

M12 female 90° A-cod. with cable LED

PVC 5x0.34 bk UL/CSA 3m

Female 90° M12, 5-pole 3× LED (PNP)

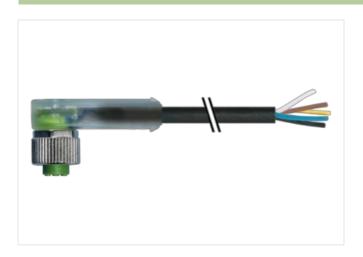
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

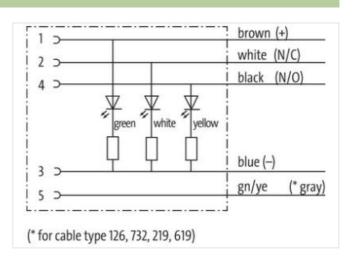
Plastic housings with good resistance against chemicals and oils.

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

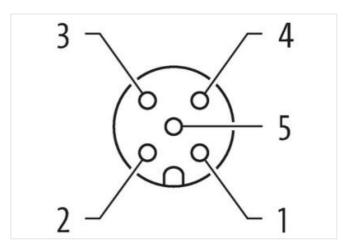
Link to Product

Illustration









Product may differ from Image











Cable length

3 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: 2024-05-02



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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879202077
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, white, yellow
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Mechanical data Material data Coating locking	Nickeled
	Nickeled nickel plated
Coating locking	
Coating locking Coating of fitting	nickel plated
Coating locking Coating of fitting Locking material	nickel plated Zinc die-casting
Coating locking Coating of fitting Locking material Material screw connection	nickel plated Zinc die-casting
Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min.	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max.	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C
Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C

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Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	615
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	48,4 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,2 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter