

stay connected

M12 female 0° A-cod. with cable

PUR 12x0.25 gy UL/CSA+robot+drag ch. 3m

Female straight

M12, 12-pole

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

with cable sleeves

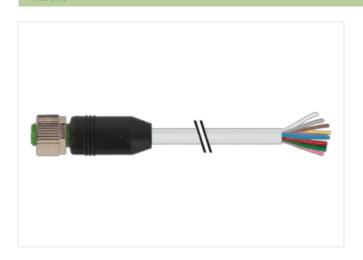
Plastic housings with good resistance against chemicals and oils.

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

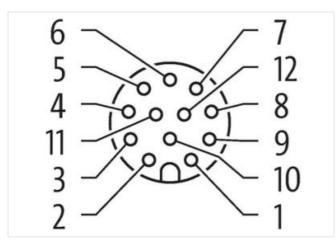
Further cable lengths on request.

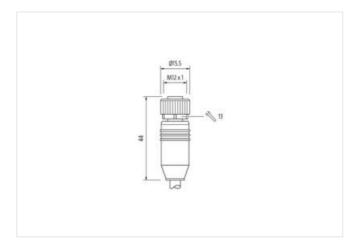
Link to Product

Illustration



BN	
BU	
WH	
GN	
PK	
YE	
BK	
GY	
RD	
VT	
I GY PK	
RD BU	





Product may differ from Image











Cable length

3 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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Mounting method	inserted, screwed
Family construction form	M12
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879516303
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.	1,5 A
Installation Connection	
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	
Contour for corrugated hose	without
Mechanical data Material data	Thirties and the second
Coating locking	safe-cover coated
Coating of fitting	nickel plated
Locking material Material screw connection	Zinc die-casting Zinc die-casting
	Zilic 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	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	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)

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Installation Cable			
vire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue		
Cable identification	302		
Cable Type	1		
Jacket Color	gray		
Type of Certificate	cURus		
Amount stranding	1		
Stranding	3 wires twisted		
Amount stranding (type 2)	1		
Stranding (type 2)	9 wires around Stranding combination twisted		
vire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue		
Cable weigth	71,5 g/m		
Material jacket	PUR		
Shore hardness jacket	58 ± 3 Shore D		
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Outer-diameter (jacket)	6,9 mm		
Folerance outer diameter (sheath)	± 5 %		
Material wire insulation	PP		
Amount wires	12		
Outer diameter insulation	1,25 mm		
Outer diameter tolerance core insulation	±5%		
Shore hardness wire insulation	74 ± 3 Shore D		
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Amount strands (wire)	32		
Diameter of single wires	0,1 mm		
Conductor crosssection (wire)	0,25 mm ²		
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	3 A		
Electrical resistance line constant wire	79 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		
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090		
chemical resistance	Good, application-related testing		
Gasoline resistance	Good, application-related testing		
Dil 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)	5 Mio. @ 25 °C		
Fraversing distance (C-track)	5 m @ 25 °C horizontal		
Fravel speed (C-track)	3,3 m/s @ 25 °C		
No. of torsion cycles	1 Mio.		
Forsion stress	± 180 °/m		
Torsion speed	35 cycles/min		