

M12 female 90° A-cod. with cable

PUR 2x0.5 gy UL/CSA+drag ch. 6m

Cube67 Female 90° 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.

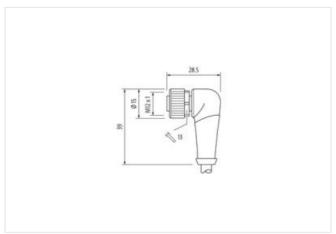
The resistance to aggressive media should be individually tested for your application. Further details on request.

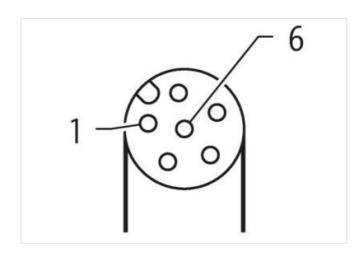
Link to Product

Illustration









Product may differ from Image











Cable length



stay connected

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 Material contact	A Comparation
	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
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27270219
	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	4048879313803
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
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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



stay connected

Material screw connection	Zinc die-casting		
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		
Important installation notes			
	District the connectors by suitable messures from mechanical leads, a.g. by the upage of cable ties		
Note on strain relief Note on bending radius	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 endangered by excessive bending forces.		
Conformity			
Product standard	DIN EN 61076-2-101 (M12)		
	DIV EN 01070-2-101 (WI12)		
Installation Cable			
wire arrangement	brown, blue		
Cable identification	414		
Cable Type	3		
Jacket Color	gray		
Type of Certificate	cURus		
Amount stranding	1		
Stranding	2 wires twisted		
wire arrangement	brown, blue		
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) Material wire insulation	± 5 %		
Amount wires	PP 2		
Outer diameter insulation	2		
Outer diameter insulation Outer diameter tolerance core insulation	1,4 mm ± 5 %		
	70 ± 5 Shore D		
Shore hardness wire insulation			
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 Stranded conner wire here		
Material conductor wire	Stranded copper wire, bare		
Conductor type (wire) Nominal voltage AC max.	strand class 6 300 V		
Current load capacity (standard)	to DIN VDE 0298-4		
Current load capacity (standard) Current load capacity min. wire	9 A		
Electrical resistance line constant wire	39 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 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2		
chemical resistance	Good, application-related testing		



Gasoline resistance	Good, application-related testing Good, application-related testing DIN EN 60811-404	
Oil resistance		
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	
Travel speed (C-track)	3 m/s @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	