

M12 female 90° A-cod. with cable

PUR 12x0.25 gy UL/CSA+drag ch. 17m

Art.No.: 7000-19061-3011700

Weight: 1.086 Country of origin: CZ

Model designation: MSDL0-12E301_17.0

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:

Female 90°

M12, 12-pole

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

with cable sleeves

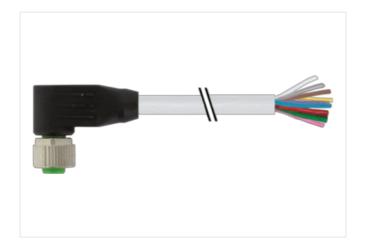
Plastic housings with good resistance against chemicals and oils.

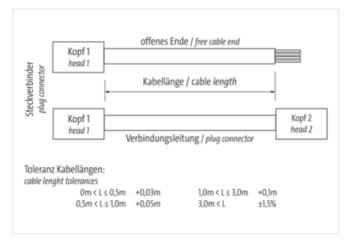
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Link to Product

Illustration

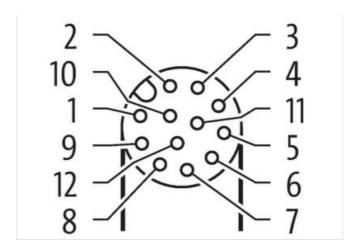


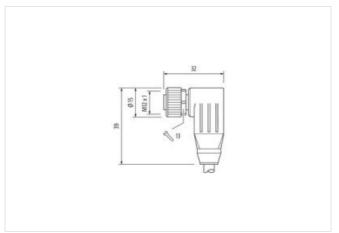




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Product may differ from Image











Cable length	17 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Cable outlet	angled
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	12
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	80 mm
Family construction form	free cable end
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 GTIN 4048879678100 GTIN 4048879678100 Packaging unit 1 Packaging unit 1 Electrical data | Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V 30 V Operating voltage DC (UL-listed) Current operating per contact max. 1,5 A **Diagnostics** Status indication LED no Installation | Connection Stripping length (jacket) 80 mm Mounting set M12 x 1 Gender female Device protection | Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree Rated surge voltage 0,8 kV Material group (IEC 60664-1) ı Mechanical data Contour for corrugated hose without 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 -30 °C Operating temperature min. 85 °C Operating temperature max. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Conformity

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-04-24

The information in this Product-PDF has been compiled with the utmost care.



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Installation Cabbe	Product standard	DIN EN 61076-2-101 (M12)
Cable Identification 301 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Anount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Banding Fleece wire arrangement gray-pink, vioel, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue) Cabbe weight 69,3 gm Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freadom from ingredients (jacket) 10 Bad-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheth) 1 ½ Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 50 ± 5 Shore D Ingredient feeness wire insulation 50 ± 5 Shore D Ingredient feeness wire insulation 50 ± 5 Shore D Ingredient feeness wire insulation 50 ± 5 Shore D Ingredient feeness wire insulation 50 ± 5 Smore D	Installation Cable	
Sacket Color	wire arrangement	gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue)
Type of Certificate	Cable identification	301
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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 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - 1,5 kV @ 60 s Isolation resistance 10 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C horizontal	Conductor type (wire)	
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Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω /km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - included in the properties of the proper	-	to DIN VDE 0298-4
Electrical resistance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire jacket) 1,5 kV @ 60 s Isolation resistance 10 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C horizontal		3 A
Electric capacitance 80000 pF/km Power frequency withstand voltage (wire-jacket) 1,5 kV @ 60 s Isolation resistance 10 MΩ x km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal		76 Ω/km @ 20 °C
Electric capacitance 80000 pF/km Power frequency withstand voltage (wire-jacket) 1,5 kV @ 60 s Isolation resistance 10 MΩ x km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	AC withstand voltage (wire - wire)	1.5 kV @ 60 s
Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s Isolation resistance 10 MΩ x km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal		<u> </u>
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C horizontal	Power frequency withstand voltage (wire -	
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Isolation resistance	10 MΩ × km
Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Max. operating temperature (fixed)	80 °C
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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature min. (dynamic)	-20 °C
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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature max. (dynamic)	80 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (fixed)	10 x Outer diameter
No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (dynamic)	15 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C horizontal		3 Mio. @ 25 °C
	Travel speed (C-track)	2 m/s @ 25 °C

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