

## M12 male 0° / M12 female 0° A-cod.

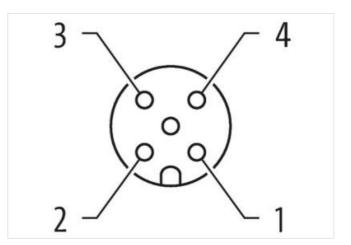
PUR 4x0.34 bk UL/CSA 25m

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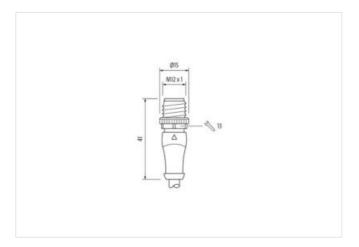
Male straight – female straight M12 – M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further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

## Link to Product



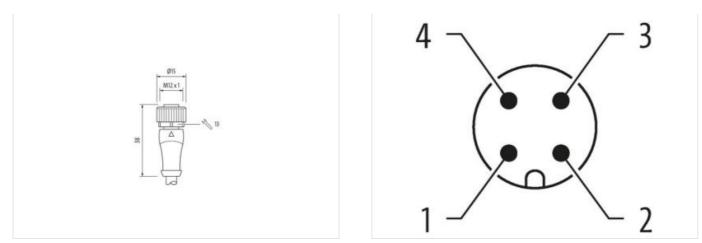






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Product may differ from Image



Cable length	25 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
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-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	4048879183512

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Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2.5 kV
Material group (IEC 60664-1)	
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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	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on strain relief Note on bending radius	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
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Note on bending radius Conformity	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on bending radius Conformity Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on bending radius Conformity Product standard Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12)
Note on bending radius Conformity Product standard Cable Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624
Note on bending radius Conformity Product standard Cable Cable identification Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)
Note on bending radius Conformity Product standard Cable Cable identification Cable Type Approval (cable)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform
Note on bending radius Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m]	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g
Note on bending radius Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare
Note on bending radius Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)
Note on bending radius         Conformity         Product standard         Cable         Cable identification         Cable Type         Approval (cable)         Cable weight [g/m]         Material wire         Resistor (core)         Single wire Ø (core)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm
Note on bending radius         Conformity         Product standard         Cable         Cable identification         Cable Type         Approval (cable)         Cable weight [g/m]         Material wire         Resistor (core)         Single wire Ø (core)         Construction (core)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)
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Note on bending radius         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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)         4× 0.34 mm²         similar to AWG 22
Note on bending radius         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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)         4× 0.34 mm²         similar to AWG 22         PVC         CFC-, cadmium-, silicone- and lead-free
Note on bending radius         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 property wire insulation         Shore hardness wire isolation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)         4× 0.34 mm <sup>2</sup> similar to AWG 22         PVC         CFC-, cadmium-, silicone- and lead-free         43 ± 5 D
Note on bending radius         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 property wire insulation         Shore hardness wire isolation         Wire-Ø incl. isolation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)         4× 0.34 mm²         similar to AWG 22         PVC         CFC-, cadmium-, silicone- and lead-free         43 ±5 D         1.25 mm ±5%
Note on bending radius         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         Shore hardness wire isolation         Wire-Ø incl. isolation         Color/numbering of wires	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)         4× 0.34 mm²         similar to AWG 22         PVC         CFC-, cadmium-, silicone- and lead-free         43 ±5 D         1.25 mm ±5%         br, bk, bl, wh
Note on bending radius         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         Shore hardness wire isolation         Wire-Ø incl. isolation         Color/numbering of wires         Stranding combination	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)         4× 0.34 mm²         similar to AWG 22         PVC         CFC-, cadmium-, silicone- and lead-free         43 ±5 D         1.25 mm ±5%         br, bk, bl, wh         4 wires twisted
Note on bending radius 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 Shore hardness wire isolation Wire-Ø incl. isolation Color/numbering of wires	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12)         624         2 (PUR/PVC)         UL (AWM-Style 20549/1731), CSA; CE conform         42,68 g         Cu wire, bare         max. 57 Ω/km (20 °C)         0.1 mm         42× 0.1 mm (multi-strand wire class 6)         4× 0.34 mm²         similar to AWG 22         PVC         CFC-, cadmium-, silicone- and lead-free         43 ±5 D         1.25 mm ±5%         br, bk, bl, wh

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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)	4.6 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 <sup>2</sup>

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