

M12 male 0° / M12 male 0° X-cod. shielded V2A

PUR 4x2xAWG26 shielded gn UL/CSA 1m

Ethernet CAT6A

Further cable lengths on request.

Male straight - male straight

M12 - M12, 8-pole

X-coded

Product fulfills requirements according to UN/ECE R118

shielded

Stainless steel 1.4305 (V2A)

Transmission properties with channel transmission up to 50 m

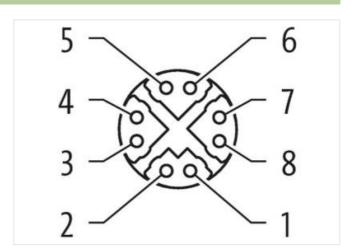
Plastic housings with good resistance against chemicals and oils.

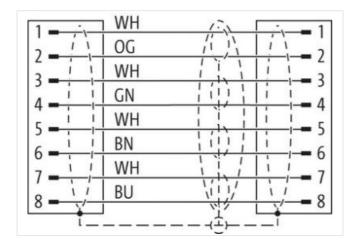
The resistance to aggressive media should be individually tested for your application. Further details on request.

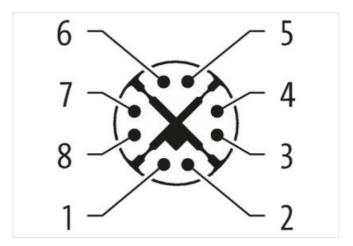
Link to Product

Illustration

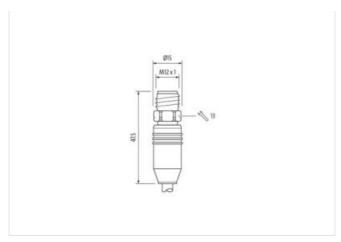












Product may differ from Image



| Side 1 Tightening torque 0.6 Nm Mounting method inserted, screwed Coaling contract gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Width across flats SW13 Side 2 Tightening torque Mounting method inserted, screwed Coaling contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial date ECLASS-6.0 27279218 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 | Cable length | 1 m | |
|---|--------------------------|-------------------|--|
| Mounting method inserted, screwed Coating contact gold paled Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Width across flats SW13 Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial date ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 <td>Side 1</td> <td></td> <td></td> | Side 1 | | |
| Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Width across flats SW13 Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 | Tightening torque | 0,6 Nm | |
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| Thread | Coating contact | gold plated | |
| Coding X Material contact Copper alloy No. of poles 8 Width across flats SW13 Side 2 Tightening torque Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECUSOMS and properties are acreated as a contract of the pro | Family construction form | M12 | |
| Material contact Copper alloy No. of poles 8 Width across flats SW13 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 | Thread | M12 x 1 | |
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| Width across flats SW13 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 | Material contact | Copper alloy | |
| Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.1.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.0 27060307 ECLASS-12.0 27060307 | No. of poles | 8 | |
| Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 27060307 ECTIM-5.0 EC002599 customs tariff number 85444290 | Width across flats | SW13 | |
| Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-15.0 EC002599 customs tariff number 85444290 | Side 2 | | |
| Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 EC002599 customs tariff number 85444290 | Tightening torque | 0,6 Nm | |
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| Thread M12 x 1 Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 27060307 ECIMS-5.0 EC002599 customs tariff number 85444290 | Coating contact | gold plated | |
| Coding X Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 ECIASS-12.0 27060307 ECIM-5.0 EC002599 customs tariff number 85444290 | Family construction form | M12 | |
| Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 | Thread | M12 x 1 | |
| No. of poles 8 Commercial data ECLASS-6.0 27279218 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 EC002599 customs tariff number 85444290 | Coding | Х | |
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| ECLASS-6.0 27279218 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-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 | No. of poles | 8 | |
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| ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 | ECLASS-6.1 | 27060307 | |
| ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 | ECLASS-7.0 | 27060307 | |
| ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 | ECLASS-8.0 | 27060307 | |
| ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 | ECLASS-9.0 | 27060307 | |
| ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 | ECLASS-10.1 | 27060307 | |
| ETIM-5.0 EC002599 customs tariff number 85444290 | ECLASS-11.1 | 27060307 | |
| customs tariff number 85444290 | ECLASS-12.0 | 27060307 | |
| | ETIM-5.0 | EC002599 | |
| GTIN 4048879667913 | customs tariff number | 85444290 | |
| | GTIN | 4048879667913 | |

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



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| Packaging unit | 1 |
|---|---|
| Electrical data Supply | |
| Operating voltage AC max. | 50 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. | 0,5 A |
| Industrial communication | |
| Transfer parameters | CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max. | 10000 MBit/s |
| Diagnostics | |
| Status indication LED | no |
| Device protection Electrical | |
| • | IP67 |
| Degree of protection (EN IEC 60529) | |
| Additional condition protection degree | inserted, screwed 3 |
| Pollution Degree | - |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | <u> </u> |
| Mechanical data | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Material housing | PUR |
| Locking material | Stainless steel 1.4305 (V2A) |
| 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 |
| Additional condition temperature range Important installation notes | |
| | depending on cable quality |
| Important installation notes | |
| Important installation notes Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
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| Important installation notes Note on strain relief Note on bending radius Conformity | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) |
| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification | depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) |
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| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding | depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 790 green cURus |
| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) | depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 790 green cURus 4 2 wires twisted 1 |
| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) | depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted |
| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) | depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned |
| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (coverage) | depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % |
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| Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding wire arrangement | depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 790 green cURus 4 2 wires twisted 1 4 Stranded joints twisted copper braid, tinned 65 % Foil (white, orange), (white, blue), (white, brown), (white, green) |
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| Freedom from ingredients (jacket) | lead-free, CFC-free, halogen-free |
|---|--|
| Outer-diameter (jacket) | 6,4 mm |
| Tolerance outer diameter (sheath) | ±5% |
| Material wire insulation | PE |
| Amount wires | 8 |
| Outer diameter insulation | 1,05 mm |
| Outer diameter tolerance core insulation | ±5% |
| Shore hardness wire insulation | 65 Shore D |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free |
| Amount strands (wire) | 7 |
| Diameter of single wires | 26 AWG |
| Conductor crosssection (wire) | 26 AWG |
| Material conductor wire | Stranded copper wire, bare |
| Nominal voltage AC max. | 125 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 2 A |
| Electrical resistance line constant wire | 140 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 2 kV @ 60 s |
| Electrical capacity line constant (wire - wire) | 44000 pF/km |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s |
| AC withstand voltage (wire - shield) | 2 kV @ 60 s |
| Loop resistance | 5000 MΩ × km |
| 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 | IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | Good, application-related testing DIN EN 60811-404 |
| Bending radius (fixed) | 8 x Outer diameter |
| Bending radius (dynamic) | 10 x Outer diameter |