

M12 female 90° A-cod. with cable shielded

PVC 3x0.34 shielded gy UL/CSA 7.5m

Female 90° M12, 3-pole shielded A-coded

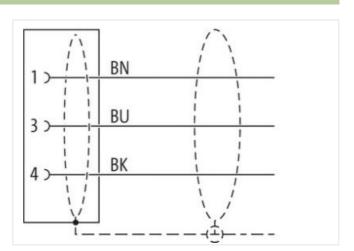
Plastic housings with good resistance against chemicals and oils.

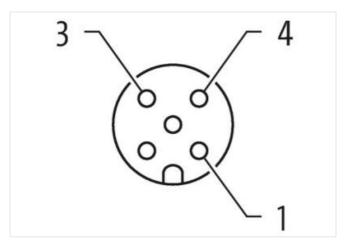
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

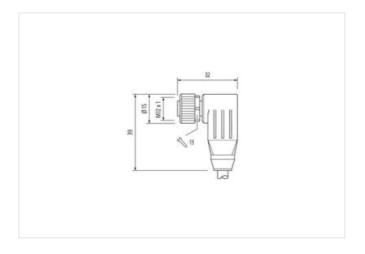
Link to Product

Illustration









Product may differ from Image









Cable length

7,5 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-21



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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	
Stripping length (jacket)	20 mm
	20 11111
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879199483
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 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 Material data	
·	
Coating locking	Nickeled
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
i roduct standard	DIR ER 010/0-2-101 (NI12)

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Amount stranding Stranding Stranding factor min. Stranding factor max. Cable shielding (type) Cable shielding (coverage) Banding	brown, black, blue 317 gray 1 3 wires twisted 40 mm 40 mm copper braid, tinned 85 %
Cable identification Jacket Color Amount stranding Stranding Stranding factor min. Stranding factor max. Cable shielding (type) Cable shielding (coverage) Banding	317 gray 1 3 wires twisted 40 mm 40 mm copper braid, tinned 85 %
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Stranding factor min. Stranding factor max. Cable shielding (type) Cable shielding (coverage) Banding	40 mm copper braid, tinned 85 %
Stranding factor max. Cable shielding (type) Cable shielding (coverage) Banding	copper braid, tinned 85 %
Cable shielding (type) Cable shielding (coverage) Banding	85 %
Cable shielding (coverage) Banding	85 %
Banding	
	Fleece, Foil
<u> </u>	brown, black, blue
Cable weigth	56,1 g/m
<u> </u>	PVC
<u> </u>	80 ± 5 Shore A
· · · · · · · · · · · · · · · · · · ·	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,9 mm
	±5%
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	90 ± 3 Shore A
	lead-free, cadmium-free, CFC-free, silicone-free
	19
<u> </u>	0,15 mm
Conductor crosssection (wire)	0,34 mm ²
, ,	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
	to DIN VDE 0298-4
	6 A
	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire -	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter