

M12 male 0° A-cod. with cable

PVC 5x0.34 ye UL/CSA 1m

Art.No.: 7000-12041-0150100

Weight: 0.06

Country of origin: US

Model designation: MSAL0-U015 1.0

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:

Male straight

A-coded

M12, 5-pole

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

Further cable lengths on request.

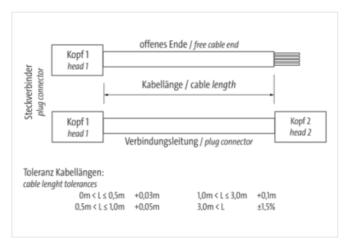
The resistance to aggressive media should be individually tested for your application. Further details on request.

Plastic housings with good resistance against chemicals and oils.

Link to Product

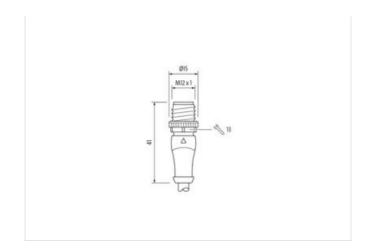
Illustration

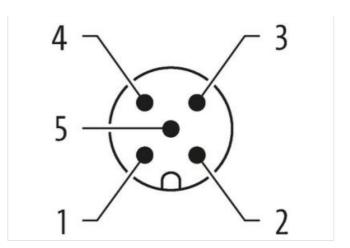






stay connected







Product may differ from Image













Cable length	1 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
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end



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Important installation notes Note on strain relief 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. Conformity		
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Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity	•	Drotoet the connectors by suitable measures from machanical leads a w but he uses of a blade
endangered by excessive bending forces. Conformity		
	Note on bending radius	
Product standard DIN EN 61076-2-101 (M12)	Conformity	
• •	Product standard	DIN EN 61076-2-101 (M12)

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: 2025-08-08



stay connected

Installation Cable	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	015
Cable Type	1
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	48,4 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,2 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
In our disput for an analysis in a side than	Lead from a declaration from OFO from alliance from
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Amount strands (wire)	19
Amount strands (wire) Diameter of single wires	19 0,15 mm
Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	19 0,15 mm 0,34 mm ²
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	19 0,15 mm 0,34 mm² Stranded copper wire, bare
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max.	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard)	0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire -	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket)	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static)	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed)	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Flame resistance	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C 80 °C UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire 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) Flame resistance chemical resistance	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C 80 °C UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Good, application-related testing
Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire 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) Flame resistance chemical resistance Gasoline resistance	19 0,15 mm 0,34 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Good, application-related testing Good, application-related testing