

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

PUR 4x0.34 gy UL/CSA 0.3m

# ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male straight – female 90° M12 – M12, 4-pole

3× LED (PNP), (NPN) on request

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

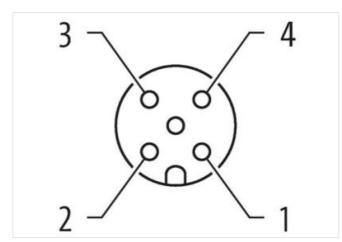
Plastic housings with good resistance against chemicals and oils.

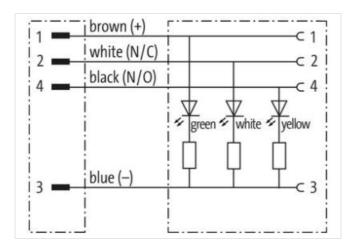
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

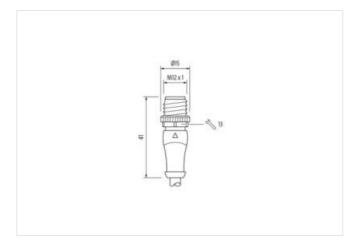
## **Link to Product**

#### Illustration



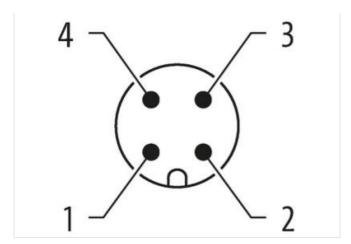


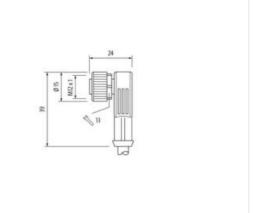






# stay connected





Product may differ from Image











Cable length	0,3 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 Ø)	10 mm
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
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4048879170024
Packaging unit	1
Flectrical data   Supply	

Electrical data | Supply

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: 2024-04-25



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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	
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	Nickeled
Coating locking	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, snaking protection
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)
Cable	
Cable identification	224
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	42,68 g
Material wire	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	4× 0.34 mm²
AWG	similar to AWG 22
	PVC
	CFC-, cadmium-, silicone- and lead-free
Material wire isolation  Material property wire insulation  Shore hardness wire isolation	
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation	CFC-, cadmium-, silicone- and lead-free 43 ±5 D 1.25 mm ±5%
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires	CFC-, cadmium-, silicone- and lead-free 43 ±5 D
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination	CFC-, cadmium-, silicone- and lead-free 43 ±5 D 1.25 mm ±5%
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield	CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  br, bk, bl, wh  4 wires twisted  no
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield	CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  br, bk, bl, wh  4 wires twisted  no  PUR/PVC
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield  Material jacket  Material property (jacket)	CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  br, bk, bl, wh  4 wires twisted  no  PUR/PVC  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield  Material jacket  Material property (jacket)  Shore hardness jacket	CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  br, bk, bl, wh  4 wires twisted  no  PUR/PVC  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant  80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield  Material jacket  Material property (jacket)	CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  br, bk, bl, wh  4 wires twisted  no  PUR/PVC  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant

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chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s²