

M12 female 90° A-cod. with cable

PUR 5x0.34 bk UL/CSA+drag ch. 5m

Female 90° M12, 5-pole

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

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

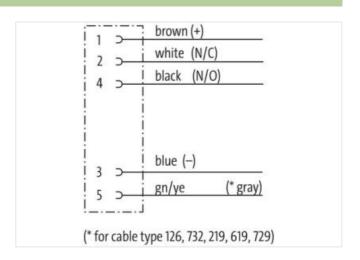
The resistance to aggressive media should be individually tested for your application. Further details on request.

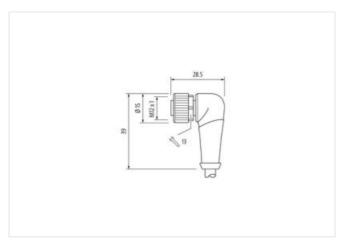
Further cable lengths on request.

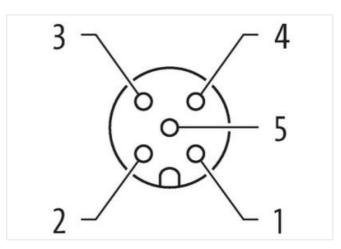
Link to Product

Illustration









Product may differ from Image













Cable length

5 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-20



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-11.1	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879000703
Packaging unit	1
	'
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 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
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	ı
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.	-25 °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)
Installation Cable	



stay connected

Cable Type	Cable identification	635
Type of Certificate	Cable Type	3
Amount stranding 1 Stranding 5 wires around Core filler lwisted Filler yes wire arrangement brown, black, blue, white, green yellow Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 99.5 Shore A Cuter-diameter (jacket) 4,8 mm Tolerance outer dameter (health) 1.5 % Cuter-diameter (jacket) 4,8 mm Tolerance outer dameter (health) 1.5 % Cuter diameter insulation PP Amount wires 5 Cuter diameter insulation 1,25 mm Cuter diameter insulation 70.5 Shore D Ingredient feeness wire insulation 1,3 mm Cuter diameter of single wires 0,1 mm Conductor or single wires 0,1 mm Material conductor vive Conductor crossessection (wire) 0,3 mm² Material conductor vive Stranded epoper wire, bare Conductor type (wire) strands (wire) 10 m @ 25 °C horzontal Nominal voltage AC max. 300 V Current load capacity min. wire 4,5 A Current load capacity (wire) 2,5 kW @ 60 s Biochical resistance (incompanie) 4,6 W @ 60 s AM. Ac winstand voltage (wire - wire) 2,5 kW @ 60 s Coperating temperature min. (dynamic) 4,6 °C of 10000 h Operation Un resistance (Conductor classification (Red) 6 & 60 °C / 90 °C @ 10000 h Operation Un resistance (Conductor classification (Red) 6 & 60 °C / 90 °C @ 10000 h Operation Un resistance (Conductor classification (Red) 6 & 60 °C / 90 °C @ 10000 h Operation Un resistance (Conductor classification (Red) 6 & 60 °C / 90 °C @ 10000 h Operation Un resistance (Conductor classification (Good) 5 × Outer diameter (Legister) 10 Min. @ 25 °C Conductor lossification (Good) 5 × Outer diameter (Legister) 10 Min. @ 25 °C Conductor consistance (Good, application-related testing DIN EN 60811-404 Earnding radius (freed) 5 × Outer diameter (Legister) 10 Min. @ 25 °C Torsion stress 1 × 180 °m; 10 Min. @ 25 °C Torsion stress 1 × 180 °m; 10 Min. @ 10 Min.	Jacket Color	black
Syranding Syra	Type of Certificate	cURus
Syranding Syra	**	1
Filler yes wire arrangement borown, black, blue, white, green-yellow Able weigh 41,8 gm Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 92,5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) 1,5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter of learnness wire insulation 1,25 mm Outer diameter of single wires 1,25 mm Outer diameter 1,25 mm Ou		5 wires around Core filler twisted
wire arrangement brown, black, blue, white, green-yellow Cable weigh 41,8 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) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 mm All properties of single wires 0,1 mm Conductor prossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C (Inorizontal Nominal voltage AC max 300 V <t< td=""><td></td><td></td></t<>		
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Tolerance outer diameter (sheath)		
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Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 77 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 80 °C / 90 °C @ 10000 h Operation Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (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 § 1100 h TZ UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance <td></td> <td></td>		
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Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 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 Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles ± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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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 Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
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 Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	chemical resistance	
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m		10 Mio. @ 25 °C
Torsion stress ± 180 °/m		2 Mio.
		± 180 °/m
	Torsion speed	35 cycles/min