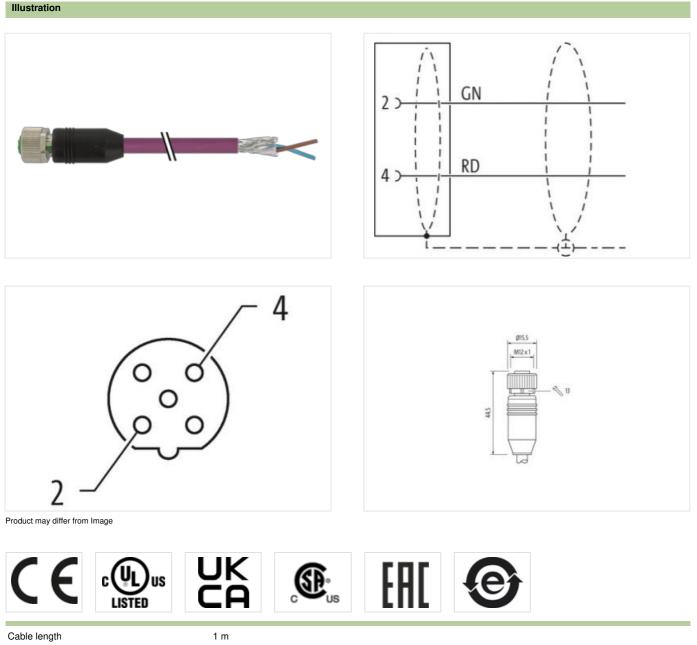


M12 female 0° B-cod. with cable shielded

PVC 1x2xAWG24 shielded vt UL/CSA 1m

PROFIBUS Female straight M12, 2-pole B-coded shielded 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



Side 1

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| Tightening torque | 0,6 Nm |
|--|---|
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | В |
| Material | PUR |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Side 2 | |
| Stripping length (jacket) | 20 mm |
| Commercial data | |
| ECLASS-6.0 | 27061801 |
| ECLASS-6.1 | 27060307 |
| ECLASS-7.0 | 27060307 |
| ECLASS-8.0 | 27060307 |
| ECLASS-9.0 | 27060307 |
| ECLASS-10.1 | 27060307 |
| ECLASS-11.1 | 27060307 |
| ECLASS-12.0 | 27060307 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879545693 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 60 V |
| Operating voltage DC max. | 60 V |
| Operating voltage AC (UL-listed) | 30 V |
| Operating voltage DC (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| Installation Connection | |
| Stripping length (jacket) | 20 mm |
| Mounting set | M12 x 1 |
| Device protection Electrical | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | |
| 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 |
| Important installation notes | |
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| | |

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Note on bending radius



endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation | Cable Cable identification 850 Jacket Color violet Amount stranding 1 Stranding 2 wires with 2 Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 70 % Banding Fleece, Foil Filler yes wire arrangement red, green Traversing distance (C-track) 5 m @ 25 °C Cable weigth 75,9 g/m Material jacket PVC Freedom from ingredients (jacket) lead-free, CFC-free Outer-diameter (jacket) 7,8 mm Tolerance outer diameter (sheath) ±5% Amount wires 2 Outer diameter insulation 2.55 mm Outer diameter tolerance core insulation ±5% lead-free, CFC-free, halogen-free Ingredient freeness wire insulation Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 30 V to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 4.5 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s 30000 pF/km Electric capacitance Power frequency withstand voltage (wire -1,5 kV @ 60 s jacket) AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -25 °C 70 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 60 °C UL 1581 § 1090 | UL 1581 § 1100 FT2 | IEC 60332-2-2 Flame resistance 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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be

Travel speed (C-track)

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2 Mio. @ 25 °C

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