

stay connected

## M12 female 90° A-cod. with cable LED

PUR 5x0.34 bk UL/CSA+drag ch. 1m

Female 90° M12, 5-pole 3× LED (PNP)

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

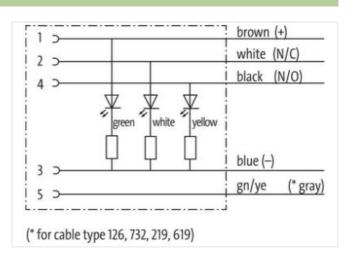
Plastic housings with good resistance against chemicals and oils.

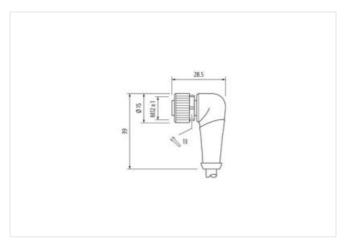
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

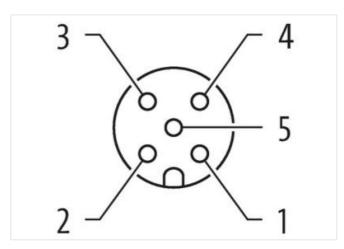
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

1 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: 2024-05-13



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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	27061801
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	4048879913645
Packaging unit	1
Electrical data   Supply	
	24 V
Operating voltage DC Operating voltage DC min.	24 V 18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
	47
Diagnostics	
Status indication LED	green, white, yellow
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Additional condition protection degree Pollution Degree	inserted, screwed 3
•	·
Pollution Degree	3
Pollution Degree Rated surge voltage	3
Pollution Degree Rated surge voltage Material group (IEC 60664-1)	3
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data	3 0,8 kV
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking	3 0,8 kV I Nickeled
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting	3 0,8 kV I Nickeled nickel plated
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data Mounting method  Environmental characteristics   Climatic	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data Mounting method Environmental characteristics   Climatic Operating temperature min.	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data 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.	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  -25 °C 85 °C
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data 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	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data 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 Important installation notes	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  -25 °C 85 °C depending on cable quality
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data 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	3 0,8 kV 1 Nickeled 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	635
Cable Type	3
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
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Cable weigth	41,8 g/m
Material jacket	PUR
	90 ± 5 Shore A
Shore hardness jacket Freedom from ingredients (jacket)	
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,8 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Denuing radius (dynamic)	
Travel speed (C-track)	10 Mio. @ 25 °C
	10 Mio. @ 25 °C 2 Mio.
Travel speed (C-track)	<del>-</del>