M8 male 0° / M12 female 90° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 10m

Art.No.: 7000-88261-6301000
Weight: 0.252
Country of origin: US
Model designation: MSDL0-H-R630_10.0

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.

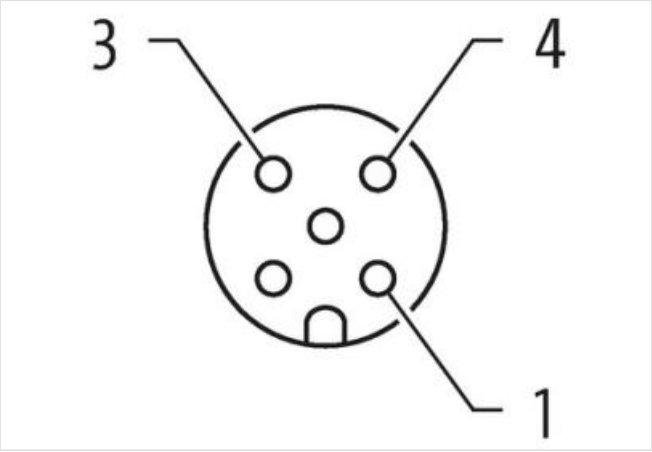
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

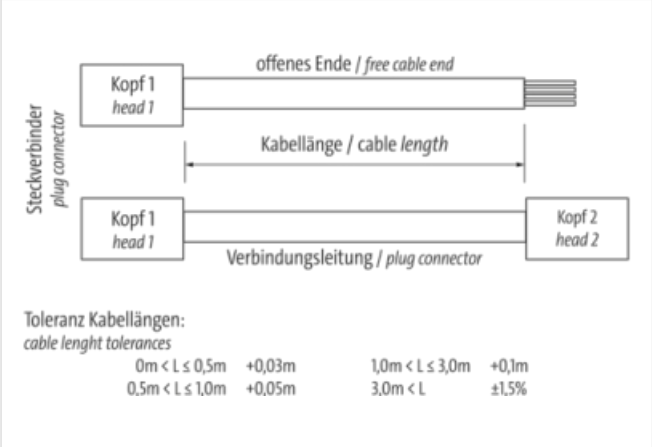
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

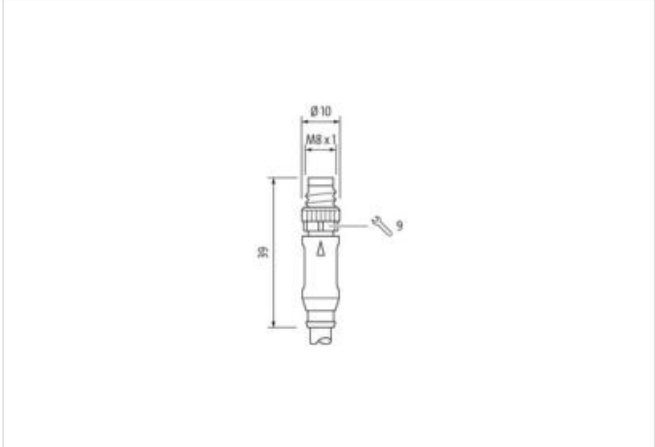
Product details:
Male straight – female 90°
M8 – M12, 3-pole
M12, A-coded
Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

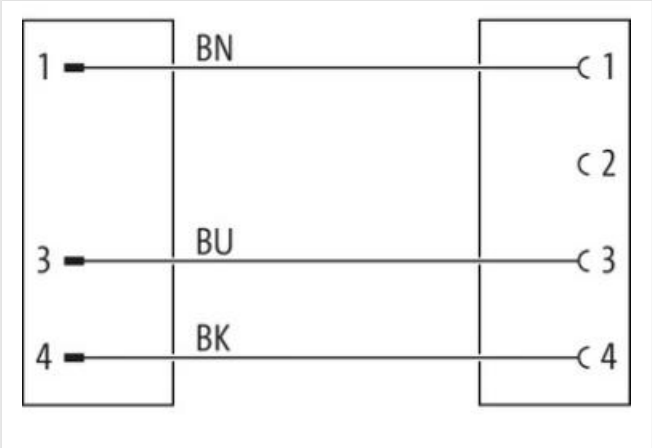
Link to Product

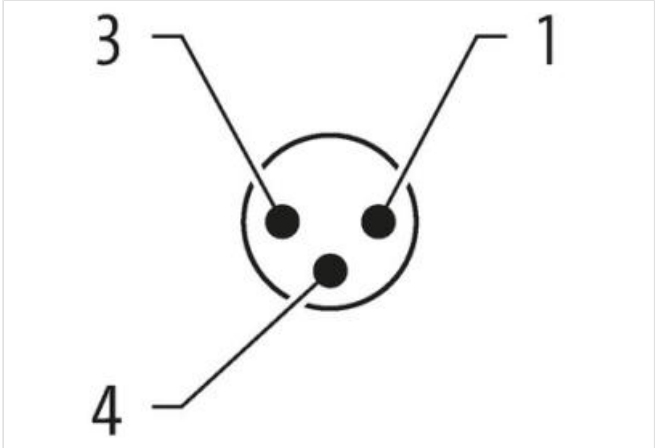
Illustration

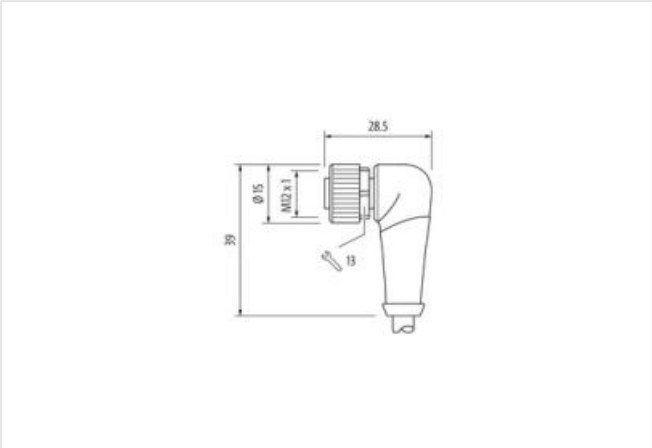












Product may differ from Image

Cable length	**10 m**
Side 1	
Tightening torque	**0,4 Nm**

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stay connected

Mounting method	**inserted, screwed**
Coating contact	**gold plated**
Family construction form	**M8**
Thread	**M8 x 1**
suitable for corrugated tube (internal Ø)	**6,5 mm**
Coding	**A**
Material contact	**Copper alloy**
No. of poles	**3**
Width across flats	**SW9**
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**
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**
ECLASS-11.1	**27060311**
ECLASS-12.0	**27060311**
ETIM-5.0	**EC001855**
customs tariff number	**85444290**
customs tariff number	**85444290**
EAN	**4048879122474**
EAN	**4048879122474**
Packaging unit	**1**
Packaging unit	**1**
Electrical data | Supply	
Operating voltage AC max.	**50 V**
Operating voltage DC max.	**60 V**
Current operating per contact max.	**4 A**
Diagnostics	
Status indication LED	**no**
Device protection | Electrical	
Degree of protection (EN IEC 60529)	**IP65, IP67, IP68, IP66K**
Additional condition protection degree	**inserted, screwed**
Pollution Degree	**3**
Rated surge voltage	**1,5 kV**
Material group (IEC 60664-1)	**I**
Mechanical data | Material data	
Material housing	**PUR**
Coating locking	**Nickeled**
Material gasket	**FKM**

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stay connected

Locking material	**Zinc die-casting**
Mechanical data | Mounting data	
Mounting method	**inserted, screwed, Shaking protection**
Environmental characteristics | Climatic	
Operating temperature min.	**-30 °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.**
Conformity	
Product standard	**DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)**
Installation | Cable	
wire arrangement	**brown, black, blue**
Cable identification	**630**
Cable Type	**3**
Jacket Color	**black**
Type of Certificate	**cURus**
Amount stranding	**1**
Stranding	**3 wires twisted**
wire arrangement	**brown, black, blue**
Cable weigth	**26,4 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)	**4,1 mm**
Tolerance outer diameter (sheath)	**± 5 %**
Material wire insulation	**PP**
Amount wires	**3**
Outer diameter insulation	**1,25 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 mm²**
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	**4,5 A**
Electrical resistance line constant wire	**79 Ω/km @ 20 °C**
AC withstand voltage (wire - wire)	**2,5 kV @ 60 s**
Power frequency withstand voltage (wire - jacket)	**2,5 kV @ 60 s**
Min. operating temperature (static)	**-40 °C**
Max. operating temperature (fixed)	**80 °C / 90 °C @ 10000 h Operation**
Operating temperature min. (dynamic)	**-25 °C**
Operating temperature max. (dynamic)	**80 °C / 90 °C @ 10000 h Operation**
UV resistance	**DIN EN ISO 4892-2 A**
Flame resistance	**UL 1581 § 1090 | UL 1581 § 1100 FT2 | IEC 60332-2-2**
chemical resistance	**Good, application-related testing**

Gasoline resistance	**Good, application-related testing**
Oil resistance	**Good, application-related testing | DIN EN 60811-404**
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**