

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

PUR 4x0.34 gy UL/CSA+drag ch. 25m

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.

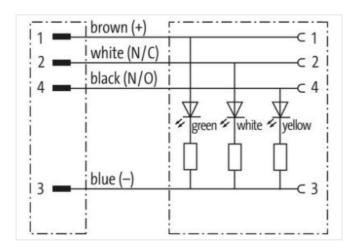
Further cable lengths on request.

Link to Product

Illustration





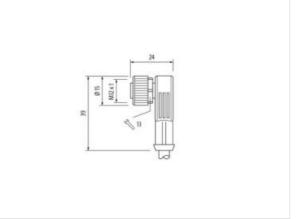






stay connected





Product may differ from Image











Mounting method ins Family construction form M1 Thread M1 suitable for corrugated tube (internal Ø) 10	6 Nm serted, screwed 12 12 x 1
Mounting method ins Family construction form M1 Thread M1 suitable for corrugated tube (internal ∅) 10	serted, screwed 12 12 x 1
Family construction form M1 Thread M1 suitable for corrugated tube (internal Ø) 10	12 12 x 1
Thread M1 suitable for corrugated tube (internal Ø) 10	12 x 1
suitable for corrugated tube (internal Ø) 10	
) mm
Material PU) IIIIII
	UR
Width across flats SV	W13
Degree of protection (EN IEC 60529)	965, IP66K, IP67
Side 2	
Tightening torque 0,6	6 Nm
Mounting method ins	serted, screwed
Family construction form M1	12
Thread M1	12 x 1
suitable for corrugated tube (internal Ø) 10) mm
Material PU	UR
Width across flats SV	W13
Degree of protection (EN IEC 60529)	65, IP66K, IP67
Commercial data	
ECLASS-6.0 27	7279218
ECLASS-7.0 27	7279218
ECLASS-8.0 273	7279218
ECLASS-9.0 27	7060311
ECLASS-10.1 27	7060311
ECLASS-11.1 27	7060311
ECLASS-12.0 27	7060311
ETIM-5.0 EC	C001855
customs tariff number 85	5444290
GTIN 404	048879382113
Packaging unit 1	
Electrical data Supply	



stay connected

Operating voltage DC	24 V
	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	
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)	
Mechanical data Material data	
Coating locking	Nickeled
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
Environmental characteristics Climatic	inserted, sciewed, channy protection
·	05.00
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	234
Cable Type	3
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	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Chara hardnessive !nev.let!	
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Ingredient freeness wire insulation Amount strands (wire)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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: 2024-04-20



Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 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	57 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	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 torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m