

M12 male 0° / M8 female 90° A-cod. LED

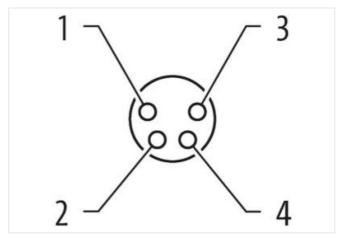
PUR 4x0.25 bk UL/CSA+drag ch. 10m

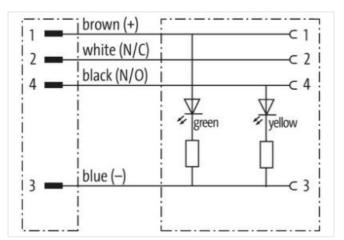
Male straight – female 90° M12 – M8, 4-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

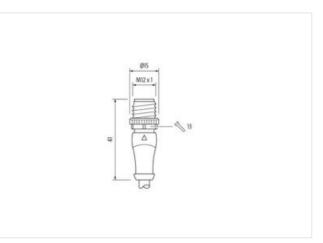
Link to Product

Illustration



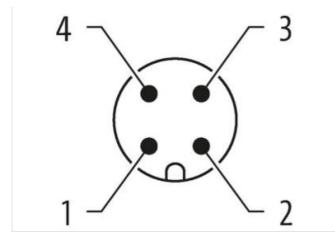


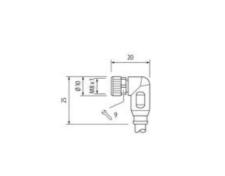




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Product may differ from Image



Side 1Tightening torque0.6 NmMounting methodinserted, screwedFamily construction formM12ThreadM12 x 1suitable for corrugated tube (internal 0)10 mmCodingAMaterialPURWidth across flatsSW13Degree of protection (EN IEC 60529)IP66K, IP67Side 2Inserted, screwedTightening torque0.4 NmMounting methodinserted, screwedFamily construction formM8ThreadM8 x 1suitable for corrugated tube (internal 0)6,5 mmCodingAMaterialPURWidth across flatsSW9Degree of protection (EN IEC 60529)IP66K, IP67CodingAMaterialPURWidth across flatsSW9Degree of protection (EN IEC 60529)IP66K, IP67Commercial dataSU279218ECLASS-6.027279218ECLASS-8.02700311	Cable length	10 m
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customs tariff number 85444290	customs tariff number	85444290
GTIN 4048879611862	GTIN	4048879611862
Packaging unit 1	Packaging unit	1

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Electrical data | Supply

Operating voltage DC max. (Ul-lated) 90 V Operating voltage DC max. (Ul-lated) 90 V Content operating per contact max. 4 A Diagnostics Status indication LED grown, yellow Device production Electrical Haman Contact max. Parameters Additional condition protection degrow inaertod, screwed Polution Darpor 3 Rated argony (Nago Contact max. 0.8 kV Matanial group (IEC 60664-1) 1 Machanical dation Meeting Nickeled Coating f difting nickeled glated Locking ratinal Zinc die-casting Material screw connection Zinc die casting Material sco	Electrical data Supply	
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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 Endangered by excessive bending forces. Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Endangered by excessive bending forces. Cable identification 631 Cable Identification 631 Cable Identificate CIRus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 30 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mn Tolerance outer diameter (sheath) ± 5 % Amount wires 4 Outer diameter (iscket) ± 5 % Material wive insulation PP	Operating temperature max.	80 °C
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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), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 631 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 °% Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm	Important installation notes	
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Amount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	Jacket Color	black
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Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	Traversing distance (C-track)	10 m @ 25 °C horizontal
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Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D	Outer-diameter (jacket)	4,5 mm
Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D	Amount wires	4
Shore hardness wire insulation70 ± 5 Shore D	Outer diameter insulation	1,25 mm
	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Shore hardness wire insulation	70 ± 5 Shore D
	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 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	3,6 A
Electrical resistance line constant wire	79 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 UL 1581 § 1100 FT2 IEC 60332-2-2
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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