

## M12 male 0° A-cod. with cable

PUR 5x0.34 bk UL/CSA+drag ch. 25m

Male straight A-coded M12, 5-pole

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

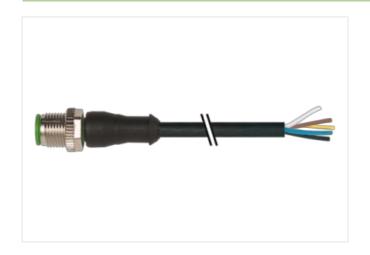
Further cable lengths on request.

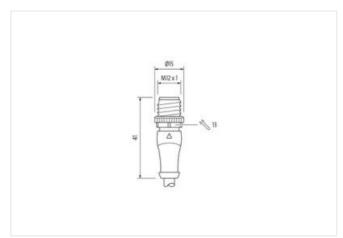
The resistance to aggressive media should be individually tested for your application. Further details on request.

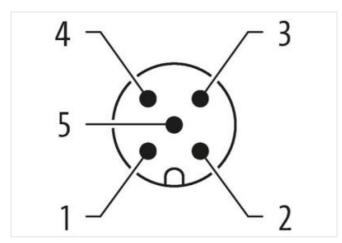
Plastic housings with good resistance against chemicals and oils.

## **Link to Product**

## Illustration









Product may differ from Image













Cable length

25 m

Side 1

Tightening torque

0,6 Nm

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

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Family construction form M12 Throad M12 x 1 M12 x 1 M12 x 1 Market and	Mounting method	inserted, screwed
Treed		· · · · · · · · · · · · · · · · · · ·
State   Stat		
Cache   Straight   Cache   Straight   Cache   A		
Coping		
Material   PUR   No. of poles   5   5   5   5   5   5   5   5   5		· · · · · · · · · · · · · · · · · · ·
No. of poles   5		
Michael and Section   Michael Section   Michae	No. of poles	
Side 2   Stripping length (jacket)		SW13
Stripping length (jacket)	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Family construction form   free cable end	Side 2	
Commercial data	Stripping length (jacket)	20 mm
ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27269311 ECLASS-8.0 27069311 ECLASS-10.1 27069311 ECLASS-10.1 27069311 ECLASS-11.1 27069311 ECLASS-12.0 27069311 ECLASS-12.0 27069311 ETM-5.0 EC001855 COUNTY A 404887956961 FTM-10.1 404887956961 Factorical data [Supply Coperating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED no Stripping length (jacket) 20 mm Mounting set M12x 1  Device protection   Electrical Additional condition protection degree   1.5 kV  Mechanical data  Material data Coating locking Nickeled Coating of fitting inickel plated Coating of fitting inickel plated Coating of fitting inickel plated Mechanical data  Material data Mechanical data  Material data Mechanical data  Material screw connection   2 incerted, screwed, Shaking protection   2 incerted	-	free cable end
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ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27090311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-S.0         EC001855           customs tariff number         85444290           GTIN         4048879569651           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         125 V           Operating voltage DC max.         125 V           Operating voltage DC max.         125 V           Operating voltage DC (U-listed)         30 V           Operating voltage DC (U-listed)         30 V           Operating voltage PC contact max.         4 A           Diagnostics           Status indication LED         no           Installation   Connection         Stripping length (gacket)           Stripping length (gacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Pallution Degree         3           Rated aurge voltage         1,5 kV           Meterial group (IEC 6		27279218
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ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-S.0         EC001855           customs tariff number         68444290           GTIN         4048679569651           Packaging unit         1           Electrical data   Supply         1           Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage AC (UL-listed)         30 V           Installation Connection         Stripping length (jacket)           Status indication LED         no           Installation   Connection         Stripping length (jacket)           Additional condition protection degree         inserted, screwed           Polition Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mech		
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Packaging unit    Electrical data   Supply	customs tariff number	85444290
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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 min25 °C		1,5 kV
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	Material group (IEC 60664-1)	
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 min25 °C	Mechanical data   Material data	
Locking material  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C		Nickeled
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C		· · · · · · · · · · · · · · · · · · ·
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C		·
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C		Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C	Mechanical data   Mounting data	
Operating temperature min25 °C	Mounting method	inserted, screwed, Shaking protection
	Environmental characteristics   Climatic	
Operating temperature max. 85 °C	Operating temperature min.	-25 °C
	Operating temperature max.	85 °C

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Important installation notes	
Note on strain relief	Distort the connectors by suitable measures from machanical leads on a by the years of cable ties
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	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	635
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	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 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 <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - acket)	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
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal

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Travel speed (C-track)	3 m/s @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	