

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

PUR 3x0.34 bk UL/CSA 30m

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

Male straight – female 90°

M12 - M12, 3-pole

2× LED (PNP), (NPN) on request

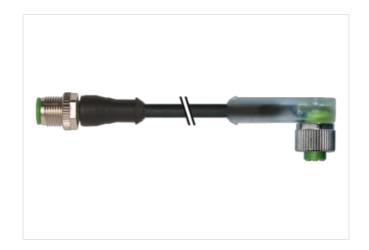
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

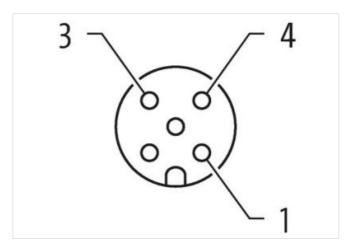
Plastic housings with good resistance against chemicals and oils.

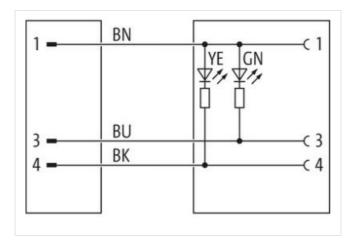
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

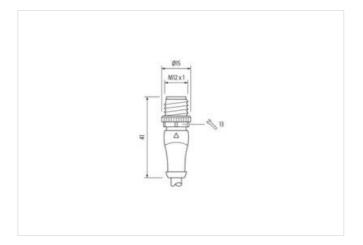
### **Link to Product**

#### Illustration





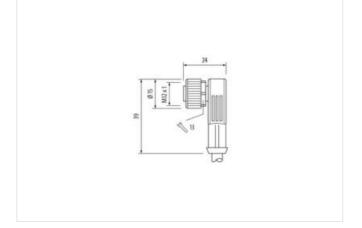






## stay connected





Product may differ from Image











Cable length	30 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
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	4048879787161
Packaging unit	1
Electrical data   Supply	



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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, 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	
·	Niekeled
Coating locking  Coating of fitting	Nickeled
Locking material	nickel plated  Zinc die-casting
Material screw connection	Zinc die-casting  Zinc die-casting
	Zino die oddung
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)
Cable	
Cable identification	623
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 g
Material wire	
	Cu wire, bare
Resistor (core)	Cu wire, bare max. 57 Ω/km (20 °C)
Single wire Ø (core)	max. 57 Ω/km (20 °C) 0.1 mm
Single wire Ø (core) Construction (core)	max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6)
Single wire Ø (core)  Construction (core)  Diameter (core)	max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG	max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²  similar to AWG 22
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation	max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 3× 0.34 mm² similar to AWG 22 PVC
Single wire Ø (core) Construction (core) Diameter (core)  AWG Material wire isolation Material property wire insulation	max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation	max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D
Single wire Ø (core) Construction (core) Diameter (core)  AWG Material wire isolation Material property wire insulation Shore hardness wire isolation Wire-Ø incl. isolation	max. 57 Ω/km (20 °C) 0.1 mm  42× 0.1 mm (multi-strand wire class 6) 3× 0.34 mm² similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires	max. 57 \( \Omega \text{/km} \) (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  black similar to RAL 9005
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination	max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  black similar to RAL 9005  3 wires twisted
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield	max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  black similar to RAL 9005  3 wires twisted  no
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination	max. 57 \( \Omega \)/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  3× 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  black similar to RAL 9005  3 wires twisted  no  PUR/PVC
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield  Material jacket  Material property (jacket)	max. 57 \( \Omega \text{Vkm} \) (20 °C)  0.1 mm  42 × 0.1 mm (multi-strand wire class 6)  3 × 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  black similar to RAL 9005  3 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
Single wire Ø (core) Construction (core) Diameter (core)  AWG Material wire isolation 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	max. 57 \( \Omega \text{Vkm} \) (20 °C)  0.1 mm  42 × 0.1 mm (multi-strand wire class 6)  3 × 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  black similar to RAL 9005  3 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)
Single wire Ø (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation  Wire-Ø incl. isolation  Color/numbering of wires  Stranding combination  Shield  Material jacket  Material property (jacket)	max. 57 \( \Omega \text{Vkm} \) (20 °C)  0.1 mm  42 × 0.1 mm (multi-strand wire class 6)  3 × 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D  1.25 mm ±5%  black similar to RAL 9005  3 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

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



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