

**MQ12 female 90° A-cod. with cable LED**

PUR 4x0.34 bk UL/CSA+drag ch. 10m

Art.No.: 7050-12421-6341000

Weight: 0.407 kg

Country of origin: DE

Model designation: MSDL2-T634\_10.0-S50

**Advantages of our connectors:**

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

**Product details:**

Female 90°

MQ12, 4-pole

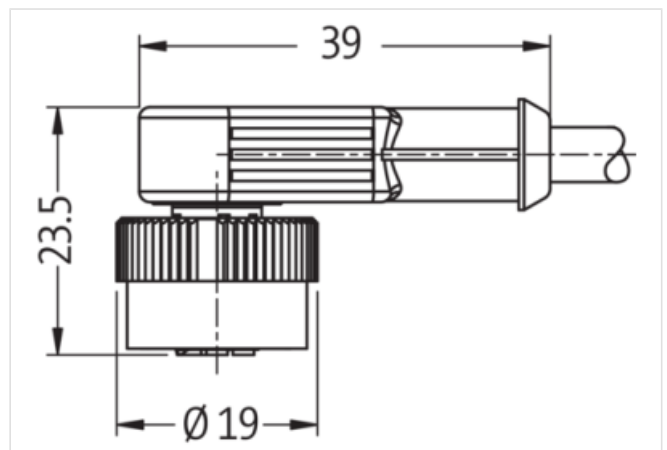
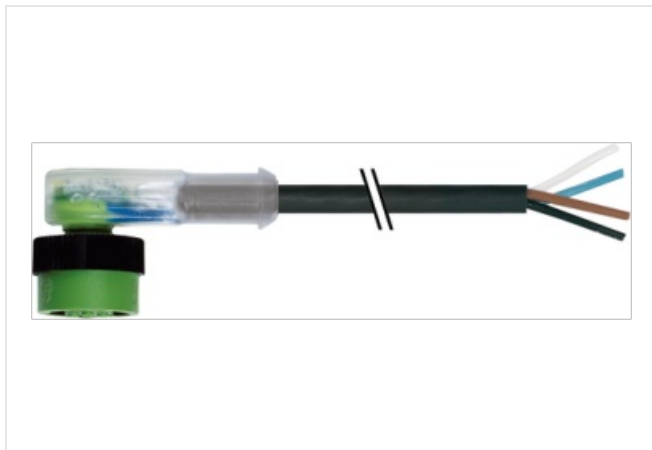
3× LED (PNP)

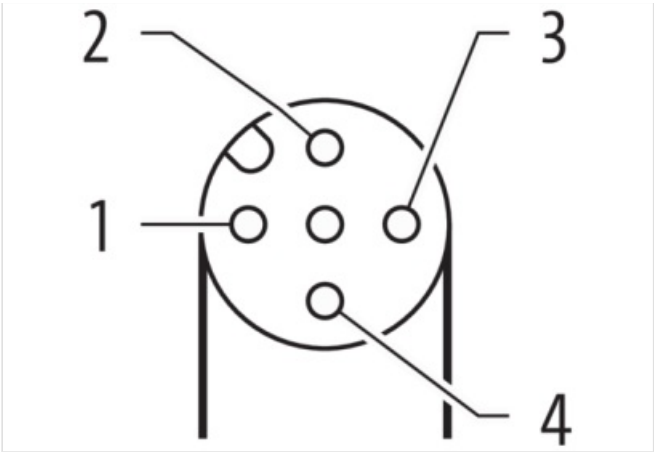
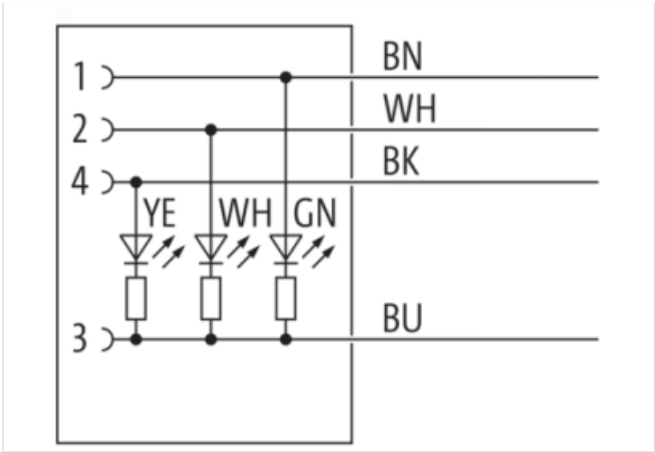
with cable sleeves

