

M12 male recept. A-cod. rear

PUR AWG24+22 shielded vt UL/CSA+drag ch. 5m

DeviceNet, CANopen Flange male M12, 5-pole shielded Rear mounting

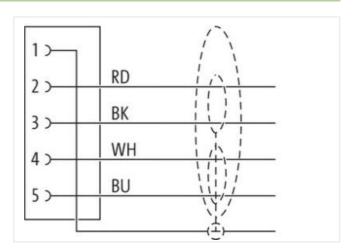
Further cable lengths on request.

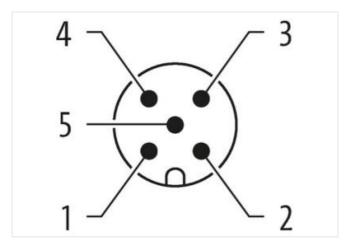
The resistance to aggressive media should be individually tested for your application. Further details on request.

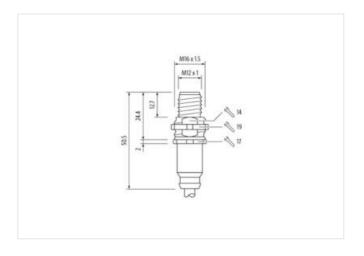
Link to Product

Illustration









Product may differ from Image











Cable length

5 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-19



| Family construction form M12 x 1 Coding A Material contact Copper allay Material contact Experiment of the contact of the | Mounting method | inserted, screwed | |
|---|--|-------------------|--|
| Family construction from M12 x 1 Coding A M12 x 1 Coding A A Material contact Copper alloy Material contact Copper alloy Material Contact Copper alloy Material Contact Copper alloy Side 2 Stripping length (facket) PF7 Side 2 Stripping length (facket) 20 mm Commercial contact Copper alloy Commercial contact Copper alloy Commercial copper alloy | Coating contact | gold plated | |
| Tread | | | |
| Material onfact Copper alloy Material Brass No. of poles 5 Degree of protection (IN IEC 60529) IP67 Sife of protection (IN IEC 60529) IP67 Sife of protection (IN IEC 60529) 1P67 Sife of protection (IN IEC 60529) 2 Part 1978 Commercial data ECLASS 6.0 2 2729220 ECLASS 6.1 2 2729220 ECLASS 7.0 2 27440103 ECLASS 8.0 2 27440103 ECLASS 8.10 2 27440103 ECLASS 10.1 2 27440103 ECLASS 11.1 2 27440103 ECLASS 12.0 2 27440103 EC | | M12 x 1 | |
| Material contact Copper alloy Material Brass No. of poles 5 Degree of protection (RN IEC 60529) 1967 Sidic 2 Sidic 2 Sidic 2 Sidic 2 Sidic 2 Sidic 2 Commercial data ECLASS 8.0 27279220 ECLASS 9.1 272440103 ECLASS 9.0 27440103 ECLASS 9.0 27440103 ECLASS 9.1 27440103 ECLASS 9.10 27440103 ECLASS 9.10< | Coding | A | |
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| No. of poles 5 Degree of protection (EN IEC 60529) IP67 Side 2 P87 Stripping length (jacker) 20 mm Commercial data ECLASS-6.0 27279220 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-13.0 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 <th colspan<="" td=""><td>Material</td><td></td></th> | <td>Material</td> <td></td> | Material | |
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| ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ETIM-5.0 ECO01855 customs tariff number 85444290 GTIN 4048879595063 Packaging unit 1 Electrical data Supply Operating voltage AC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics Status indication LED Status indication Connection V Width across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data Material data Coating folking Coating folking nickel plated Coating folking nick | ECLASS-6.1 | 27279220 | |
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| ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ETIM-5.0 ECO01855 customs tariff number 8544290 GTIN 4048879595063 Packaging unit 1 Electrical data Supply Operating voltage AC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics Status indication LED Status indication Connection Installation Connection Stripping length (jacket) 20 mm Mounting set M16 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data Material data Cacting locking Coating locking nickel plated <td< td=""><td></td><td>27440103</td></td<> | | 27440103 | |
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| customs tariff number 85444290 GTIN 4048879595063 Packaging unit 1 Electrical data Supply User a comment of the proper of the properties of the propertie | ECLASS-12.0 | | |
| GTIN 4048879595063 Packaging unit 1 Electrical data Supply Operating voltage AC max. 125 V Operating voltage pC max. 4 A Current operating per contact max. 4 A Diagnostics Status indication LED no Installation Connection Stripping length (jacket) 20 mm Mounting set M16 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data I Coating housing nickel plated Coating housing nickel plated Coating fitting nickel plated Coating fitting nickel plated Coating naterial Brass Mechanical data Mounting data Menal (September 2) | ETIM-5.0 | EC001855 | |
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| Packaging unit 1 Electrical data Supply Operating voltage AC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics Status indication LED no Installation Connection Stripping length (jacket) 20 mm Mounting set M16 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data Material data | GTIN | 4048879595063 | |
| Operating voltage AC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics Status indication LED Installation Connection Stripping length (jacket) 20 mm Mounting set M16 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating housing nickel plated Coating locking nickel plated Coating of fitting nickel plated Coating material Brass Material screw connection Brass Mechanical data Mounting data Mounting method Schraubgewinde Loking techniques Schraubgewinde | Packaging unit | | |
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| Status indication LED no Installation Connection Stripping length (jacket) 20 mm Mounting set M16 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating housing nickel plated Coating locking nickel plated Coating of fitting nickel plated Coating material screw connection Brass Material screw connection Brass Material screw connection Brass Mechanical data Mounting data Mounting method Schraubgewinde Coking method Schraubgewinde | Current operating per contact max. | 4 A | |
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| Stripping length (jacket) 20 mm Mounting set M16 x 1.5 Width across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data I Coating housing nickel plated Coating of fitting nickel plated Coating of fitting nickel plated Locking material Brass Material screw connection Brass Mechanical data Mounting data Mechanical data Mounting data Mounting method Schraubgewinde Loking techniques Schraubgewinde | Status indication LED | no | |
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| Material screw connection Brass Mechanical data Mounting data Mounting method Schraubgewinde Looking techniques Schraubgewinde | Locking material | | |
| Mounting method Schraubgewinde Looking techniques Schraubgewinde | Material screw connection | | |
| Looking techniques Schraubgewinde | Mechanical data Mounting data | | |
| | Mounting method | Schraubgewinde | |
| Environmental characteristics Climatic | Looking techniques | Schraubgewinde | |
| | Environmental characteristics Climatic | | |



