

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

PUR 4x0.34 gy UL/CSA+robot+drag ch. 10m

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

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

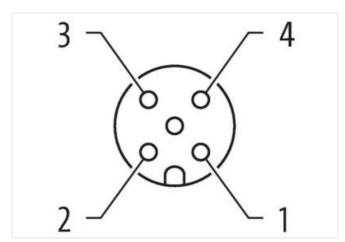
Plastic housings with good resistance against chemicals and oils.

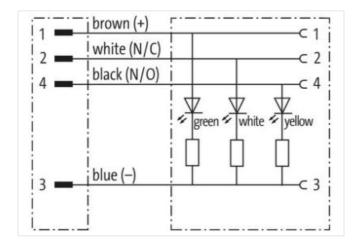
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

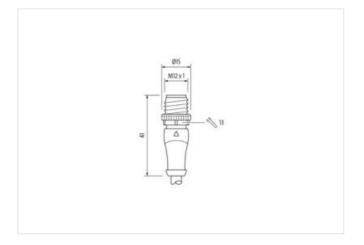
## **Link to Product**

## Illustration



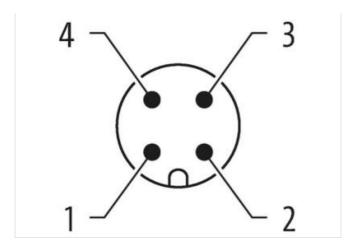


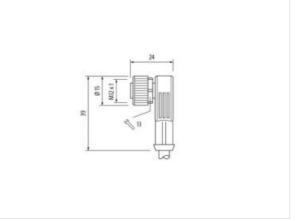






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Product may differ from Image











Family construction form M12  Thread M12: suitable for corrugated tube (internal Ø) 10 m  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65,  Side 2  Tightening torque 0,6 N	rted, screwed
Mounting method insert Family construction form M12 Thread M12: suitable for corrugated tube (internal Ø) 10 mi Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, Side 2 Tightening torque 0,6 N Mounting method insert Family construction form M12	rted, screwed
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Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65,  Side 2 Tightening torque 0,6 N Mounting method insert Family construction form M12	x 1
Width across flats  Degree of protection (EN IEC 60529)  Side 2  Tightening torque  Mounting method  Family construction form  SW13  SW13  SW13  SW13  SW13  SW13  IP65,  IP66,	nm
Degree of protection (EN IEC 60529)  Side 2  Tightening torque 0,6 N  Mounting method insert  Family construction form M12	
Side 2  Tightening torque 0,6 N  Mounting method insert  Family construction form M12	3
Tightening torque 0,6 N  Mounting method insert  Family construction form M12	, IP66K, IP67
Mounting method insert Family construction form M12	
Family construction form M12	Nm
	rted, screwed
Thread M12:	
	x 1
suitable for corrugated tube (internal Ø) 10 mi	nm
Material PUR	
Width across flats SW13	3
Degree of protection (EN IEC 60529) IP65,	, IP66K, IP67
Commercial data	
ECLASS-6.0 27279	79218
ECLASS-7.0 27279	79218
ECLASS-8.0 27279	79218
ECLASS-9.0 27060	0311
ECLASS-10.1 2706	0311
ECLASS-11.1 2706	0311
ECLASS-12.0 2706	0311
ETIM-5.0 EC00	01855
customs tariff number 85444	14290
GTIN 40488	8879370639
Packaging unit 1	1079370039
Electrical data   Supply	1079370039



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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
	green, write, yellow
Installation   Connection	
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)	I
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 Zinc die-casting
	Zino die oasting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	254
Cable Type	5
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Cable weigth	36,3 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP P
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
	<del></del>
· · ·	0.1 mm
Diameter of single wires  Conductor crosssection (wire)	0,1 mm 0,34 mm <sup>2</sup>

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: 2024-04-26



Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m