

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

PUR 5x0.34 bk UL/CSA 3.5m

Male straight - female 90°

**⚠ NOTICE ⚠** 

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

M12 - M12, 5-pole

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

Plastic housings with good resistance against chemicals and oils.

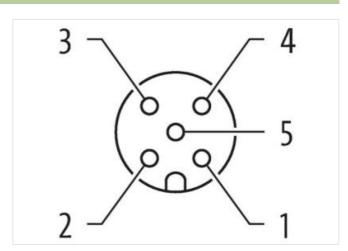
The resistance to aggressive media should be individually tested for your application. Further details on request.

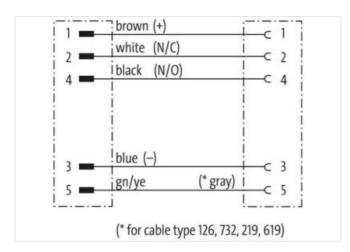
Further cable lengths on request.

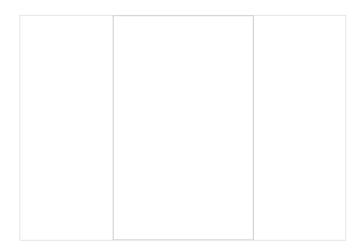
## **Link to Product**

## Illustration



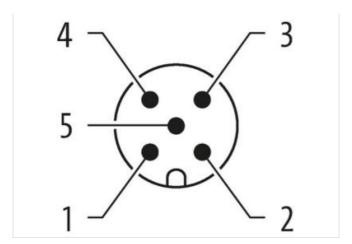


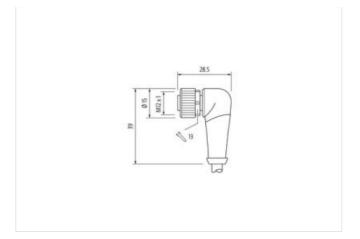






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Product may differ from Image



Cable length





3,5 m







odbio longin	0,0 111
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
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	4048879722766

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: 2024-05-20



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Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 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	1,5 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	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Additional condition temperature range  Conformity	depending on cable quality
	DIN EN 61076-2-101 (M12)
Conformity	
Conformity Product standard Cable	DIN EN 61076-2-101 (M12)
Conformity Product standard Cable Cable identification	DIN EN 61076-2-101 (M12) 625
Conformity Product standard Cable Cable identification Cable Type	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC)
Conformity Product standard Cable Cable identification Cable Type Approval (cable)	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform
Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m]	DIN EN 61076-2-101 (M12)  625  2 (PUR/PVC)  UL (AWM-Style 20549/1731), CSA; CE conform  54,78 g
Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare
Conformity Product standard  Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core)	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C)
Conformity Product standard Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Single wire Ø (core)	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm
Conformity Product standard  Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Construction (core)	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm  42× 0.1 mm (multi-strand wire class 6)
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)	DIN EN 61076-2-101 (M12)  625  2 (PUR/PVC)  UL (AWM-Style 20549/1731), CSA; CE conform  54,78 g  Cu wire, bare  max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  5× 0.34 mm²
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)	DIN EN 61076-2-101 (M12)  625  2 (PUR/PVC)  UL (AWM-Style 20549/1731), CSA; CE conform  54,78 g  Cu wire, bare  max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  5× 0.34 mm²  similar to AWG 22
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	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 5× 0.34 mm² similar to AWG 22 PVC
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)	DIN EN 61076-2-101 (M12)  625  2 (PUR/PVC)  UL (AWM-Style 20549/1731), CSA; CE conform  54,78 g  Cu wire, bare  max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  5× 0.34 mm²  similar to AWG 22
Conformity  Product standard  Cable  Cable identification  Cable Type  Approval (cable)  Cable weight [g/m]  Material wire  Resistor (core)  Construction (core)  Diameter (core)  AWG  Material wire isolation  Material property wire insulation  Shore hardness wire isolation	DIN EN 61076-2-101 (M12)  625  2 (PUR/PVC)  UL (AWM-Style 20549/1731), CSA; CE conform  54,78 g  Cu wire, bare  max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  5× 0.34 mm²  similar to AWG 22  PVC  CFC-, cadmium-, silicone- and lead-free  43 ±5 D
Conformity Product standard  Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Construction (core) Diameter (core) AWG Material wire isolation Material property wire insulation Shore hardness wire isolation  Wire-Ø incl. isolation	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 5× 0.34 mm² similar to AWG 22 PVC CFC-, cadmium-, silicone- and lead-free 43 ±5 D 1.25 mm ±5%
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	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 5× 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, gnye longitudinally striped
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	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 5× 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, gnye longitudinally striped 5 wires twisted around central filler
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  Color/numbering of wires  Stranding combination  Shield	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 5× 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, gnye longitudinally striped 5 wires twisted around central filler no
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	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 5× 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, gnye longitudinally striped 5 wires twisted around central filler
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  Shield  Material jacket	DIN EN 61076-2-101 (M12)  625  2 (PUR/PVC)  UL (AWM-Style 20549/1731), CSA; CE conform  54,78 g  Cu wire, bare  max. 57 Ω/km (20 °C)  0.1 mm  42× 0.1 mm (multi-strand wire class 6)  5× 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, gnye longitudinally striped  5 wires twisted around central filler  no  PUR/PVC  CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-
Conformity Product standard  Cable Cable identification Cable Type Approval (cable) Cable weight [g/m] Material wire Resistor (core) Construction (core) Construction (core) Cameter (core) AWG Material wire isolation Material property wire insulation Color/numbering of wires Stranding combination Shield Material property (jacket)	DIN EN 61076-2-101 (M12)  625 2 (PUR/PVC) UL (AWM-Style 20549/1731), CSA; CE conform 54,78 g Cu wire, bare max. 57 Ω/km (20 °C) 0.1 mm 42× 0.1 mm (multi-strand wire class 6) 5× 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, gnye longitudinally striped 5 wires twisted around central filler no PUR/PVC CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant



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