

M12 female 0° A-cod. with cable

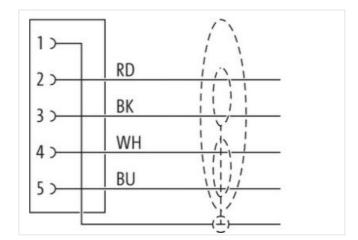
PUR AWG24+22 shielded vt UL/CSA+drag ch. 15m

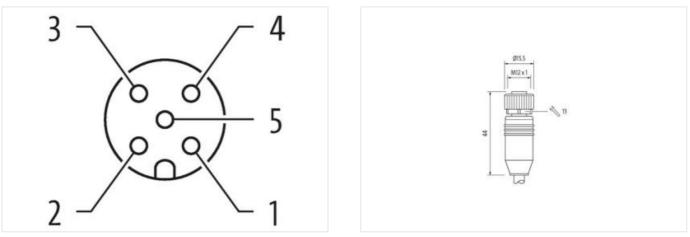
DeviceNet, CANopen Female straight M12, 5-pole A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

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: 2024-04-27

15 m

0,6 Nm



Thread M2 × 1 Coding A A Maximal PUR W13 Degree of protection (ENEC 6053) IP65, IP66K, IP77 Side 2 Umm Commercial data 20 mm Commercial data 27061901 ECLASS 6.0 27061901 ECLASS 6.1 27060307 ECLASS 6.0 27060307 ECLASS 6.0 27060307 ECLASS 7.0 27060307	Family construction form	M12
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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



Product standard

DIN EN 61076-2-101 (M12)

i loddel stalldard	
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	
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)	
Ingredient freeness wire insulation (Data)	± 35 % lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data) Diameter of single wires (Data)	19 22 AWG
Conductor crosssection wire (Data)	22 AWG 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)	
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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