

## M12 female 0° A-cod. with cable

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

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.

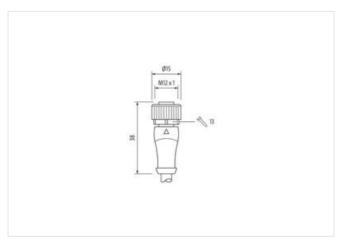
The resistance to aggressive media should be individually tested for your application. Further details on request.

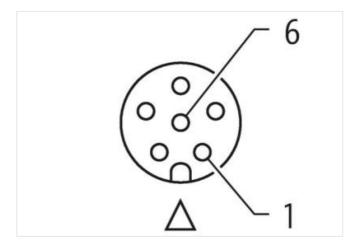
## **Link to Product**

## 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	
Commercial data		
	07070040	
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 ETIM-5.0	27060311	
	EC001855	
customs tariff number	85444290	
GTIN	4048879197144	
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)	I	
Mechanical data   Material data		
Coating locking	Nickeled	
Coating of fitting	nickel plated	
Material gasket	FKM	
Locking material	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: 2024-05-03



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	