

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

PVC 1x2xAWG24 shielded vt UL/CSA 10m

**PROFIBUS** 

Male straight

M12, 2-pole

B-coded

shielded

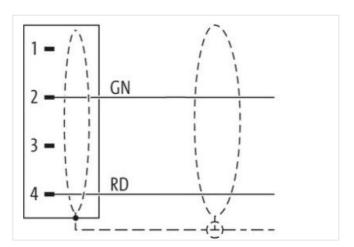
Plastic housings with good resistance against chemicals and oils.

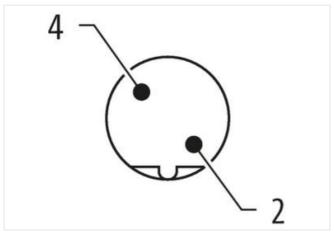
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

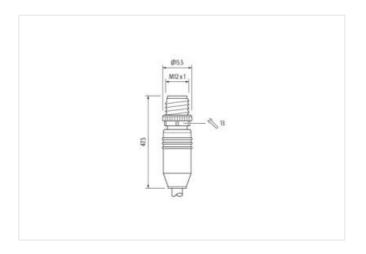
## **Link to Product**

## Illustration









Product may differ from Image















Cable length

10 m

Side 1



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	4048879483230
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	
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)	I
Mechanical data	
Contour for corrugated hose	without
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



stay connected

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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
•	vad avaan
wire arrangement  Cable identification	red, green 850
Jacket Color	violet
Amount stranding	1
Stranding	2 wires with 2 Filler twisted
Cable shielding (type)	
Cable shielding (type)  Cable shielding (coverage)	copper braid, tinned 70 %
<u> </u>	
Banding Filler	Fleece, Foil
	yes red, green
wire arrangement  Cable weigth	75,9 g/m
Cable weigtri Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7.8 mm
Tolerance outer diameter (sheath)	± 5 %
Amount wires	2
Outer diameter insulation	
Outer diameter insulation  Outer diameter tolerance core insulation	2,55 mm ± 5 %
	lead-free, CFC-free, halogen-free
Ingredient freeness wire insulation	19
Amount strands (wire)	24 AWG
Diameter of single wires  Conductor crosssection (wire)	24 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	30 V
	to DIN VDE 0298-4
Current load capacity (standard)	
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	78 Ω/km @ 20 °C 1,5 kV @ 60 s
AC withstand voltage (wire - wire)	30000 pF/km
Electric capacitance  Power frequency withstand voltage (wire -	1,5 kV @ 60 s
acket) AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-25 °C
Max. operating temperature (static)	70 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	60 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing  DIN EN 60811-404   Good, application-related testing
Oil resistance	
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)  No. of bending cycles (C-track)	12 x Outer diameter  2 Mio. @ 25 °C
Trougrains distance (C to all)	
Traversing distance (C-track)  Travel speed (C-track)	5 m @ 25 °C 3 m/s @ 25 °C