

## M12 female 0° A-cod. with cable

PUR 2x0.5 gy UL/CSA+drag ch. 13m

Cube67 Female straight M12, 2-pole A-coded

Actuator supply external

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

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

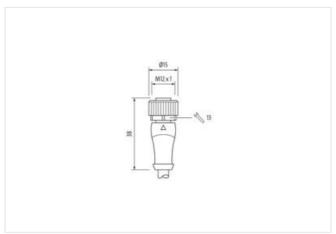
The resistance to aggressive media should be individually tested for your application. Further details on request.

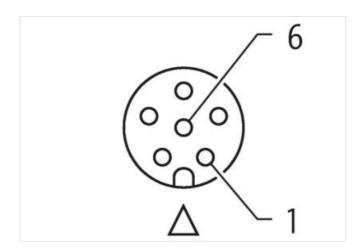
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

13 m



stay connected

Side 1			
Tightening torque	0,6 Nm		
Mounting method	inserted, screwed		
Coating contact	gold plated		
Family construction form	M12		
Thread	M12 x 1		
suitable for corrugated tube (internal Ø)	10 mm		
Coding	A		
Material contact	Copper alloy		
Material	PUR		
No. of poles	2		
Width across flats	SW13		
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67		
Side 2			
Stripping length (jacket)	20 mm		
Coating contact	gold plated		
Commercial data	90.0 b.00.00		
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		
GTIN	4048879466806		
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		
Operating voltage DC (UL-listed)	30 V		
Current operating per contact max.	4 A		
Diagnostics			
Status indication LED	no		
Installation   Connection			
Stripping length (jacket)	20 mm		
Mounting set	M12 x 1		
Device protection   Electrical			
Additional condition protection degree	inserted, screwed		
Pollution Degree	3		
Rated surge voltage	0,8 kV		
Material group (IEC 60664-1)	1		
Mechanical data   Material data			
Coating locking	Nickeled		
Coating of fitting	nickel plated		
Material gasket	FKM		
Locking material	Zinc die-casting		
Material screw connection	Zinc die-casting Zinc die-casting	_	

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stay connected

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			
Conformity				
Product standard	DIN EN 61076-2-101 (M12)			
Installation   Cable				
Cable identification	414			
Cable Type	3			
Jacket Color	gray			
Type of Certificate	cURus			
Amount stranding	1			
Stranding	2 wires twisted			
wire arrangement	brown, blue			
No. of bending cycles (C-track)	10 Mio. @ 25 °C			
Cable weigth	30,8 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)	4,4 mm			
Tolerance outer diameter (sheath)	±5%			
Material wire insulation	PP			
Amount wires	2			
Outer diameter insulation	1,4 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)	28			
Diameter of single wires	0,15 mm			
Conductor crosssection (wire)	0,5 mm²			
Material conductor wire	Stranded copper wire, bare			
Conductor type (wire)	strand class 6			
Traversing distance (C-track)	10 m @ 25 °C   horizontal			
Current load capacity (standard)	to DIN VDE 0298-4			
Current load capacity min. wire	9 A			
Electrical resistance line constant wire	39 Ω/km @ 20 °C			
Nominal voltage power AC max.	300 V			
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s			
AC withstand voltage power (wire - wire)	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 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2			
chemical resistance	Good, application-related testing			
	Good, application-related testing			
Gasoline resistance	· ·			
Gasoline resistance Oil resistance	Good, application-related testing   DIN EN 60811-404			
Oil resistance	Good, application-related testing   DIN EN 60811-404  5 x Outer diameter			
	Good, application-related testing   DIN EN 60811-404  5 x Outer diameter  10 x Outer diameter			

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Torsion speed 35 cycles/min

Torsion stress ± 180 °/m