

M12 female 0° A-cod. with cable V2A

PUR 3x0.34 gy UL/CSA+drag ch. 5m

Female straight

M12, 3-pole

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

Stainless steel 1.4305 (V2A)

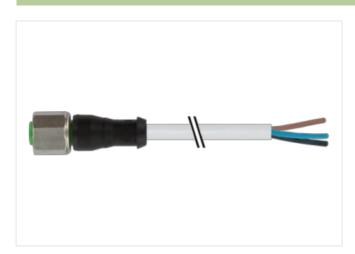
Plastic housings with good resistance against chemicals and oils.

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

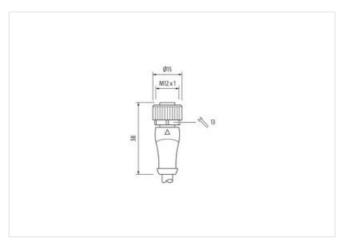
Further cable lengths on request.

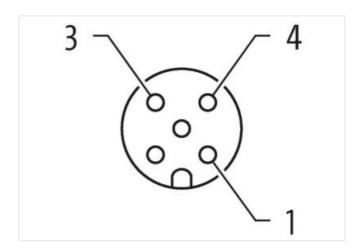
Link to Product

Illustration









Product may differ from Image





Cable length 5 m

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: 2024-05-21



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Thread	Mounting method	inserted, screwed
Tread	Family construction form	M12
Coding A No. of poles 3 With across flats SW13 Degree of protection (EN IEC 60529) IPSE, IPSEK, IPS7 Side 2 Stripping length (lackert) 20 mm Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27060311 ECLASS-8.1.1 27060311 ECLASS-8.1.1 27060311 ECLASS-1.1.1 27060311 ECLASS-1.2.0 27000311 ECLASS-1.0.1 27060311 ECLASS-1.0.1 27060311 ECLASS-1.0.1 27060311 ECLASS-1.1.1 27060311 ECLASS-1.0.2 27000311 ECLASS-1.0.3 ECOILESS customs tariff number 85444290 GTIN 4048279439664 Packaging unit 1 Electrical data [Supply Operating voltage AC (ILL-listed) 30 V Operating voltage CR (ILL-listed) 30 V	Thread	M12 x 1
No. of poles	suitable for corrugated tube (internal Ø)	10 mm
Width across flats SW13 Degree of protection (EN IEC 60529) P95, IP66K, IP67 Side 2 Supping longth (acket) 20 mm Commercial data ECILASS-6.0 27279218 ECILASS-6.1 27279218 ECILASS-7.0 27279218 ECILASS-9.0 27660311 ECILASS-9.0 27660311 ECILASS-1.1 27060311 ECILASS-12.0 27060311 ECILASS-10.1 4048879439664 Packaging unit 1 Electrical data Supply Certaing voltage AC max. 250 V Operating voltage AC max. 250 V Operating voltage AC max. 250 V Operating voltage AC (ILL-listed) 30 V Current operating per contact max. 4 A Diagnostics 3 <t< td=""><td>Coding</td><td>A</td></t<>	Coding	A
Degree of protection (EN IEC 60529)	No. of poles	3
Side 2 Commercial data Commercial data ECLASS 6.0 27279218 ECLASS 6.1 27279218 ECLASS 7.0 27279218 ECLASS 9.0 27060311 ECLASS 9.0 27060311 ECLASS 9.1 27060311 ECLASS 9.1.1 27060311 ECLASS 9.1.2 27060311 ECLASS 9.1.3 27060311 ECLASS 9.1.4 27060311 ECLASS 9.0 E001855 customs tariff number 85444290 GTIN 4048079439964 Plackaging unit 1 Electrical data Supply V Operating voltage DC max 250 V Operating voltage DC max 250 V Operating voltage DC max 250 V Operating voltage per contact max 4 A Dispositis 3 Status indication LED no Installation Connection 1 Politicion Degree 3 Radid surge voltage 2,5 kV Material proup (IEC 60664-1) 1	Width across flats	SW13
Stripping length (jacket) 20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	Side 2	
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Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Important installation notes	Operating temperature min.	-25 °C
Important installation notes	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Important installation notes	
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stay connected

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.

	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
•	000
Cable Time	233
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 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)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
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	6 A
Electrical resistance line constant wire	57 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
Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
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
Torsion speed	35 cycles/min