

M12 male 90° / M12 female 90° A-cod. Lite

PUR AWG24+22 shielded vt UL/CSA+drag ch. 1m

DeviceNet, CANopen Male 90° – female 90° M12 – M12, 5-pole

7005 - plastic hexagonal screw (M12 Lite)

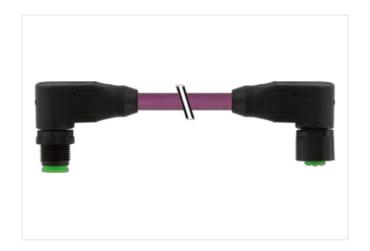
Plastic housings with good resistance against chemicals and oils.

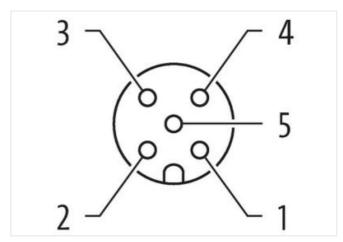
The resistance to aggressive media should be individually tested for your application. Further details on request.

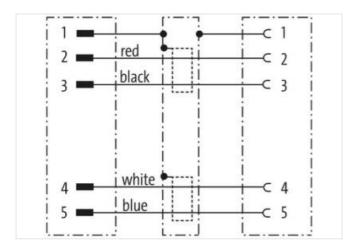
Further cable lengths on request.

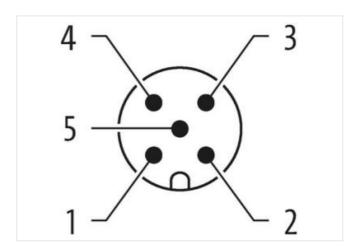
Link to Product

Illustration



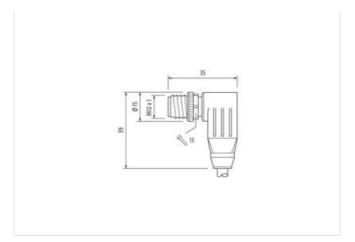


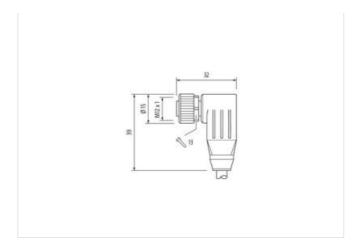






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Product may differ from Image





| Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding A No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Tightening torque Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding A No. of poles 5 Commercial date ECLASS-6.0 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4089052926 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | Cable length | 1 m |
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| Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding A No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Temperature Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Tightening torque M12 x 1 Coding A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A | Side 1 | |
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| Thread M12 x 1 Coding A No. of poles 5 With across flats SW13 Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding A No. of poles 5 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27090307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.0 ECONSTS ECHASS-10.0 ECONSTS ECHASS-10.0 ECONSTS ECHASS-10.0 ECONSTS ECHASS-10.0 ECONSTS ECHASS-10.0 ECONSTS ECHASS-10.1 ESCASS-10.0 ECONSTS ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.0 ECONSTS ECHASS-10.0 ECONSTS ECHASS-10.1 ECONSTS ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECHASS-10.1 ECONSTS ECO | Mounting method | inserted, screwed |
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| Degree of protection (EN IEC 60529) IP65, IP67 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding A No. of poles 5 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879652926 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | No. of poles | 5 |
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| ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879652926 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | ECLASS-9.0 | 27060311 |
| ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879652926 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | ECLASS-10.1 | 27060307 |
| ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879652926 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | ECLASS-11.1 | 27060307 |
| customs tariff number 85444290 GTIN 4048879652926 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | ECLASS-12.0 | 27060307 |
| GTIN 4048879652926 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | ETIM-5.0 | EC001855 |
| Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V | customs tariff number | 85444290 |
| Electrical data Supply Operating voltage AC max. 60 V | GTIN | 4048879652926 |
| Operating voltage AC max. 60 V | Packaging unit | 1 |
| | Electrical data Supply | |
| Operating voltage DC max. 60 V | Operating voltage AC max. | 60 V |
| | Operating voltage DC max. | 60 V |

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: 2024-05-16



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| Operating voltage AC (UL-listed) | 30 V |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating voltage DC (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| 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 | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Material housing | PUR |
| Locking material | PA |
| Mechanical data Mounting data | |
| | inserted, screwed, Shaking protection |
| Mounting method | |
| 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. |
| Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Installation Cable | |
| Cable identification | 803 |
| Jacket Color | violet |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 2 wires twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 2 Stranded joints twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 65 % |
| Banding | Foil |
| Drain wire (cross-section) | 22 AWG |
| wire arrangement | (white, blue), (black, red) |
| Cable weigth | 63,12 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) | 6,9 mm |
| Tolerance outer diameter (sheath) | ±5% |
| Material wire insulation | PE |
| Amount wires | 2 |
| Outer diameter insulation | 2,1 mm |
| Outer diameter tolerance core insulation | ±5% |
| Shore hardness wire insulation | 64 ± 5 Shore D |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free |
| Amount strands (wire) | 19 |
| Diameter of single wires | 24 AWG |
| Conductor crosssection (wire) | 24 AWG |



| Drain wire (cross-section) | 22 AWG |
|-------------------------------------------------|------------------------------------------------------|
| Material conductor wire | copper stranded wire, tinned |
| Electrical function wire | Data |
| Material wire insulation (Data) | PE |
| Outer diameter wire insulation (Data) | 1,5 mm |
| Tolerance outer diameter wire insulation (data) | ± 53 % |
| Ingredient freeness wire insulation (Data) | lead-free, CFC-free, halogen-free |
| Amount wires (Data) | 2 |
| Amount strands wire (Data) | 19 |
| Diameter of single wires (Data) | 22 AWG |
| Conductor crosssection wire (Data) | 22 AWG |
| Material conductor wire (Data) | copper stranded wire, tinned |
| Electrical function wire (data) | Power |
| Traversing distance (C-track) | 5 m |
| Nominal voltage AC max. | 300 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 4,5 A |
| Current load capacity min. Wire (Data) | 6 A |
| Electrical function wire | Data |
| Electrical function wire (data) | Power |
| Characteristic impedance | 120 Ω ± 10 % @ 1 MHz |
| Electrical resistance line constant wire | 78 Ω/km |
| Electrical resistance coating wire (Data) | 54 Ω/km |
| AC withstand voltage (wire - wire) | 2 kV @ 60 s |
| Electric capacitance | 40000 pF/km |
| AC withstand voltage (wire - shield) | 2 kV @ 60 s |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -30 °C |
| Operating temperature max. (dynamic) | 70 °C |
| Flame resistance | UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | DIN EN 60811-404 Good, application-related testing |
| Bending radius (installation) | x Outer diameter |
| Bending radius (fixed) | 6 x Outer diameter |
| Bending radius (dynamic) | 10 x Outer diameter |
| Travel speed (C-track) | 1 Mio. |
| No. of torsion cycles | 2 Mio. |
| Torsion stress | ± 30 °/m |
| Torsion speed | 35 cycles/min |