

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

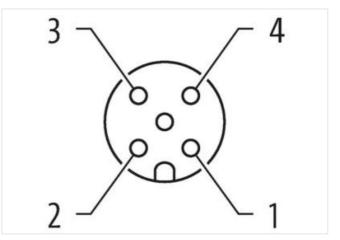
PUR 4x0.34 or UL/CSA+robot+drag ch. 5.5m

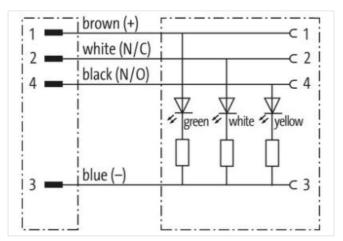
Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

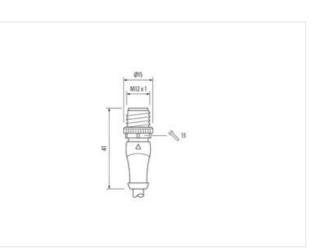
Link to Product

Illustration



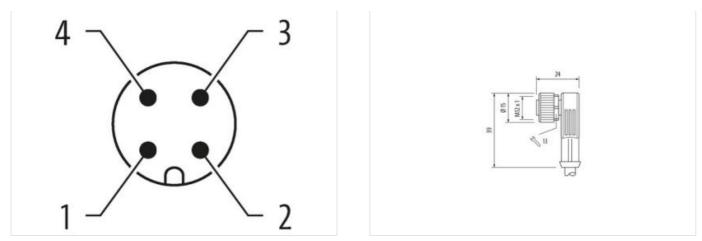






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Product may differ from Image



Cable length	5,5 m	
Side 1		
Tightening torque	0,6 Nm	
Mounting method	inserted, screwed	
amily 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		
Fightening torque	0,6 Nm	
Nounting method	inserted, screwed	
amily construction form	M12	
Thread	M12 x 1	
uitable for corrugated tube (internal Ø)	10 mm	
Material	PUR	
Vidth across flats	SW13	
egree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Commercial data		
CLASS-6.0	27279218	
CLASS-6.1	27279218	
CLASS-7.0	27279218	
CLASS-8.0	27279218	
CLASS-9.0	27060311	
CLASS-10.1	27060311	
CLASS-11.1	27060311	
CLASS-12.0	27060311	
TIM-5.0	EC001855	
ustoms tariff number	85444290	
GTIN	4065909086926	
Packaging unit	1	
Electrical data Supply		

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Operating voltage DC	24 V	
Operating voltage DC min.	18 V	
Operating voltage DC max.	30 V	
Operating voltage DC max. (UL-listed)	30 V	
Current operating per contact max.	4 A	
Diagnostics		
Status indication LED	green, white, yellow	
Installation Connection	.	
	M404	
Mounting set	M12 x 1	
Device protection Electrical		
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	0,8 kV	
Material group (IEC 60664-1)	1	
Mechanical data Material data		
Coating locking	safe-cover coated	
Coating of fitting	nickel plated	
Locking material	Zinc die-casting	
Material screw connection	Zinc die-casting	
Mechanical data Mounting data		
Mounting method	inserted, screwed, Shaking protection	
č		
Environmental characteristics Climatic		
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	846	
Cable Type	5	
Jacket Color		
Type of Certificate	orange cURus	
Approvals	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021)	
Amount stranding		
Stranding	4 wires twisted	
5	brown, black, blue, white	
wire arrangement Cable weigth	38,5 g/m	
Material jacket	PUR	
	54 ± 5 Shore D	
Shore hardness jacket		
-	lead-free, cadmium-free, CEC-free, halogen-free, silicone-free	
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4.8 mm	
Freedom from ingredients (jacket) Outer-diameter (jacket)	4,8 mm	
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	4,8 mm ± 5 %	
Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	4,8 mm ± 5 % PP	
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	4,8 mm ± 5 % PP 4	
Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	4,8 mm ± 5 % PP	

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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	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	
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	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)	5 m @ 25 °C horizontal	
Travel speed (C-track)	3,3 m/s @ 25 °C	
No. of torsion cycles	1 Mio.	
Torsion stress	± 360 °/m	
Torsion speed	35 cycles/min	

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