

**M12 female 90° A-cod. with cable**

PUR 3x0.75 gy UL/CSA+drag ch. 3m

Female 90°

M12, 3-pole

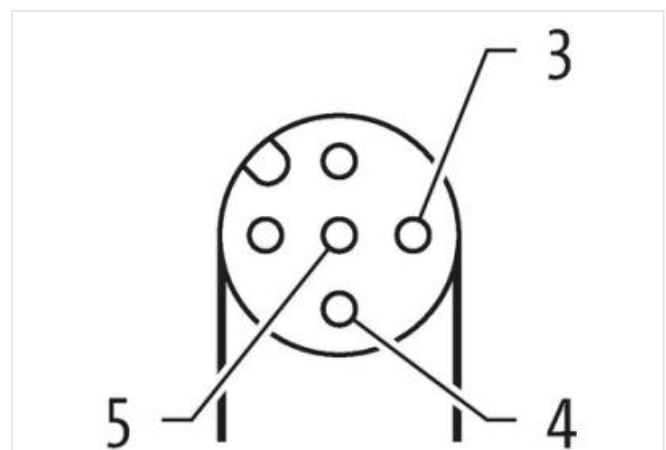
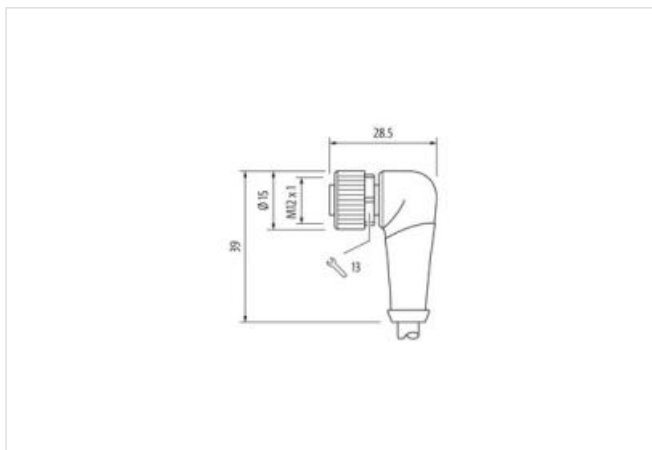
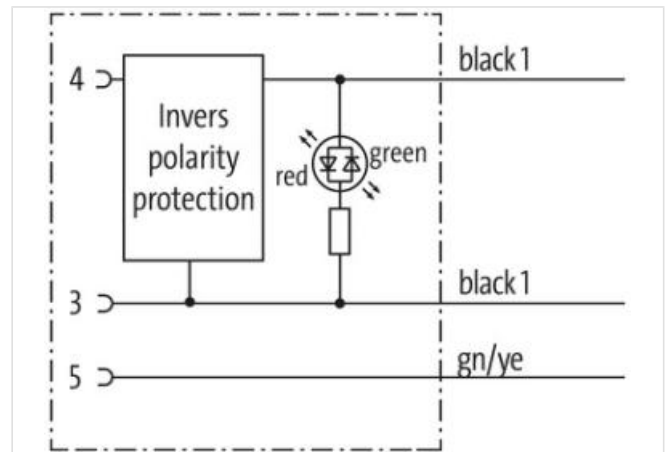
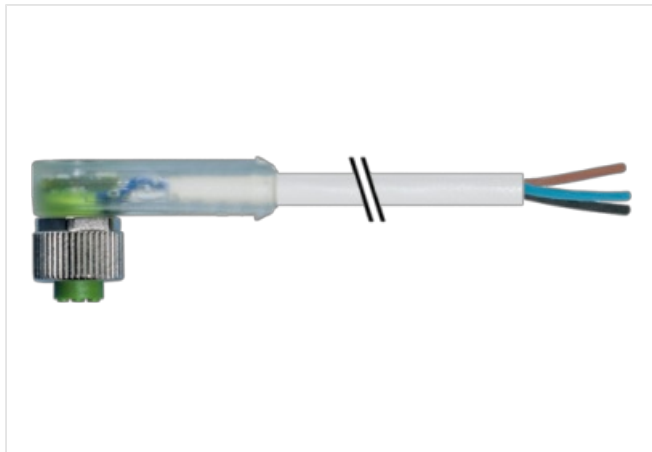
2× LED (PNP)

Invers-polarity protection

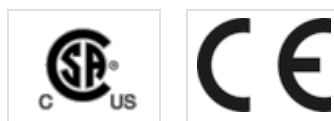
Plastic housings with good resistance against chemicals and oils.

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

Further cable lengths on request.

[Linkki tuotteeseen](#)**Kuvat**

Tuote voi erota kuvassa olevasta



Cable length 3 m

**Side 1**

Tightening torque 0,6 Nm

Tämän tietolomakkeen tiedot on laadittu suurimmalla mahdollisella huolellisuudella.  
 Vahingonkorvausvastuu koskien tietojen oikeellisuutta, laajuutta ja ajankohtaisuutta kattaa ainoastaan törkeän laiminlyönnin. Versio: 26.04.2024

Murrelektronik Power Oy | Jussilankatu 6 | 15680 Lahti | Fon +358 20 7789810 | Fax +358 20 7789811 | shop@murrelektronik.fi | shop.murrelektronik.fi

|                                           |                   |
|-------------------------------------------|-------------------|
| Mounting method                           | inserted, screwed |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Coding                                    | A                 |
| Material                                  | PUR               |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |

#### Kaupalliset tiedot

|             |               |
|-------------|---------------|
| ECLASS-6.0  | 27279218      |
| ECLASS-6.1  | 27279218      |
| ECLASS-7.0  | 27279218      |
| ECLASS-8.0  | 27279218      |
| ECLASS-9.0  | 27060311      |
| ECLASS-10.1 | 27060311      |
| ECLASS-11.1 | 27060311      |
| ECLASS-12.0 | 27060311      |
| ETIM-5.0    | EC001855      |
| GTIN        | 4048879462105 |
| Pakkauskoko | 1             |
| Tullinumero | 85444290      |

#### Electrical data | Supply

|                                    |        |
|------------------------------------|--------|
| Operating voltage DC               | 24 V   |
| Operating voltage DC min.          | 20,4 V |
| Operating voltage DC max.          | 27,6 V |
| Operating voltage DC (UL-listed)   | 30 V   |
| Current operating per contact max. | 4 A    |

#### Diagnostics

|                       |            |
|-----------------------|------------|
| Status indication LED | green, red |
|-----------------------|------------|

#### Installation | Connection

|              |         |
|--------------|---------|
| Mounting set | M12 x 1 |
|--------------|---------|

#### Device protection | Electrical

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 0,8 kV            |

#### Mechanical data | Material data

|                           |                  |
|---------------------------|------------------|
| Coating locking           | Nickeled         |
| Coating of fitting        | nickel plated    |
| Locking material          | Zinc die-casting |
| Material screw connection | Zinc die-casting |

#### Mechanical data | Mounting data

|                 |                                       |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

#### Environmental characteristics | Climatic

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

#### Installation | Cable

|                                   |                         |
|-----------------------------------|-------------------------|
| Cable identification              | 236                     |
| Cable Type                        | 3                       |
| Printing color of wire insulation | white (isolation black) |
| Jacket Color                      | gray                    |

|                                                         |                                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| Type of Certificate                                     | cURus                                                          |
| Amount stranding                                        | 1                                                              |
| Stranding                                               | 3 wires twisted                                                |
| wire arrangement                                        | black 1, black 2, green-yellow                                 |
| No. of bending cycles (C-track)                         | 10 Mio. @ 25 °C                                                |
| Cable weight                                            | 56,1 g/m                                                       |
| Material jacket                                         | PUR                                                            |
| Shore hardness jacket                                   | 90 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                                 | 5,9 mm                                                         |
| Tolerance outer diameter (sheath)                       | ± 5 %                                                          |
| Material wire insulation                                | PP                                                             |
| Amount wires                                            | 3                                                              |
| Outer diameter insulation                               | 1,85 mm                                                        |
| Outer diameter tolerance core insulation                | ± 5 %                                                          |
| Shore hardness wire insulation                          | 70 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Printing color of wire insulation                       | white (isolation black)                                        |
| Amount strands (wire)                                   | 42                                                             |
| Diameter of single wires                                | 0,15 mm                                                        |
| Conductor crosssection (wire)                           | 0,75 mm²                                                       |
| Material conductor wire                                 | Stranded copper wire, bare                                     |
| Conductor type (wire)                                   | strand class 6                                                 |
| Traversing distance (C-track)                           | 10 m @ 25 °C   horizontal                                      |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                         | 12 A                                                           |
| Electrical resistance line constant wire                | 26 Ω/km @ 20 °C                                                |
| Nominal voltage power AC max.                           | 300 V                                                          |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s                                                  |
| AC withstand voltage power (wire - wire)                | 2,5 kV @ 60 s                                                  |
| Min. operating temperature (static)                     | -40 °C                                                         |
| Max. operating temperature (fixed)                      | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)                    | -25 °C                                                         |
| Operating temperature max. (dynamic)                    | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                        | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2            |
| 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                                            |
| No. of torsion cycles                                   | 2 Mio.                                                         |
| Torsion speed                                           | 35 cycles/min                                                  |
| Torsion stress                                          | ± 180 °/m                                                      |