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



| Header       |         |
|--------------|---------|
| Cable length | 10,00 m |
| Side 1       |         |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Family construction form                        | MQ12                                                                                                                                                  |
| Degree of protection (EN IEC 60529)             | IP67, IP65                                                                                                                                            |
| <b>Commercial data</b>                          |                                                                                                                                                       |
| URL Webshop                                     | <a href="https://shop.murrelektronik.com/7050-12421-6341000">https://shop.murrelektronik.com/7050-12421-6341000</a>                                   |
| customs tariff number                           | 85444290                                                                                                                                              |
| EAN                                             | 4048879106689                                                                                                                                         |
| Packaging unit                                  | 1                                                                                                                                                     |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                       |
| Operating voltage DC                            | 24 V                                                                                                                                                  |
| Operating voltage DC min.                       | 18 V                                                                                                                                                  |
| Operating voltage DC max.                       | 30 V                                                                                                                                                  |
| Current operating per contact max.              | 4 A                                                                                                                                                   |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Rated surge voltage                             | 0,8 kV                                                                                                                                                |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Mounting method                                 | inserted, screwed                                                                                                                                     |
| Looking techniques                              | bayonet-locking                                                                                                                                       |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -25 °C                                                                                                                                                |
| Operating temperature max.                      | 85 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| 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. |
| Note on strain relief                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| Cable identification                            | 634                                                                                                                                                   |
| Cable Type                                      | 3                                                                                                                                                     |
| Amount stranding                                | 1                                                                                                                                                     |
| Stranding                                       | 1 × 4 wires stranded                                                                                                                                  |
| Wire arrangement                                | brown, black, blue, white                                                                                                                             |
| Cable weight                                    | 27,6 g/m                                                                                                                                              |
| Material wire insulation                        | PP                                                                                                                                                    |
| Amount wires                                    | 4                                                                                                                                                     |
| Outer diameter insulation                       | 1,25 mm                                                                                                                                               |
| Outer diameter tolerance core insulation        | ± 0,05 mm                                                                                                                                             |
| Shore hardness wire insulation                  | 70 5 Shore D                                                                                                                                          |
| Ingredient freeness wire insulation             | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Amount strands (wire)                           | 42                                                                                                                                                    |
| Diameter of single wires                        | 0,1 mm                                                                                                                                                |
| Conductor crosssection (wire)                   | 0,34 mm <sup>2</sup>                                                                                                                                  |
| Material conductor wire                         | Stranded copper wire, bare                                                                                                                            |
| Conductor type (wire)                           | strand class 6                                                                                                                                        |
| Outer-diameter (jacket)                         | 4,5 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                 |
| Material jacket                                 | PUR                                                                                                                                                   |
| Shore hardness jacket                           | 90 5 Shore A                                                                                                                                          |
| Freedom from ingredients (jacket)               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Material property (jacket)                      | abrasion-resistant, low adhesion, good machinability, matte                                                                                           |
| Conductor resistance (wire)                     | 57 Ω/km @ 20 °C                                                                                                                                       |

|                                         |                                                                             |
|-----------------------------------------|-----------------------------------------------------------------------------|
| Nominal voltage max.                    | 300 V                                                                       |
| Withstand voltage (wire - wire)         | 2.5 kV @ 60 s                                                               |
| Withstand voltage (wire - jacket)       | 2.5 kV @ 60 s                                                               |
| Current load capacity (standard)        | to DIN VDE 0298-4                                                           |
| Current load capacity max. (wire)       | 4,8 A                                                                       |
| Operating temperature min. (static)     | -40 °C                                                                      |
| Operating temperature max. (static)     | 80 °C / 90 °C @ 10000 h Operation                                           |
| Operating temperature min. (dynamic)    | -25 °C                                                                      |
| Operating temperature max. (dynamic)    | 80 °C / 90 °C @ 10000 h Operation                                           |
| Operating temperature min. (drag chain) | -25 °C                                                                      |
| Operating temperature max. (drag chain) | 80 °C / 90 °C @ 10000 h Operation                                           |
| 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 |
| Bending radius (fixed)                  | 5 × Outer diameter                                                          |
| Bending radius (dynamic)                | 10 × Outer diameter                                                         |
| No. of bending cycles (C-track)         | 10 Mio. @ 25 °C                                                             |
| Traversing distance (C-track)           | 10 m @ 25 °C   horizontal                                                   |
| Travel speed (C-track)                  | 3 m/s @ 25 °C                                                               |
| Acceleration (C-track)                  | 10 m/s² @ 25 °C                                                             |
| No. of torsion cycles                   | 5 Mio.                                                                      |
| Torsion stress                          | 360 °/m                                                                     |
| Torsion speed                           | 35 cycles/min                                                               |