

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

PUR 4x0.34 ye UL/CSA+drag ch. 10m

Art.No.: 7000-40121-0341000

Weight: 0.414 Country of origin: US

Model designation: MSDL0-A-T034\_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°

M12 - M12, 4-pole

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

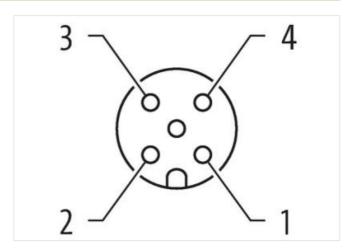
Plastic housings with good resistance against chemicals and oils.

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

## **Link to Product**

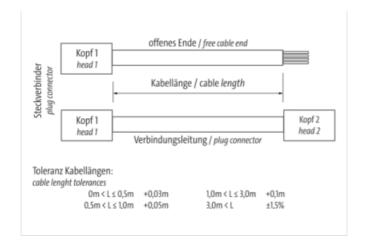
## Illustration

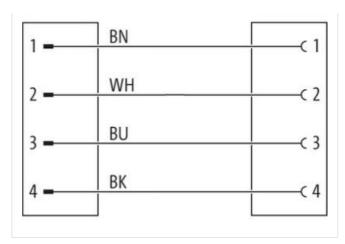


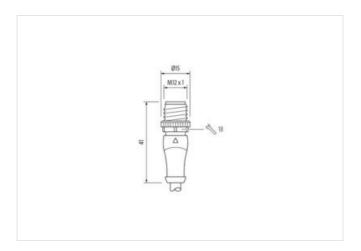


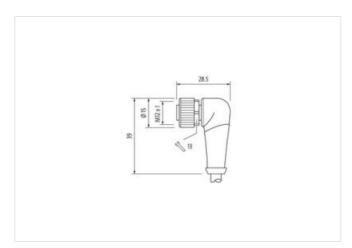


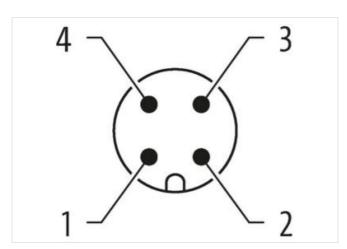
stay connected











Product may differ from Image













Cable length

10 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 Material **PUR** Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 0,6 Nm Tightening torque Mounting method inserted, screwed M12 Family construction form Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm 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 customs tariff number 85444290 EAN 4048879178471 EAN 4048879178471 Packaging unit 1 Packaging unit 1 Electrical data | Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 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 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.

-30 °C



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Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> 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)
Installation   Cable	· ,
vire arrangement	brown, black, blue, white
Cable identification	034
Cable Type	3
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
vire arrangement	brown, black, blue, white
Cable weigth	36,3 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4.5 mm
olerance outer diameter (sheath)	± 5 %
laterial wire insulation	PP
mount wires	4
Outer diameter insulation	1.25 mm
Outer diameter insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0.34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Iominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2,5 kV @ 60 s
lower frequency withstand voltage (wire -	2,5 kV @ 60 s
fin. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
perating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
lame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
nemical resistance	Good, application-related testing
asoline resistance	Good, application-related testing
Dil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
lo. of bending cycles (C-track)	10 Mio. @ 25 °C
raversing distance (C-track)	10 m @ 25 °C   horizontal
ravel speed (C-track)	3 m/s @ 25 °C



No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	