

M12 female 0° A-cod. with cable

PUR 5x0.34 bk UL/CSA+drag ch. 1.5m

Female straight M12, 5-pole

A-coded

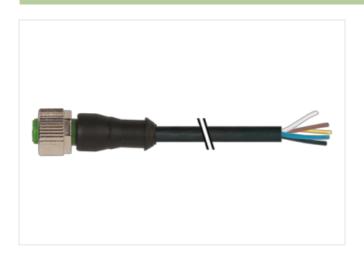
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

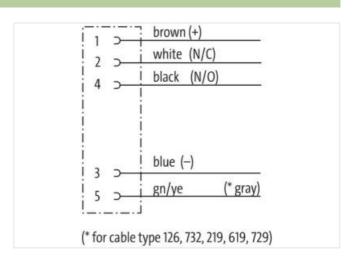
Plastic housings with good resistance against chemicals and oils.

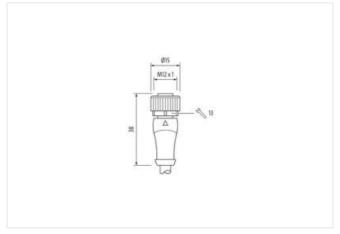
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

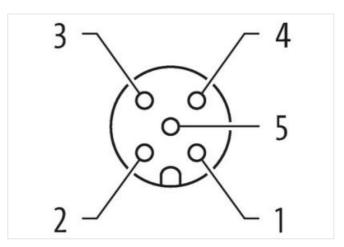
Link to Product

Illustration









Product may differ from Image













Cable length

1,5 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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stay connected

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	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
	gold plated
Commercial data	
ECLASS-6.0	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	4048879210911
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 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	1,5 kV
Material group (IEC 60664-1)	T. Control of the con
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
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	

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stay connected

perating temperature min.	-25 °C
perating temperature max.	85 °C
dditional condition temperature range	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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
roduct standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	635
Cable Type	3
acket Color	black
ype of Certificate	cURus
mount stranding	1
Stranding	5 wires around Core filler twisted
iller	yes
rire arrangement	brown, black, blue, white, green-yellow
Cable weigth	41,8 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,8 mm
olerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
mount strands (wire)	42
Diameter of single wires	0.1 mm
	0,34 mm ²
Conductor crosssection (wire)	·
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
raversing distance (C-track)	10 m @ 25 °C horizontal to DIN VDE 0298-4
Current load capacity (standard)	
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
lominal voltage power AC max. 'ower frequency withstand voltage power wire - jacket)	300 V 2,5 kV @ 60 s
C withstand voltage power (wire - wire)	2,5 kV @ 60 s
fin. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature min. (dynamic)	80 °C / 90 °C @ 10000 h Operation
IV resistance	DIN EN ISO 4892-2 A
ilame resistance	
	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
hemical resistance	Good, application-related testing
	Good, application related tecting
Sasoline resistance	Good, application-related testing
	Good, application-related testing Good, application-related testing DIN EN 60811-404 10 Mio. @ 25 °C



Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m