

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

PVC 4x0.34 ye UL/CSA 1m

Art.No.: 7000-40121-0140100

Weight: 0.065 Country of origin: US

Model designation: MSDL0-A-T014 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 - female 90°

M12 - M12, 4-pole

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

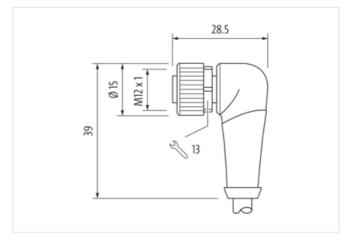
Plastic housings with good resistance against chemicals and oils.

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

## **Link to Product**

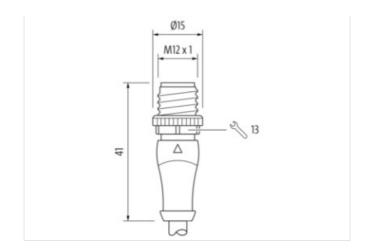
# Illustration



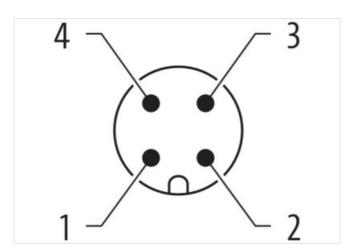


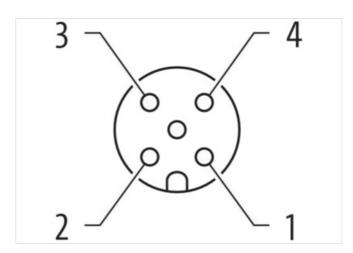


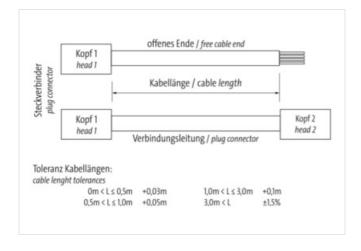
stay connected

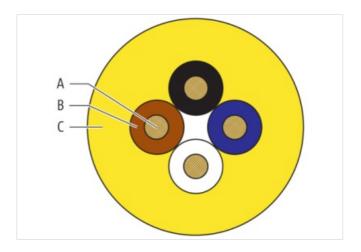






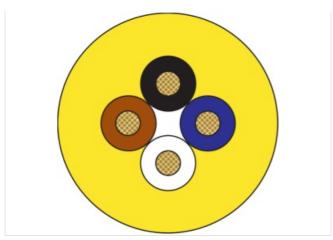








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Product may differ from Image















Side 1           Family construction form         M12           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         1P67, IP66K, IP65           Side 2           Family construction form         M12           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-6.1         27279218	Header	
Side 1         Family construction form         M12           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP66K, IP65           Side 2         Family construction form           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial date           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-7.1         27279218           ECLASS-7.2         27279218           ECLASS-8.0         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27279218	Material short text	MSDL0-A-T014_1.0
Family construction form         M12           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Side 2         Family construction form         M12           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data         PUR           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-7.1         27279218           ECLASS-7.2         27279218           ECLASS-8.0         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27279218 <td>Cable length</td> <td>1.0 m</td>	Cable length	1.0 m
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Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Side 2           Family construction form         M12           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.1         27279218           ECLASS-7.1         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27279218	Family construction form	M12
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Side 2           Family construction form         M12           Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.1         27279218           ECLASS-8.0         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27279218	Material	PUR
Family construction form M12  Mounting method inserted, screwed  Thread M12 x 1  Tightening torque 0.6 Nm  Width across flats SW13  suitable for corrugated tube (internal Ø) 10 mm  Material PUR  Degree of protection (EN IEC 60529) IP67, IP66K, IP65  Commercial data  URL Webshop https://shop.murrelektronik.com/7000-40121-0140100  GTIN 4048879178792  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-7.0 27279218  ECLASS-7.1 27279218  ECLASS-8.0 27279218  ECLASS-8.0 27279218  ECLASS-8.0 27279218  ECLASS-8.1 27279218  ECLASS-8.1 27279218  ECLASS-8.1 27279218  ECLASS-8.1 27279218  ECLASS-9.0 27279218	Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Mounting method         inserted, screwed           Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         272779218           ECLASS-6.1         272779218           ECLASS-7.0         272779218           ECLASS-7.1         272779218           ECLASS-8.0         272779218           ECLASS-8.1         27279218           ECLASS-9.0         27060311	Side 2	
Thread         M12 x 1           Tightening torque         0.6 Nm           Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.1         27279218           ECLASS-8.0         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27060311	Family construction form	M12
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Width across flats         SW13           suitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.1         27279218           ECLASS-8.0         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27060311	Thread	M12 x 1
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Material         PUR           Degree of protection (EN IEC 60529)         IP67, IP66K, IP65           Commercial data           URL Webshop         https://shop.murrelektronik.com/7000-40121-0140100           GTIN         4048879178792           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.1         27279218           ECLASS-8.0         27279218           ECLASS-8.1         27279218           ECLASS-9.0         27279218	Width across flats	SW13
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	ECLASS-9.1	27060311



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ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879178792
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	
	M12 x 1
Mounting set	MIZXI
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	I and the second
Mechanical data   Material data	
Material screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	Nickeled
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	the contraction of
important installation notes	
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.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	014
Cable Type	1
Amount stranding	1
Stranding	4 wires stranded
Wire arrangement	brown, black, blue, white
Cable weigth	40.7 g/m
Material wire insulation	PVC
Amount wires	4
Outer diameter insulation	1.25 mm

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: 2025-11-03



Outer diameter tolerance core insulation	± 0.05 mm
Shore hardness wire insulation	45 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Amount strands (wire)	19
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	0.34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Shore hardness jacket	85 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Material property (jacket)	good machinability
Conductor resistance (wire)	57 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.8 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1080, CSA FT1, IEC 60332-1-2
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter