

## M12 female 0° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 13m

**PROFIBUS** 

Female straight

M12, 2-pole

B-coded

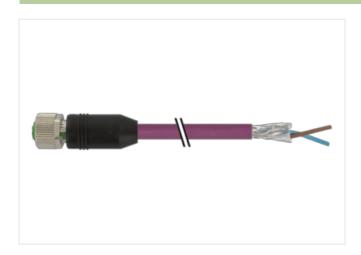
shielded

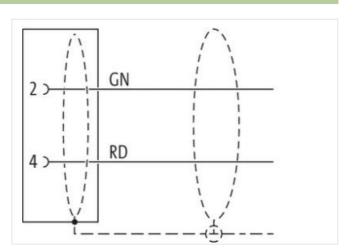
Plastic housings with good resistance against chemicals and oils.

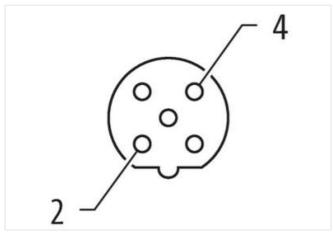
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

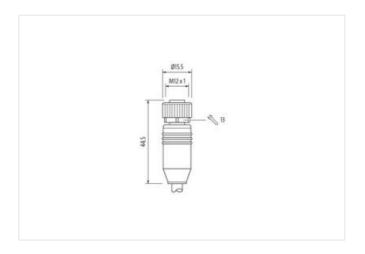
## **Link to Product**

## Illustration









Product may differ from Image















Cable length

13 m

Side 1



stay connected

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	4048879548830
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	
•	00
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)	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.

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: 2024-05-21



stay connected

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces.

Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement red, green  Cable identification 841  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires with 2 Filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil  Filler yes	
Installation   Cablewire arrangementred, greenCable identification841Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding2 wires with 2 Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, Foil	
wire arrangement red, green  Cable identification 841  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires with 2 Filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil	
Cable identification       841         Jacket Color       violet         Type of Certificate       cURus         Amount stranding       1         Stranding       2 wires with 2 Filler twisted         Cable shielding (type)       copper braid, tinned         Cable shielding (coverage)       85 %         Banding       Fleece, Foil	
Cable identification       841         Jacket Color       violet         Type of Certificate       cURus         Amount stranding       1         Stranding       2 wires with 2 Filler twisted         Cable shielding (type)       copper braid, tinned         Cable shielding (coverage)       85 %         Banding       Fleece, Foil	
Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding2 wires with 2 Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, Foil	
Type of Certificate cURus  Amount stranding 1  Stranding 2 wires with 2 Filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil	
Amount stranding  Stranding  2 wires with 2 Filler twisted  Cable shielding (type)  Cable shielding (coverage)  85 %  Banding  Fleece, Foil	
Stranding 2 wires with 2 Filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil	
Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil	
Cable shielding (coverage) 85 % Banding Fleece, Foil	
Banding Fleece, Foil	
wire 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 2,55 mm	
Outer diameter tolerance core insulation ±5%	
Shore hardness wire insulation 60 ± 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 crosssection (wire) 24 AWG	
Material conductor wire Stranded copper wire, bare	
Nominal voltage AC max. 300 V	
Current load capacity (standard) to DIN VDE 0298-4	
Current load capacity min. wire 4,5 A	
Electrical resistance line constant wire 72,2 Ω/km @ 20 °C	
AC withstand voltage (wire - wire) 2 kV @ 60 s	
Electric capacitance 29000 pF/km	
Power frequency withstand voltage (wire - 2 kV @ 60 s	
jacket)	
AC withstand voltage (wire - shield) 2 kV @ 60 s	
jacketi	
AC withstand voltage (wire - shield) 2 kV @ 60 s	
AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C	
AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C	
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) -20 °C	
AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  70 °C	
AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  AC WW @ 60 s  -40 °C  -40 °C  -20 °C  Operating temperature min. (dynamic)  -20 °C  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090	
AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (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	
AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  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	
AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Aux. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  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	
AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  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   DIN EN 60811-404  Bending radius (fixed)  7,5 x Outer diameter	
AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Ac withstand voltage (wire - shield)  Min. operating temperature (fixed)  Bo °C  Operating temperature min. (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	