

M12 female 90° A-cod. with cable LED

PUR 4x0.34 bk UL/CSA+robot+drag ch. 20m

Female 90° Zinc die casting, save-cover coated M12, 4-pole 3× LED (PNP)

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

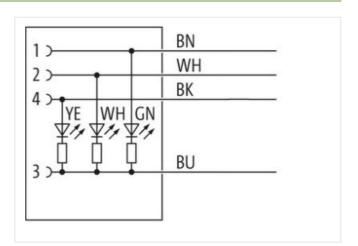
Plastic housings with good resistance against chemicals and oils.

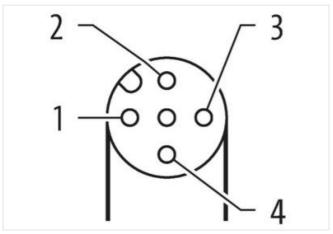
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

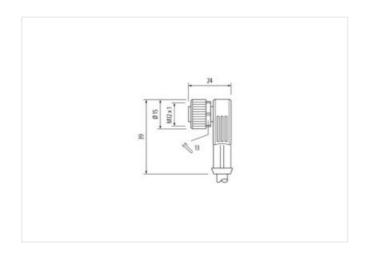
Link to Product

Illustration









Product may differ from Image











Cable length

20 m

Side 1



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Family construction form Thread Suitable for corrugated tube (internal Ø) Coding Material Width across flats Degree of protection (EN IEC 60529) Commercial data ECLASS-6.0 ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit Electrical data Supply Operating voltage DC max. Operating voltage DC max. Operating voltage DC max. (UL-listed)	PUR SW13 P65, IP66K, IP67 27279218 27279218 27279218 27279218 27279218 27060311 27060311 27060311 27060311 27060311 27060313
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Operating voltage DC min. Operating voltage DC max. Operating voltage DC max. (UL-listed) Current operating per contact max. 4	24 V
Operating voltage DC max. 39 Operating voltage DC max. (UL-listed) 39 Current operating per contact max. 4	18 V
Operating voltage DC max. (UL-listed) Current operating per contact max. 4	30 V
Current operating per contact max. 4	30 V
	4 A
Diagnostics	
Status indication LED gr	green, white, yellow
Installation Connection	
Mounting set M	M12 x 1
Device protection Electrical	
Additional condition protection degree in	nserted, screwed
Pollution Degree 3	
-),8 kV
Material group (IEC 60664-1)	•
Mechanical data Material data	
	safe-cover coated
	nickel plated
Locking material Z	Zinc die-casting
Material screw connection Z	Zinc die-casting
Mechanical data Mounting data	
Mounting method in	nserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min2	25 °C
Operating temperature max.	35 °C
Additional condition temperature range de	depending on cable quality
Important installation notes	
Note on strain relief P	

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: 2024-05-18



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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)
Installation Cable	
Cable identification	654
Cable Type	5
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	36,3 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter insulation Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42
Amount strands (wire)	0,1 mm
Diameter of single wires	· · · · · · · · · · · · · · · · · · ·
Conductor crosssection (wire) Material conductor wire	0,34 mm²
	Stranded copper wire, bare strand class 6
Conductor type (wire)	
Traversing distance (C-track) Nominal voltage AC max.	5 m @ 25 °C horizontal
	to DIN VDE 0298-4
Current load capacity (standard) Current load capacity min. wire	
	4,8 A
Electrical resistance line constant wire	60 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 IEC 60332-2-2 UL 1581 § 1090
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min