

**M12 Power female 0° L-cod. / Push Pull Power AIDA**

PUR 4x1.5 bk UL/CSA+drag ch. 1.5m

Male straight – female straight

M12 L-coded - PPP, 4-pole

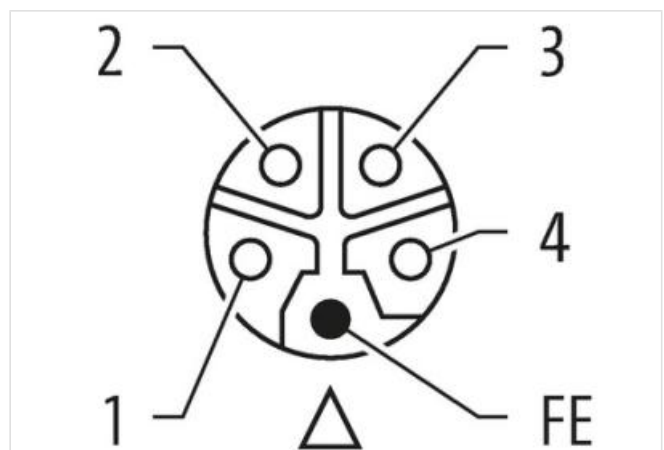
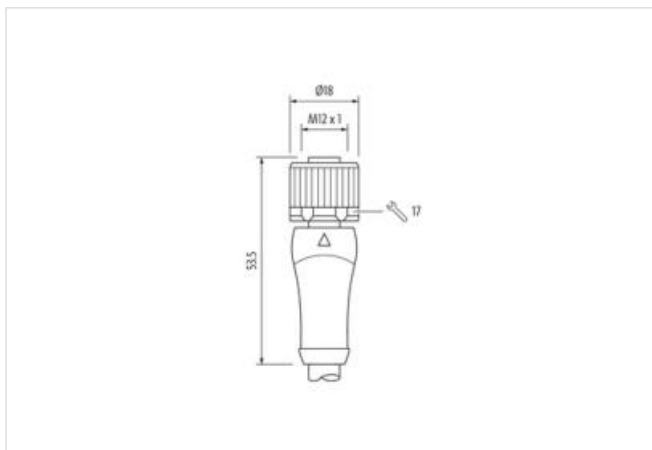
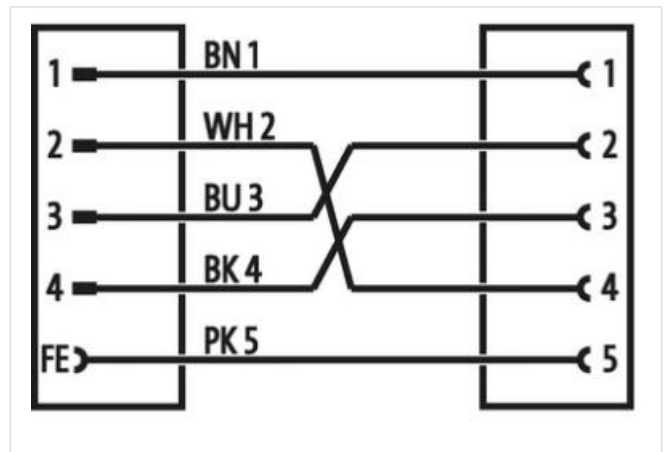
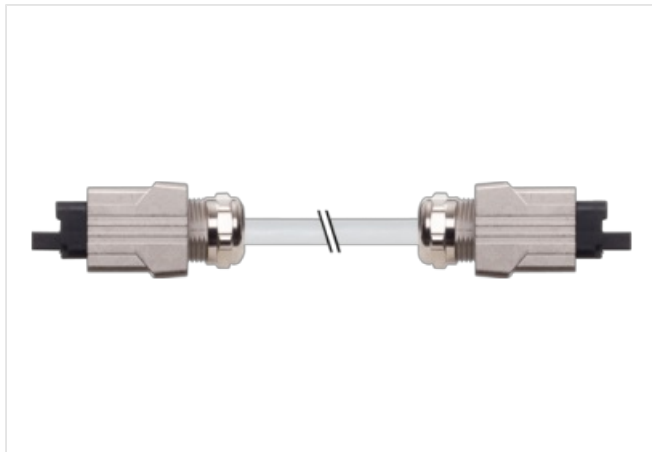
Push Pull Power

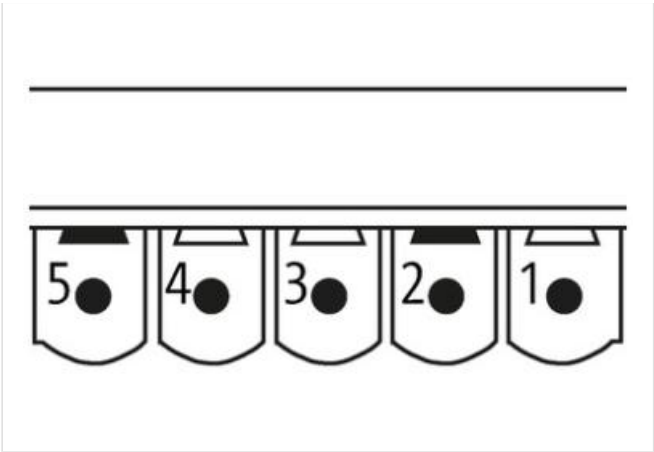
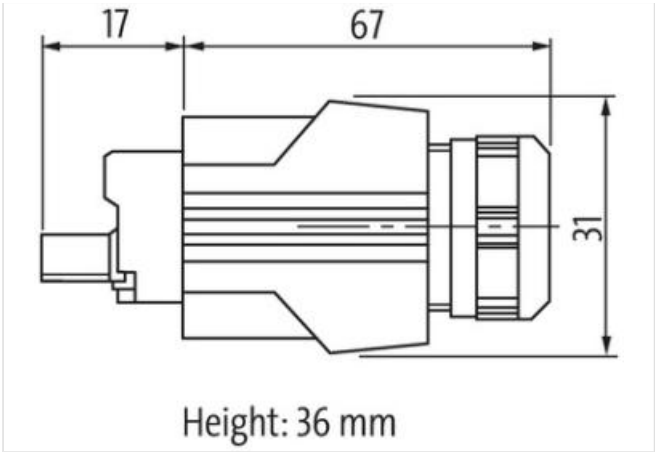
with cable sleeves

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.

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



Product may differ from Image



Form

Form P4474

Technical Data

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Operating voltage                         | max. 24 V AC/DC                        |
| Rated surge voltage                       | 1.5 kV                                 |
| Operating current per contact             | max. 12 A                              |
| No. of poles                              | 4-pole                                 |
| Material group                            | IEC 60664-1, category I                |
| Locking of ports                          | Push Pull                              |
| Protection                                | IP67 inserted and tightened (EN 60529) |
| suitable for corrugated tube (internal Ø) | 12 mm                                  |
| Compression gland                         | Zinc die casting, nickel-plated        |

General data

|                  |                       |
|------------------|-----------------------|
| Standards        | IEC 61076-2-111 (M12) |
| Mounting method  | M12 (0.6 Nm, SW17)    |
| Pollution Degree | 2/3                   |

Cables

|                                    |                                                   |
|------------------------------------|---------------------------------------------------|
| Cable identification               | P07                                               |
| Cable Type                         | 3 (PUR)                                           |
| Cable weight [g/m]                 | 114,4 g                                           |
| Material (wire)                    | Cu wire, bare                                     |
| Resistor (core)                    | max. 13.3 Ω/km (20 °C)                            |
| Single wire Ø (core)               | 0.15 mm                                           |
| Construction (core)                | 84× 0.15 mm (multi-strand wire class 6)           |
| Diameter (core)                    | 4× 1.5 mm²                                        |
| AWG                                | similar to AWG 16                                 |
| Material (wire isolation)          | PP                                                |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free |
| Shore hardness (wire isolation)    | 60 ±5 D                                           |
| Wire-Ø incl. isolation             | 2.3 mm ±5%                                        |
| Color/numbering of wires           | br, bk, bl, wh, num                               |
| Stranding combination              | 4 wires twisted                                   |

|                                        |                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shield                                 | no                                                                                                                                                     |
| Material (jacket)                      | PUR                                                                                                                                                    |
| 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)                | 90 $\pm$ 5 A                                                                                                                                           |
| Outer-Ø (jacket)                       | 7.2 mm $\pm$ 5%                                                                                                                                        |
| Color (jacket)                         | black                                                                                                                                                  |
| chemical resistance                    | good resistance to oil, gasoline and chemicals (EN 60811-404)                                                                                          |
| thermal resistance                     | flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2                                                                                     |
| Nominal voltage                        | 1000 V AC                                                                                                                                              |
| Test voltage                           | 10.0 kV                                                                                                                                                |
| Current load capacity                  | to DIN VDE 0298-4                                                                                                                                      |
| Temperature range (fixed)              | -50...+80 °C, (+90 °C at max. 10 000 operating hours)                                                                                                  |
| Temperature range (mobile)             | -25...+80 °C, (+90 °C at max. 10 000 operating hours)                                                                                                  |
| Bend radius (fixed)                    | 7.5× outer Ø                                                                                                                                           |
| Bend radius (moving)                   | 10× outer Ø                                                                                                                                            |
| No. of bending cycles (C-track)        | max. 5 Mio. (25 °C)                                                                                                                                    |
| Travel speed (C-track)                 | max. 3.3 m/s                                                                                                                                           |
| Acceleration (C-track)                 | max. 5 m/s <sup>2</sup>                                                                                                                                |
| Torsion stress                         | $\pm$ 180°/m                                                                                                                                           |
| No. of torsion cycles                  | max. 2 Mio. (25 °C)                                                                                                                                    |
| Torsion speed                          | 35 cycles/min                                                                                                                                          |
|                                        |                                                                                                                                                        |
| Product article number of manufacturer | 7000-P4474-P070150                                                                                                                                     |
| Cable length                           | 1,5 m                                                                                                                                                  |