

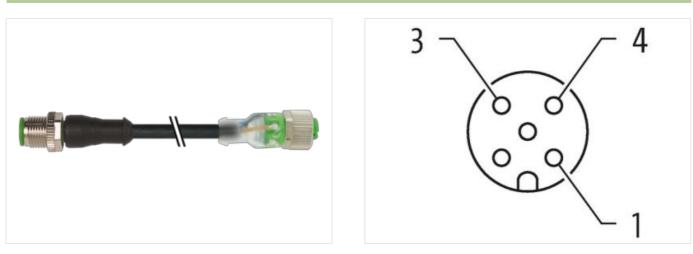
M12 male 0° / M12 female 0° A-cod. LED

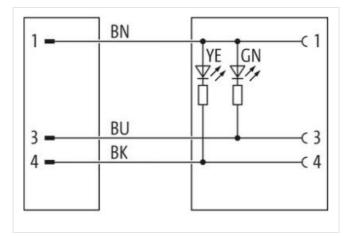
PUR 3x0.34 bk UL/CSA 15m

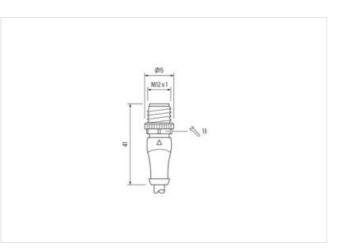
Male straight – female straight M12 – M12, 3-pole LED (yellow/green) Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration

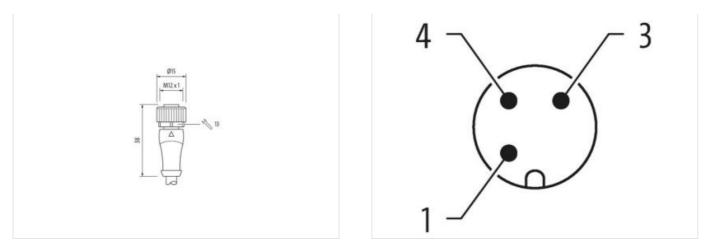






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-01





Product may differ from Image



Cable length	15 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $Ø$)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $Ø$)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
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

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Material wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresblack similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623
Resistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresblack similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC)
Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresblack similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable)	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform
Construction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresblack similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m]	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g
Diameter (core) $3 \times 0.34 \text{ mm}^2$ AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation $43 \pm 5 \text{ D}$ Wire-Ø incl. isolation1.25 mm $\pm 5\%$ Color/numbering of wiresblack similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare
AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%Color/numbering of wiresblack similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core)	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare max. 57 Ω/km (20 °C)
Material wire isolation PVC Material property wire insulation CFC-, cadmium-, silicone- and lead-free Shore hardness wire isolation 43 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires black similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core)	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm
Material property wire insulation CFC-, cadmium-, silicone- and lead-free Shore hardness wire isolation 43 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires black similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core) Construction (core)	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6)
Shore hardness wire isolation 43 ±5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires black similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core) Construction (core) Diameter (core)	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare 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
Wire-Ø incl. isolation 1.25 mm ±5% Color/numbering of wires black similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core) Construction (core) Diameter (core) AWG	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare 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
Color/numbering of wires black similar to RAL 9005	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core) Construction (core) Diameter (core) AWG Material wire isolation	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare 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
	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core) Construction (core) Diameter (core) AWG Material wire isolation Material property wire insulation	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare 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
Stranding combination 3 wires twisted	Additional condition temperature range Conformity Product standard Cable Cable identification Cable Jype Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core) Construction (core) Diameter (core) AWG Material property wire insulation Shore hardness wire isolation Wire-Ø incl. isolation	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare 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
	Additional condition temperature range Conformity Product standard Cable Cable identification Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) 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	85 °C depending on cable quality DIN EN 61076-2-101 (M12) 623 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 35,97 g Cu wire, bare 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

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: 2024-06-01



Shield	no
Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.3 mm ±5%
Color jacket	black
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/s ²

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