

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

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 50m

Art.No.: 7000-14061-8405000 Weight: 4.368 Country of origin: CZ Model designation: MSBBL0-F840 50.0-ZS

## Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

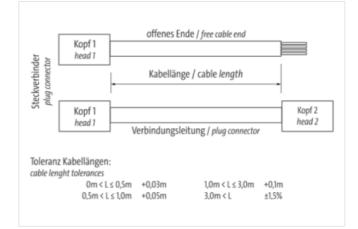
**Product details:** PROFIBUS Female straight M12, 2-pole **B-coded** shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

## Link to Product

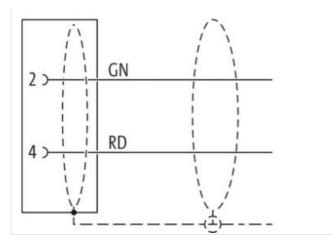
Illustration

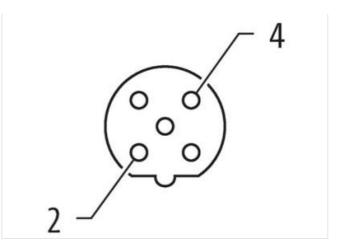


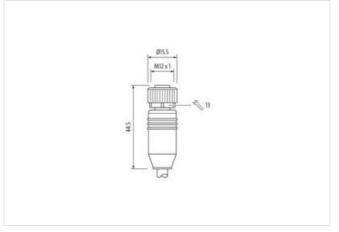


The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-05-11









Product may differ from Image



Cable length	50 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	В
Material contact	Copper alloy
Material	PUR
No. of poles	2
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end
Commercial data	

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Diagnostics           Status indication LED         no           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         Mechanical data           Contour for corrugated hose         without         Mechanical data         Contour for corrugated hose         without           Mechanical data   Material data         Coating locking         Nickeled         Coating locking         Nickeled           Coating of fitting         nickel plated         Locking material         Zinc die-casting         Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting         Munting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climattic         Operating temperature min.         -25 °C         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Important installation notes         Note one strain relief         Protect the connectors by suitable measures from mechanicical l	Operating voltage DC (UL-listed)	30 V
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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	Stripping length (jacket)	20 mm
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Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data       I         Contour for corrugated hose       without         Mechanical data       I         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         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.         Note on strain relief       Protect the permissible bending radii when laying cables, as the IP protection class can be	Device protection   Electrical	
Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data       Important installation notes         Contour for corrugated hose       without         Mechanical data       Important installation notes         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Important 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.	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)       I         Mechanical data       Contour for corrugated hose       without         Mechanical data   Material data       Mechanical data   Material data       Coating locking       Nickeled         Coating locking       Nickeled       Coating of fitting       nickel plated         Locking material       Zinc die-casting       Material screw connection       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.         Note on barding radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	Pollution Degree	3
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	Note on strain relief	
	Note on bending radius	

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## Conformity

Product standard	DIN EN 61076-2-101 (M12)	
Installation   Cable		
wire arrangement	red, green	
Cable identification	840	
Function cable	Data	
Jacket Color	violet	
Type of Certificate	cURus	
Amount stranding	1	
Stranding	2 wires twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	70 %	
Banding	Fleece. Foil	
	•	
wire arrangement Cable weigth	red, green	
	82,5 g/m PUR	
Material jacket		
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Outer-diameter (jacket)	7,8 mm	
Tolerance outer diameter (sheath)	±5%	
Material inner jacket	TPE-V	
Color (inner jacket)	white	
Material wire insulation	cell polyethylene	
Amount wires	2	
Outer diameter insulation	2,55 mm	
Outer diameter tolerance core insulation	±5%	
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free	
Amount strands (wire)	19	
Diameter of single wires	36 AWG	
Conductor crosssection (wire)	24 AWG	
Material conductor wire	Stranded copper wire, bare	
Nominal voltage AC max.	250 V	
Current load capacity (standard)	to DIN VDE 0298-4	
Current load capacity min. wire	3 A	
Characteristic impedance	150 Ω ± 10 % @ 1 MHz	
Electrical resistance line constant wire	78 Ω/km @ 20 °C	
AC withstand voltage (wire - wire)	1 kV @ 60 s	
Electrical capacity line constant (wire - wire) 30000 pF/km		
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s	
AC withstand voltage (wire - shield)	1 kV @ 60 s	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)	80 °C	
Operating temperature min. (dynamic)	-20 °C	
Operating temperature max. (dynamic)	60 °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	Good, application-related testing   DIN EN 60811-404	
Bending radius (fixed)	10 x Outer diameter	
Bending radius (dynamic)	12 x Outer diameter	
No. of bending cycles (C-track)	5 Mio. @ 25 °C	
Traversing distance (C-track)	5 m @ 25 °C   horizontal	
Travel speed (C-track)	3 m/s @ 25 °C	

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