

M12 female 90° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 5m

PROFIBUS

Female 90°

M12, 2-pole

B-coded

shielded

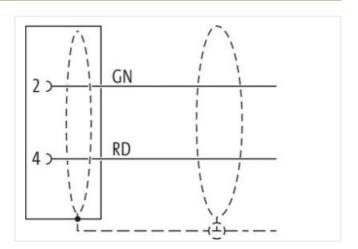
Plastic housings with good resistance against chemicals and oils.

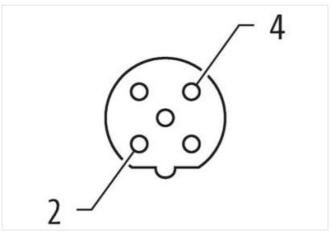
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

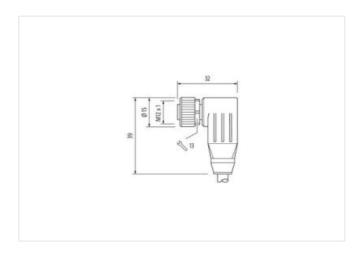
Link to Product

Illustration









Product may differ from Image













Cable length

5 m

Side 1



stay connected

Mounting method method method screwed method scre	Tightening torque	0,6 Nm
Family construction form M12 x 1 Thread M12 x 1 Coding 8 Material PUR With across falls SW13 Degree of protection (EN IEC 60529) IPS, IPSK, IPS7 Commercial data Commercial data ECLASS 6.0 27061801 ECLASS 6.1 27060907 ECLASS 7.0 27060907 ECLASS 9.0 27060907 ECLASS 9.0 27060907 ECLASS 9.1 27060907 ETIM 5.0 601806 COLIS 9.2 27060907 ETIM 5.0 60 V Operating voltage CM max 60 V Operating voltage CM max 60 V Operat	Mounting method	inserted, screwed
Coding B Material PUR With across flats SW13 Degree of protection (EN IEC 6052s) 1958, IP66K, IP67 Commercial data Fundamental data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27063037 ECLASS-1.1 27063037 ECLASS-1.2 27063037 ECLASS-1.3 27063037 ECLASS-1.1 27063037 ECLASS-1.2 27063037 ECLASS-1.3 27063037 ECLASS-1.0 27063037 ECLASS-1.1 27063037 ECLASS-1.2 27063037 ECLASS-1.3 404887344173 Packaging unit 1 ECLASS-1.2 404887344173 Packaging voltage AC Cmax. 60 V Operating voltage AC Cmax. 60 V Operating voltage AC Cmax. 40 V Operating voltage AC Cmax. 40 A Institution I Connection <t< td=""><td>Family construction form</td><td>M12</td></t<>	Family construction form	M12
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Width across files SW13 Degree of protection (EN IEC 60529) P68, IP68, IP67 Commercial date Feb. (IP68, IP67) ECLASS 6.0 27061801 ECLASS 6.1 27060307 ECLASS 7.0 27063007 ECLASS 8.0 27063007 ECLASS 8.0 27063007 ECLASS 1.1 27063007 ECLASS 1.2 27063007 ECLASS 1.1 27063007 ECLASS 1.2 27063007 ECLASS 1.3 27063007 ECLASS 1.2 27063007 ECLASS 1.2 27063007 ECLASS 1.2 27063007 ECLASS 1.2 27063000 EC	Coding	В
Degree of protection (EN IEC 80529) IP85, IP86K, IP87 Commercial data ECLASS-6.0 27068007 ECLASS-6.1 27068007 ECLASS-8.0 27068007 ECLASS-9.0 27068007 ECLASS-9.0 27068007 ECLASS-11.1 27068007 ECLASS-12.0 27068007 ECLASS-12.0 27068007 ECLASS-10.0 E008185 customs tariff number 85444290 OTIN 448879344173 Packaging unit 1 Electrical data I Suppty V Operating voltage AC max. 60 V Operating voltage AC policy. 60 V Operating voltage AC policy. 30 V Current operating per contact max. 4 A Installation I Connection M12 x 1 Device protection Electrical M2 x Additional condition protection degree inserted, screwed Pollution Degree 3 Retering tooling Nickeled Ceating tooling Nickeled Coating of litting <t< td=""><td>Material</td><td>PUR</td></t<>	Material	PUR
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ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ETM-S.0 EC091855 customs tariff number 85444290 GTIN 40487934173 Packaging unit 1 Electrical data Supply Operating voltage DC max 60 V Operating voltage DC max 60 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating per contact max. 4 A Installation Connection M12 x 1 Device protection Electrical Additional condition protection degree Follution Degree 3 Rated surge voltage 1,5 kV Medical group (IEC 60664-1) 1 Indicated tata Material data Value of elecasting Mechanical data Material data Value of elecasting Material screw connection Zinc die-casting Mechanical data Munting data Value of elecasting Mechanical data Munting data Value of elecasting Mounting temperature mix.	ECLASS-8.0	27060307
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ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 404873341173 Packaging unit 1 Electrical data Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage AC (IU-listed) 30 V Operating voltage AC (IU-listed) 30 V Operating voltage AC (IU-listed) 30 V Operating voltage AC max. 4 A Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage AC (IB-listed) II-listed Surge voltage AC max. 4 A Mechanical data Material data Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage II-listed Surge voltage Volt	ECLASS-11.1	27060307
customs tariff number 85444290 GTIN 4048879344173 Packaging unit 1 Electrical data Suppty Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Our perating per contact max. 4 A Installation Connection 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) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min25 °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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		27060307
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		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard DIN EN 61076-2-101 (M12)	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)

