

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

PUR 4x0.34 ye UL/CSA+drag ch. 6m

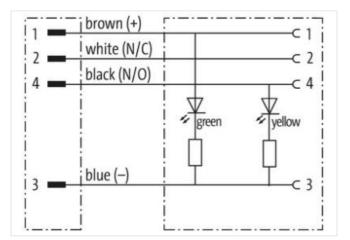
Male straight – female straight M12 – M12, 4-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further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

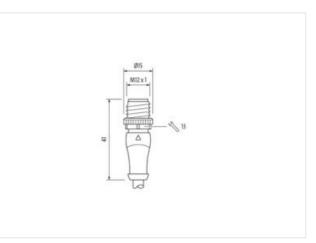
Link to Product

Illustration



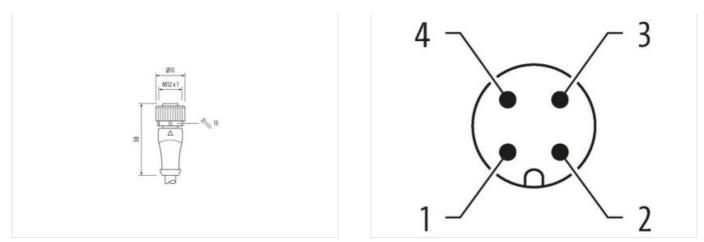






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Product may differ from Image



Cable length	6 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 \emptyset)	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	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	4048879171793
Packaging unit	1

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Electrical data | Supply

Operating voltage DC min. 18 Operating voltage DC max. 30 Operating voltage DC max. 30 Operating voltage DC max. 30 Current operating per contact max. 4 // Diagnostics 30 Status indication LED greet Installation Connection Mounting set Mounting set M1	4 V 3 V 0 V 0 V 0 V A reen, yellow 12 x 1
Operating voltage DC max. 30 Operating voltage DC max. (UL-listed) 30 Current operating per contact max. 4 / Diagnostics 9 Status indication LED gree Installation Connection 9 Mounting set M1 Device protection Electrical 9) V) V A reen, yellow
Operating voltage DC max. (UL-listed) 30 Current operating per contact max. 4 /4 Diagnostics 9 Status indication LED grading Installation Connection 9 Mounting set M1 Device protection Electrical 9	O V A reen, yellow
Current operating per contact max. 4 / Diagnostics 5 Status indication LED gree Installation Connection 6 Mounting set M1 Device protection Electrical 6	A reen, yellow
Diagnostics Status indication LED gree Installation Connection Mounting set M1 Device protection Electrical	reen, yellow
Status indication LED gree Installation Connection Mounting set Mounting set Mounting set Device protection Electrical Mounting set	
Installation Connection Mounting set Device protection Electrical	
Mounting set M1 Device protection Electrical	-
Device protection Electrical	12 × 1
Device protection Electrical	
Additional condition protection degree ins	
	serted, screwed
Pollution Degree 3	
Rated surge voltage 0,8	8 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
	iakalad
	ickeled
	ckel plated
	nc die-casting
	nc die-casting
Mechanical data Mounting data	
Mounting method ins	serted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min25	5 ℃
Operating temperature max. 85	5 °C
Additional condition temperature range de	epending on cable quality
Important installation notes	
Note on strain relief Pro	rotect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bonding radius At	ttention: Observe the permissible bending radii when laying cables, as the IP protection class can be ndangered by excessive bending forces.
Conformity	
Product standard DII	IN EN 61076-2-101 (M12)
Installation Cable	
·	awa black blue white
-	own, black, blue, white
	34
Cable Type 3	sllow
-	ellow Nove
	JRus
Amount stranding 1	uiroo tuistad
	wires twisted own, black, blue, white
	5,3 g/m UR
) ± 5 Shore A
	ad-free, cadmium-free, CFC-free, halogen-free, silicone-free
	5 mm
	5%
Material wire insulation PF	
Amount wires 4	
	25 mm
Outer diameter tolerance core insulation ± 5	5 %

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Shore hardness wire insulation	70 ± 5 Shore D
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	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
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)	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

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