

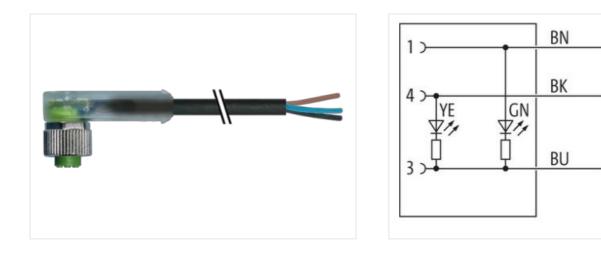
M12 female 90° A-cod. with cable LED

PUR 3x0.34 bk UL/CSA+drag ch. 5m

Female 90° M12, 3-pole 2× 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



5 m

0,6 Nm

Cable length

Side 1

Tightening torque

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: 2024-05-17



Coating contactgold platedFamily construction formM12ThreadM12 x 1suitable for corrugated tube (internal Ø)10 mmCodingAMaterial contactCopper alloyWidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2Stripping length (jacket)20 mmCoating contactgold platedCommercial dataECLASS-6.0ECLASS-6.027279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-9.027060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.024 VOperating voltage DC24 VOperating voltage DC max.30 VOperating voltage DC max. <t< th=""><th></th></t<>	
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Material screw connection Zinc die-casting	
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Mounting method inserted, screwed, Sh	aking protection
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Environmental characteristics Climatic	

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: 2024-05-17



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)
Installation Cable	
Cable identification	633
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 g/m
Vaterial jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Duter-diameter (jacket)	
u ,	4,1 mm
olerance outer diameter (sheath)	±5% PP
Aaterial wire insulation	
Amount wires	3
Duter diameter insulation	1,25 mm
Duter diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
ngredient 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 ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 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 - acket)	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
JV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Dil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Fravel speed (C-track)	10 Mio. @ 25 °C

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No. of torsion cycles

2 Mio.

Torsion stress Torsion speed ± 180 °/m 35 cycles/min

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