

M12 male 0° / M12 female 90° A-cod. LED

PUR 4x0.34 bk UL/CSA+drag ch. 4.5m

Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request

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

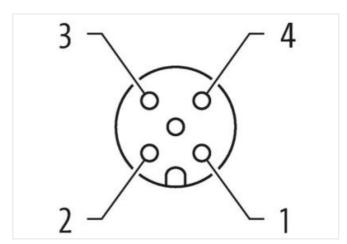
Plastic housings with good resistance against chemicals and oils.

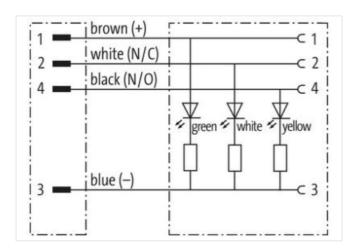
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

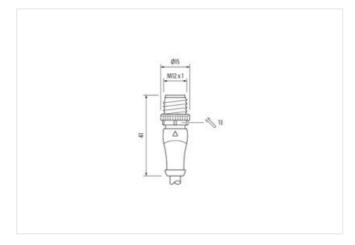
Link to Product

Illustration





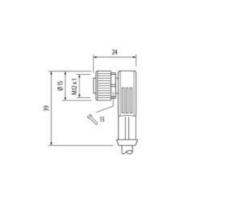






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Product may differ from Image











Cable length	4,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	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	4048879169417
Packaging unit	1
Electrical data Supply	



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Operating voltage DC min. Operating temperature min. Operating t		
Operating voltage DC max. Operating port contact max. 4 A	Operating voltage DC	24 V
Coverating variage DC max. (U.Ilated) 30 V Ciuriant operating per contort max. 4 A Diagnostics Siatus indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition protection degree inserted, screwed Foliation Degree 3 S Reled surge voltage 0 S V Material group (EE 6668-1) 1 Coaling of litting Coalin	Operating voltage DC min.	18 V
Diagnostics Status indication LED green, white, yellow Installation Connection Mounting set MIZ x 1 Additional condition protection degree inserted, screwed Additional group (IEC 60064-1) I Mechanical data Material data Mechanical data Material data Coating folding incide plated Coating folding incide plated Coating folding incide plated Material screw connection Zinc discasting Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating Inspirature max. 85 °C Additional condition temperature range depending on cable quality Important institution network in the protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contentity Product standard Discussion Classes the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contentity Product standard Discussion (Classes the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contentity Product standard Discussion (Classes the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contentity Stranding William (Classes Cooler Type) 3 Lasket Coder Company 4 Stranding William (Classes Coder Co	Operating voltage DC max.	30 V
Status indication LED green, white, yellow Installation Connection Mounting set M12 x 1 Device protection Electrical Additional condition production degree insurance in	Operating voltage DC max. (UL-listed)	30 V
Status indication LED grown, white, yallow Installation Connection Mounting set M12 x Device protection Electrical Additional condition protection degree Inserted, screwed Pollution Degree 3 Asterdia unge voltage 0,8 kV Material group (IEC 80864-1) I Material group (IEC 80864-1) I Material group (IEC 80864-1) I Mechanical data Material atta Mechanical data Material atta Material screw connection Zinc disc-asting Material screw connection Zinc disc	Current operating per contact max.	4 A
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Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 %	Amount wires	4
	Outer diameter insulation	1,25 mm
Shore hardness wire insulation 70 ± 5 Shore D	Outer diameter tolerance core insulation	±5%
	Shore hardness wire insulation	70 ± 5 Shore D

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: 2024-05-20



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 mm²
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	4,8 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 § 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 ℃
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