

M12 female 90° A-cod. with cable LED

PUR 3x0.34 gy UL/CSA+drag ch. 20m

Female 90° M12, 4-pole 2× LED (PNP) bridged

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

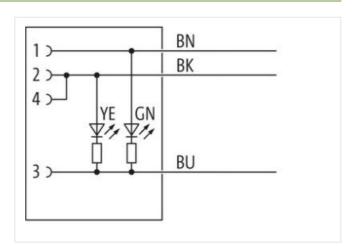
Plastic housings with good resistance against chemicals and oils.

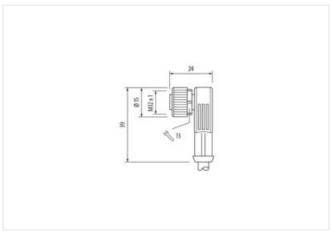
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

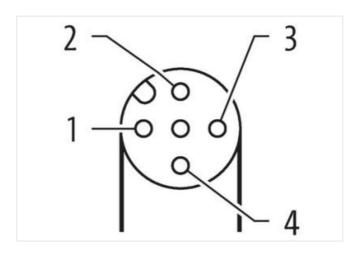
Link to Product

Illustration









Product may differ from Image











Cable length

20 m

Side 1



Mounting method meried, screwed Samily construction from M12 x 1 Treatil 3112 x 1 suitable for conregated twbe (internal C) 10 mm Michanian PUR Wich across flats BY13 Degree of protection (EN EC 6056) IPSE, IPSEK IPS7 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.2 27060311 ECLASS-1.3 27060311 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.2 27070311 ECLASS-1.3 27070311 ECLASS-1.2 27070311 ECLASS-1.2 27070311 ECLASS-1.3 27070311 ECLASS-1.3 1 Packaging unit 1 Electrical data [Suppty Operal	Tightening torque	0,6 Nm
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Degree of protection (EN IEC 60529)	Material	PUR
Commercial data	Width across flats	SW13
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ECLASS 6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 2706031 ETM-5.0 EC001855 customs failf number 85444290 GTIN 4048879203845 Packaging unit 1 Electrical data Supply Operatiny voltage DC 24 V Operatiny voltage DC 24 V Operatiny voltage DC max. 30 V Operatiny voltage DC max. 30 V Operatiny voltage DC max. (UL-listed) 30 V Current operating por contact max. 4 A Diagnostics Status indication LED green, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree 3 Poliution Degree 3 Auditional condition protection degree	Commercial data	
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Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality Important installation notes		
Important installation notes		depending on cable quality
		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

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: 2024-05-19



stay connected

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces.

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Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
·	husung blade blee
wire arrangement	brown, black, blue
Cable identification	233
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,1 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
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 ²
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	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 - 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
Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min