

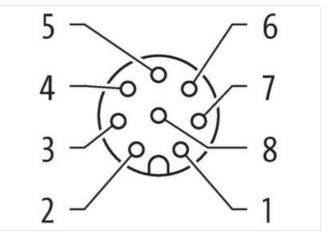
M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 bk UL/CSA+drag ch. 5m

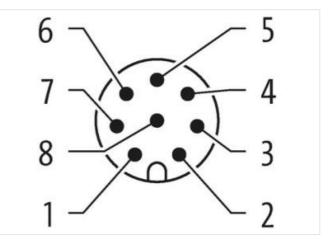
Male straight – female straight M12 – M12, 8-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product



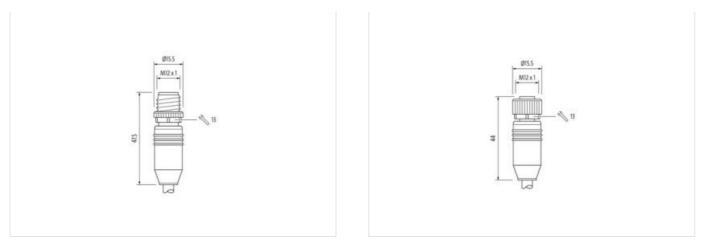


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Product may differ from Image



Coating contact Family construction form Material contact No. of poles Side 2 Mounting method	inserted, screwed gold plated M12 Copper alloy 8 inserted, screwed gold plated
Coating contact Family construction form Material contact No. of poles Side 2 Mounting method	gold plated M12 Copper alloy 8 inserted, screwed
Family construction form Material contact No. of poles Side 2 Mounting method	M12 Copper alloy 8 inserted, screwed
Material contact No. of poles Side 2 Mounting method	Copper alloy 8 inserted, screwed
No. of poles Side 2 Mounting method	8 inserted, screwed
Side 2 Mounting method	inserted, screwed
Mounting method	
Coating contact	gold plated
Family construction form	M12
Material contact	Copper alloy
No. of poles	8
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
	27060311
	EC001855
	85444290
GTIN	4048879561297
Packaging unit	1
Electrical data Supply	
	30 V
Operating voltage DC max.	30 V
Device protection Electrical	
Pollution Degree	3

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Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
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 bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable identification	722
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	58,3 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,8 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1.2 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
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AC withstand voltage (wire - wire)	2.5 kV @ 60 s
Power frequency withstand voltage (wire -	2,5 kV @ 60 s 2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static)	2,5 kV @ 60 s -40 °C
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed)	2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance	2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance	2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance	2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing
AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance Chemical resistance Gasoline resistance Oil resistance	2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090

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Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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