

## M12 female 0° A-cod. with cable

PUR 2x0.5 gy UL/CSA+drag ch. 8m

Cube67 Female straight M12, 2-pole A-coded

Actuator supply external

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

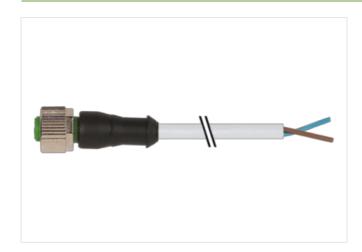
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

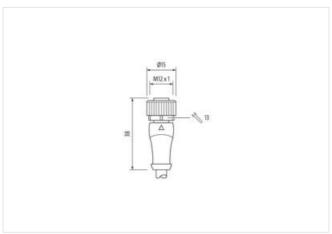
The resistance to aggressive media should be individually tested for your application. Further details on request.

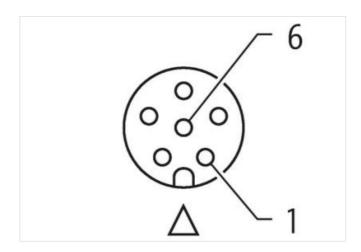
## **Link to Product**

## Illustration









Product may differ from Image











Cable length



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
	good plated
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
GTIN	4048879377362
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	
	to a said a susual
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	l
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
-	Zinc die-casting

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: 2024-05-14



stay connected

Nounting 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
,	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
lote on bending radius	<b>Attention:</b> 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	
Cable identification	414
Cable Type	3
acket Color	gray
ype of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
vire arrangement	brown, blue
raversing distance (C-track)	10 m @ 25 °C   horizontal
Cable weigth	30,8 g/m
faterial jacket	PUR
hore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4.4 mm
olerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
amount wires	2
Outer diameter insulation	1,4 mm
Outer diameter insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
ngredient freeness wire insulation	28
mount strands (wire) Diameter of single wires	0,15 mm
conductor crosssection (wire)	0,15 mm  0.5 mm <sup>2</sup>
. ,	*
laterial conductor wire	Stranded copper wire, bare
Conductor type (wire)  Jominal voltage AC max.	strand class 6 300 V
	to DIN VDE 0298-4
Current load capacity (standard)	
Current load capacity min. wire	9 A
Christman valtage (wire wire)	39 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2,5 kV @ 60 s
ower frequency withstand voltage (wire -	2,5 kV @ 60 s
lin. operating temperature (static)	-40 °C
fax. 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
lame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
hemical resistance	Good, application-related testing
Sasoline resistance	Good, application-related testing



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	