

M12 female 0° A-cod. with cable

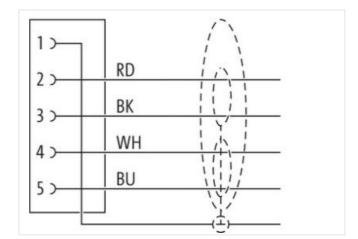
PUR AWG24+22 shielded vt UL/CSA+drag ch. 8m

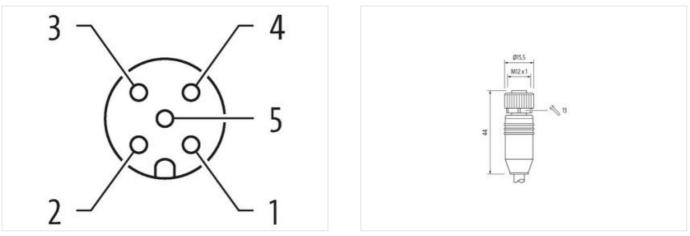
DeviceNet, CANopen Female straight M12, 5-pole A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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8 m

0,6 Nm



Family construction form	M12
Thread	M12 x 1
Coding	Α
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	4048879199582
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)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climation	C
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. 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		
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)	
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%	
, , , , , , , , , , , , , , , , , , ,	2 5 % PE	
Material wire insulation		
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	
Nominal voltage AC max.	300 V	
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	

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Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
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)	-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
Travel speed (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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