

## M12 male 90° / M12 female 0° A-cod.

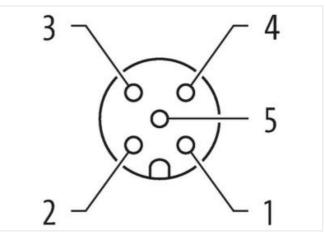
PUR AWG24+22 shielded vt UL/CSA+drag ch. 0.7m

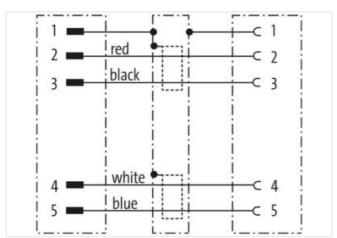
DeviceNet, CANopen Male 90° – female straight M12 – M12, 5-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

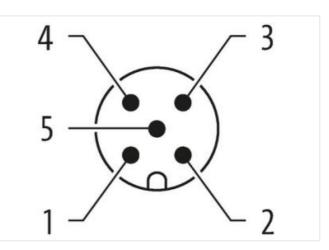
## Link to Product





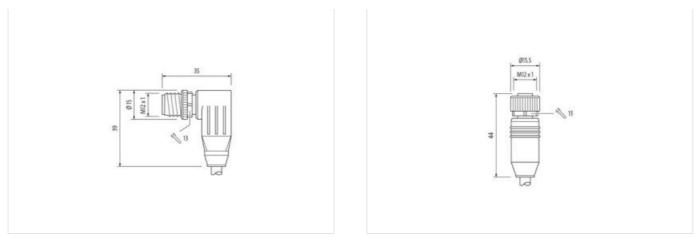






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Product may differ from Image



Cable length	0,7 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
ECLASS-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879533508
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
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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	
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	
	Nickeled
Coating locking	
Coating of fitting Locking material	nickel plated Zinc die-casting
Material screw connection	Zinc die-casting Zinc die-casting
	นาย นเช-งสอนกฎ
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 bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
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)
Traversing distance (C-track)	5 m
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%
	PE
Material wire insulation	
Material wire insulation Amount wires	2

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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	
Amount strands (wire)     19       Diameter of single wires     24 AWG       Conductor crosssection (wire)     24 AWG       Drain wire (cross-section)     22 AWG	
Diameter of single wires24 AWGConductor crosssection (wire)24 AWGDrain wire (cross-section)22 AWG	
Conductor crosssection (wire)     24 AWG       Drain wire (cross-section)     22 AWG	
Drain wire (cross-section) 22 AWG	
Material conductor wire	
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	
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	
Electrical function wire (data) Power	
Characteristic impedance $120 \Omega \pm 10 \% @ 1 MHz$	
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 (fixed)     6 x Outer diameter	
Bending radius (fixed)     6 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter	
Bending radius (fixed)     6 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Travel speed (C-track)     1 Mio.	

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