulation (type 2) | good machinability                                                          |
| Ingredient freeness wire insulation (type 2) | lead-free, cadmium-free, CFC-free, silicone-free                            |
| Material jacket                              | PUR                                                                         |
| Outer-diameter (jacket)                      | 10 mm $\pm$ 5 %                                                             |
| Jacket Color                                 | gray / RAL 7040                                                             |
| Material inner jacket                        | PVC                                                                         |
| Color (inner jacket)                         | gray                                                                        |
| Freedom from ingredients (jacket)            | lead-free, cadmium-free, CFC-free, silicone-free                            |
| Material property (jacket)                   | abrasion-resistant, low adhesion, good machinability, matte                 |
| Conductor resistance (wire)                  | 57 $\Omega$ /km @ 20 °C                                                     |
| Conductor resistance (wire type 2)           | 26 $\Omega$ /km @ 20 °C                                                     |
| Max. rated voltage (conductor - ground)      | 300 V                                                                       |
| Max. rated voltage (conductor - conductor)   | 300 V                                                                       |
| Withstand voltage (wire - wire)              | 2 kV @ 60 s                                                                 |
| Withstand voltage (wire - jacket)            | 2 kV @ 60 s                                                                 |
| Current load capacity max. (wire)            | 4 A                                                                         |
| Current load capacity max. Wire (type 2)     | 12 A                                                                        |
| Current load capacity (standard)             | to DIN VDE 0298-4                                                           |
| Operating temperature (static)               | -30 °C ... 80 °C                                                            |
| Operating temperature (dynamic)              | -5 °C ... 70 °C                                                             |
| Operating temperature (drag chain)           | -5 °C ... 60 °C                                                             |
| Flame resistance                             | UL 1581 § 1090, CSA FT2, IEC 60332-2-2                                      |
| Oil resistance                               | IEC 60811-404                                                               |
| Chemical resistance                          | good                                                                        |
| Other resistances                            | good resistance to gasoline, resistant to hydrolysis, resistant to microbes |
| Notes                                        | application-related testing                                                 |
| Bending radius (fixed)                       | 5 $\times$ Outer diameter                                                   |
| Bending radius (dynamic)                     | 10 $\times$ Outer diameter                                                  |
| No. of bending cycles (C-track)              | 2 Mio. @ 25 °C                                                              |
| Traversing distance (C-track)                | 5 m @ 25 °C                                                                 |
| Travel speed (C-track)                       | 2 m/s @ 25 °C                                                               |
| Acceleration (C-track)                       | 10 m/s <sup>2</sup> @ 25 °C                                                 |