

## M12 female 0° A-cod. with cable

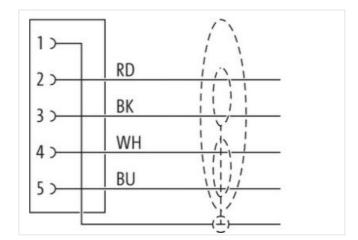
PUR AWG24+22 shielded vt UL/CSA+drag ch. 10m

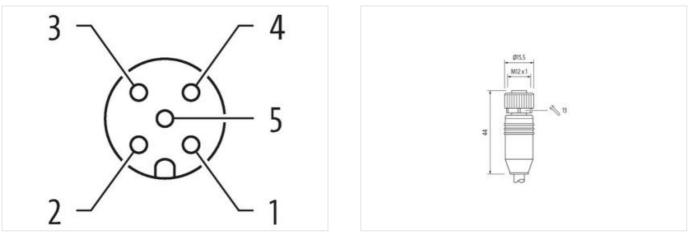
DeviceNet, CANopen Female straight M12, 5-pole A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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: 2024-04-19

10 m

0,6 Nm



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Material gasket    FKM      Locking material    Zinc die-casting      Material screw connection    Zinc die-casting      Mechanical data   Mounting data    Inserted, screwed, Shaking protection      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic    -25 °C      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality	Coating locking	Nickeled
Locking material    Zinc die-casting      Material screw connection    Zinc die-casting      Mechanical data   Mounting data    Inserted, screwed, Shaking protection      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality	Coating of fitting	
Material screw connection    Zinc die-casting      Mechanical data   Mounting data    Inserted, screwed, Shaking protection      Mounting method    inserted, screwed, Shaking protection      Environmental characteristics   Climatic    -25 °C      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality	Material gasket	
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	Locking material	
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	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic      Operating temperature min.    -25 °C      Operating temperature max.    85 °C      Additional condition temperature range    depending on cable quality	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  85 °C    Additional condition temperature range  depending on cable quality	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C
	Operating temperature max.	85 °C
Conformity	Additional condition temperature range	depending on cable quality
	Conformity	

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Product standard

DIN EN 61076-2-101 (M12)

Installation   Cable	
Cable identification	803
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
No. of bending cycles (C-track)	1 Mio.
Cable weigth	63,12 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Traversing distance (C-track)	5 m
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
Nominal voltage power AC max.	300 V
Electric capacitance (power)	40000 pF/km

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AC withstand voltage power (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
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	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	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m

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