

**M12 male 0° A-cod. / MSUD valve plug A-18mm**

PUR 5x0.34 gy UL/CSA 0.3m

**⚠ NOTICE ⚠****PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.****MSUD**

Form A (18 mm) – M12, male straight

24 V DC  $\pm 25\%$ 

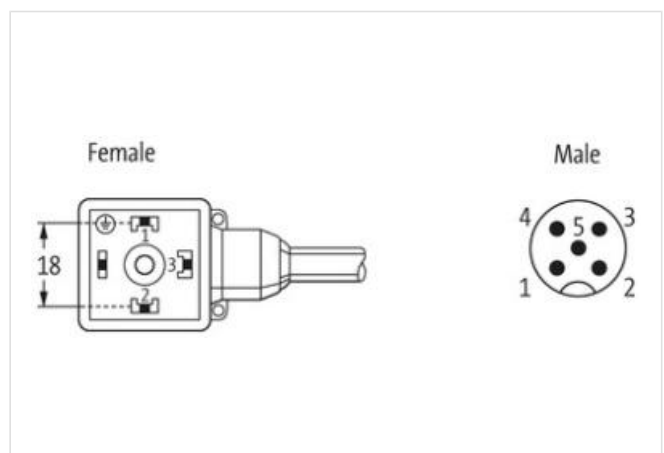
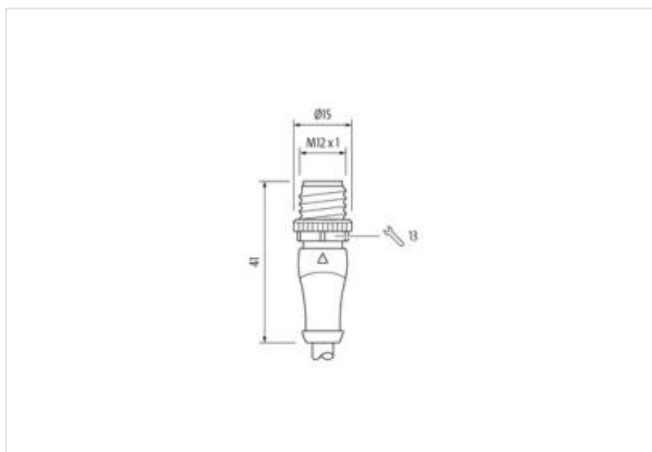
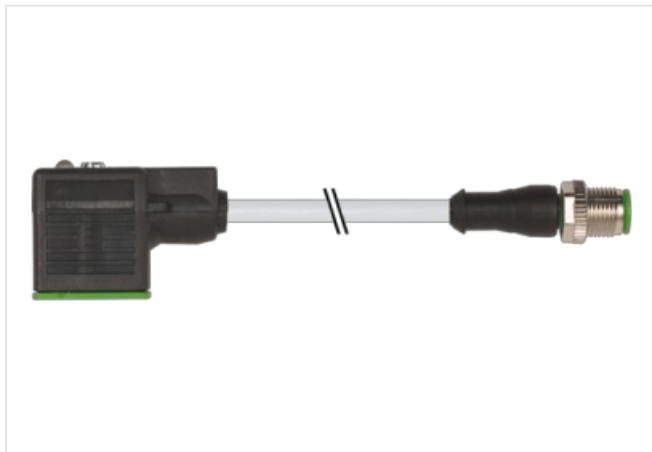
LED (yellow/green)

for pressure switches

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



|                                           |               |
|-------------------------------------------|---------------|
| Cable length                              | 0,3 m         |
| Side 1                                    |               |
| Tightening torque                         | 0,4 Nm        |
| Family construction form                  | MSUD          |
| Thread                                    | M3            |
| Material                                  | PUR           |
| Degree of protection (EN IEC 60529)       | IP67          |
| Side 2                                    |               |
| Tightening torque                         | 0,6 Nm        |
| Family construction form                  | M12           |
| Thread                                    | M12 x 1       |
| suitable for corrugated tube (internal Ø) | 10 mm         |
| Material                                  | PBT           |
| Width across flats                        | SW13          |
| Degree of protection (EN IEC 60529)       | IP67          |
| Commercial data                           |               |
| ECLASS-6.0                                | 27279218      |
| ECLASS-6.1                                | 27279218      |
| ECLASS-7.0                                | 27279218      |
| ECLASS-8.0                                | 27279218      |
| ECLASS-9.0                                | 27060312      |
| ECLASS-10.1                               | 27060312      |
| ECLASS-11.1                               | 27060312      |
| ECLASS-12.0                               | 27060312      |
| ETIM-5.0                                  | EC001855      |
| customs tariff number                     | 85444290      |
| GTIN                                      | 4048879150125 |
| Packaging unit                            | 1             |
| Electrical data   Supply                  |               |
| Operating voltage DC                      | 24 V          |
| Operating voltage DC min.                 | 18 V          |
| Operating voltage DC max.                 | 30 V          |