stay connected

| Operating temperature min. | -25 °C |
|--|---|
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |
| Important installation notes | |
| lote on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| lote on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Approvals | |
| JL 50E | yes |
| Installation Cable | |
| · | 000 |
| Cable identification | 803 |
| acket Color | violet |
| ype of Certificate | cURus |
| mount 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 |
| Orain wire (cross-section) | 22 AWG |
| vire arrangement | (white, blue), (black, red) |
| Cable weigth | 63,12 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 90 ± 5 Shore A |
| reedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 6,9 mm |
| olerance outer diameter (sheath) | ±5% |
| Material wire insulation | PE |
| mount wires | 2 |
| Outer diameter insulation | 2,1 mm |
| Outer diameter tolerance core insulation | ±5% |
| Shore hardness wire insulation | 64 ± 5 Shore D |
| ngredient freeness wire insulation | lead-free, CFC-free, halogen-free |
| amount strands (wire) | 19 |
| Diameter of single wires | 24 AWG |
| Conductor crosssection (wire) | 24 AWG |
| Orain wire (cross-section) | 22 AWG |
| Material conductor wire | copper stranded wire, tinned |
| lectrical function wire | Data |
| Material wire insulation (Data) | PE |
| Outer diameter wire insulation (Data) | 1,5 mm |
| olerance outer diameter wire insulation (data) | ±53 % |
| ngredient freeness wire insulation (Data) | lead-free, CFC-free, halogen-free |
| mount wires (Data) | 2 |
| mount 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 |
| raversing distance (C-track) | 5 m |
| .a.s.sing diotarioo (O traon) | S |
| Iominal voltage AC max. | 300 V |



| 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 |