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



stay connected

Amount stranding 1 2 wires with 2 Filter twisted	Installation Cable	
Type of Certificate CUPtus Amount stranding 1 Stranding 2 wises with 2 Filler twisted Cable shielding (type) copper braid, finned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wie arrangement red, green Cable weigth 70.4 g/m Matterial jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from Ingredients (gacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 2, 7, mm Tolerance outer dameter (sheath) 2, 5 % Amount wires 2 Outer diameter (sheath) 2, 5 % Amount wires 2 Outer diameter (sheath) 2, 5 % Amount sire insulation 2, 55 mm Outer diameter (sheath) 1, 5 % Shore hardness wire insulation 1, 5 % Shore hardness wire insulation 1, 6 % 3 Shore D Ingredient freanses wire insulation 1, 6 % 3 Shore bardness wire insulation <t< td=""><td>Cable identification</td><td>841</td></t<>	Cable identification	841
Amount stranding 1 2 wires with 2 Filter twisted	Jacket Color	violet
Stranding 2 wines with 2 Filler twisted Cable shelding (type) copper brad, timed Cable shelding (coverage) 85 % Banding Fleece, Foll Filler yes wire arrangement red, green Cable weight 70.4 g/m Material jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from lingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7, 7 mm Toflerance outer diameter (sheath) ± 5 % Annount wires 2 Outer diameter inverlance core insulation ± 5 % Outer diameter lolerance core insulation ± 5 % Annount strands wire insulation ± 5 % Born hardness wire insulation ± 5 % Diameter of single wires ± 4 AWG Conductor of consistence (weil) ± 9 Diameter of single wires ± 4 AWG Material conductor wire Stranded copper wire, bare Traversing distance (F-track) 5 m @ 25 °C horizontal Nominal voltage (aver - wire)	Type of Certificate	cURus
Cable shielding (type) copper braid, finned Cable shielding (coverage) 85 % Banding Fleece, Foll Filer yes wire arrangement red, green Cable weigh 70.4 g/m Material jacket PUR Shore hardness jackel 87 ± 3 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7.7 mm Tolerance outer dameter (sheath) 1.5 % Armount wires 2 Outer-diameter insulation 2.55 mm Outer dameter insulation 5.5 ½ Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 24 AWG Conductor crosssection (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Conductor crosssection (wire) 25 Milliant Shaliant Controllar Nominal Voltage AC max.		1
Cable shielding (type) copper braid, finned Cable shielding (coverage) 85 % Banding Fleece, Foll Filer yes wire arrangement red, green Cable weigh 70.4 g/m Material jacket PUR Shore hardness jackel 87 ± 3 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7.7 mm Tolerance outer dameter (sheath) 1.5 % Armount wires 2 Outer-diameter insulation 2.55 mm Outer dameter insulation 5.5 ½ Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 24 AWG Conductor crosssection (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Conductor crosssection (wire) 25 Milliant Shaliant Controllar Nominal Voltage AC max.	Stranding	2 wires with 2 Filler twisted
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Banding Fleece, Foil Filler yes wive arrangement red, green Cable weigth 70,4 g/m Material jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter insulation £ 5% Shore hardness wire insulation £ 5 % Shore hardness wire insulation 6± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor cross-section (wire) 24 AWG Conductor cross-section (wire) 24 AWG Material conductor wire Stranded copper wire, bare Tavavrsing distance (C-track) 5 m 25 °C (I horizontal Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 2094-4 Current load capacity		
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AC withstand voltage (wire - shield) AC withstand voltage (wire shield) AC withs	·	29000 pF/km
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Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) 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 Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Min. operating temperature (static)	-40 °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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Max. operating temperature (fixed)	80 °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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature min. (dynamic)	-20 °C
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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (fixed)	7,5 x Outer diameter
Travel speed (C-track) 5 Mio. @ 25 °C	Bending radius (dynamic)	12 x Outer diameter
	Travel speed (C-track)	5 Mio. @ 25 °C