|                                                 |                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current operating per contact max.              | 4 A                                                                                                                                                    |
| Current consumption max.                        | 15 mA                                                                                                                                                  |
| <b>Diagnostics</b>                              |                                                                                                                                                        |
| Status indication LED                           | green, yellow                                                                                                                                          |
| <b>Device protection   Electrical</b>           |                                                                                                                                                        |
| Additional condition protection degree          | inserted, screwed                                                                                                                                      |
| Pollution Degree                                | 3                                                                                                                                                      |
| Rated surge voltage                             | 0,8 kV                                                                                                                                                 |
| Material group (IEC 60664-1)                    | I                                                                                                                                                      |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                        |
| Coating locking                                 | Nickeled                                                                                                                                               |
| Color housing                                   | black                                                                                                                                                  |
| Material gasket                                 | PUR                                                                                                                                                    |
| Material housing                                | Plastic                                                                                                                                                |
| Locking material                                | Zinc die-casting                                                                                                                                       |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                        |
| Mounting method                                 | inserted, screwed                                                                                                                                      |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                        |
| Operating temperature min.                      | -25 °C                                                                                                                                                 |
| Operating temperature max.                      | 85 °C                                                                                                                                                  |
| Additional condition temperature range          | depending on cable quality                                                                                                                             |
| <b>Cable</b>                                    |                                                                                                                                                        |
| Cable identification                            | 225                                                                                                                                                    |
| Cable Type                                      | 2 (PUR/PVC)                                                                                                                                            |
| Approval (cable)                                | UL (AWM-Style 20549/1731), CSA; CE conform                                                                                                             |
| Cable weight [g/m]                              | 54,78 g                                                                                                                                                |
| Material wire                                   | Cu wire, bare                                                                                                                                          |
| Resistor (core)                                 | max. 57 Ω/km (20 °C)                                                                                                                                   |
| Single wire Ø (core)                            | 0.1 mm                                                                                                                                                 |
| Construction (core)                             | 42× 0.1 mm (multi-strand wire class 6)                                                                                                                 |
| Diameter (core)                                 | 5× 0.34 mm <sup>2</sup>                                                                                                                                |
| AWG                                             | similar to AWG 22                                                                                                                                      |
| Material wire isolation                         | PVC                                                                                                                                                    |
| Material property wire insulation               | CFC-, cadmium-, silicone- and lead-free                                                                                                                |
| Shore hardness wire isolation                   | 43 ±5 D                                                                                                                                                |
| Wire-Ø incl. isolation                          | 1.25 mm ±5%                                                                                                                                            |
| Color/numbering of wires                        | br, bk, bl, wh, gnye longitudinally striped                                                                                                            |
| Stranding combination                           | 5 wires twisted around central filler                                                                                                                  |
| Shield                                          | no                                                                                                                                                     |
| Material jacket                                 | PUR/PVC                                                                                                                                                |
| Material property (jacket)                      | CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant |
| Shore hardness jacket                           | 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)                                                                                                       |
| Outer-Ø (jacket)                                | 5.0 mm ±5%                                                                                                                                             |
| Color jacket                                    | gray                                                                                                                                                   |
| chemical resistance                             | good resistance to oil, gasoline and chemicals                                                                                                         |
| Nominal voltage                                 | UL 300 V AC                                                                                                                                            |
| Test voltage                                    | 2000 V AC                                                                                                                                              |
| Current load capacity                           | to DIN VDE 0298-4                                                                                                                                      |
| Temperature range (fixed)                       | -30...+80 °C                                                                                                                                           |
| Temperature range (mobile)                      | -5...+80 °C                                                                                                                                            |
| Bending radius (fixed)                          | 10× outer Ø                                                                                                                                            |

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl

|                                 |                         |
|---------------------------------|-------------------------|
| Bending radius (dynamic)        | 15× outer Ø             |
| No. of bending cycles (C-track) | max. 2 Mio. (25 °C)     |
| Travel speed (C-track)          | max. 3.3 m/s            |
| Acceleration (C-track)          | max. 5 m/s <sup>2</sup> |