

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

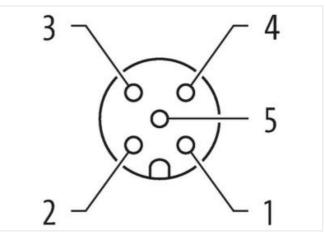
PUR AWG24+22 shielded vt UL/CSA+drag ch. 5m

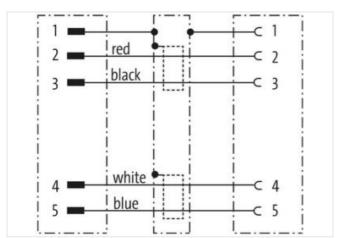
DeviceNet, CANopen Male 90° – female straight M12 – M12, 5-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

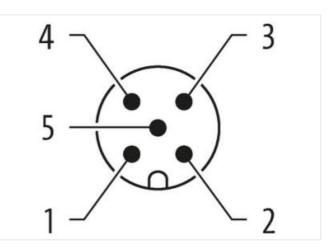
## Link to Product





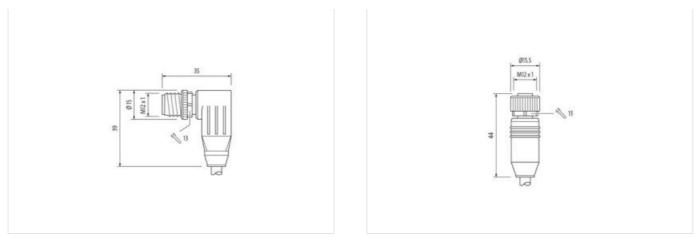






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Product may differ from Image



Cable length	5 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	4048879608305
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
	47
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	nickel plated
Locking material	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 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	
Installation   Cable	803
	803 violet
Cable identification	
Cable identification Jacket Color Type of Certificate	violet
Cable identification Jacket Color	violet cURus
Cable identification Jacket Color Type of Certificate Amount stranding	violet cURus 1
Cable identification Jacket Color Type of Certificate Amount stranding Stranding	violet cURus 1 2 wires twisted
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2)	violet CURus 1 2 wires twisted 1
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	violet   cURus   1   2 wires twisted   1   2 Stranded joints twisted
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section)	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m     PUR
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m     PUR     90 ± 5 Shore A
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     6,9 mm
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     6,9 mm     ± 5 %
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     6,9 mm     ± 5 %     PE
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	violet     cURus     1     2 wires twisted     1     2 Stranded joints twisted     copper braid, tinned     65 %     Foil     22 AWG     (white, blue), (black, red)     63,12 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     6,9 mm     ± 5 %     PE     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
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
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
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
No. of bending cycles (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m

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