

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

PVC 4x0.34 bk UL/CSA 5m

Male straight – female straight M12 – M12, 4-pole 2× LED (PNP), (NPN) on request

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

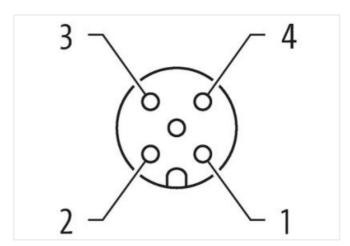
Plastic housings with good resistance against chemicals and oils.

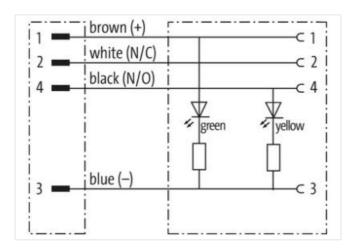
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

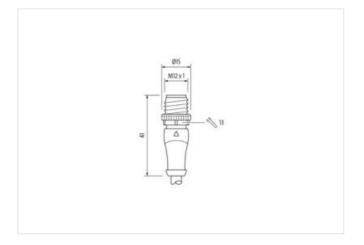
## **Link to Product**

## Illustration





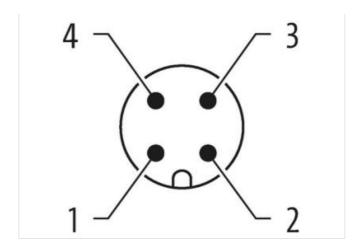






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Product may differ from Image



Cable length





5 m





Cable length	5111
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
Coding	A
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
Coding	A
Material	PUR
Width across flats	SW13
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	4048879777032



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Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A  Diagnostics Status indication LED green, yellow Installation   Connection Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3  Alated surge voltage 0 A, 8 kV Material group (IEc 66684-1) I  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Deparating temperature min25 °C Operating temperature min25 °C Operating temperature max. 85 °C Additional condition networks  Motor of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Packaging unit	1
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Digernating per contame.   4 A		30 V
Diagnostics         Status Indication LED         green, yellow           Installation   Connection         Installation   Connection           Modification all condition protection degree         Inserted, screwed           Modification organization organi	Operating voltage DC max. (UL-listed)	30 V
Installation (EDM protection   EDM protection   Education   EDM protection   EDM prot	Current operating per contact max.	4 A
Installation   Connection  ### M12 x 1    Device protection   Electrical  ### Additional condition protection degree   inserted, screwed	Diagnostics	
Device protection   Electrical  Additional condition protection degree inserted, screwed  Solution Degree 3  Stated surpe voltage 0,8 kV  Alaterial group (EC 60664-1)   I  Ceating locking Nickeled  Ceating locking Nickeled  Ceating locking nickel plated  Coating of fitting nickel plated  Coating martrial  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Alaterial screw connection Zinc die-casting  Mechanical data   Mounting data  Deparating temperature man. 25 °C  Deparating temperature man. 25 °C  Deparating temperature man. 35 °C	Status indication LED	green, yellow
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Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min.		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  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 614  Cable Type 1 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh 40,7 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 1 5 mm  Follorance outer diameter (sheath) ± 5 %  Material wires insulation in PVC  Amount wires 4		Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.		
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Folerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4		
Material wire insulation PVC Amount wires 4		
Amount wires 4		
Duter diameter insulation 1,25 mm		
	Outer diameter insulation	1,25 mm



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Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter