

#### M8 male 0° / M12 female 0° A-cod.

PVC 3x0.25 ye UL/CSA 5m

Art.No.: 7000-88241-0100500

Weight: 0.151 Country of origin: US

Model designation: MSBL0-H-R010\_5.0

# Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

#### **Product details:**

Male straight - female straight

M8 - M12, 3-pole

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

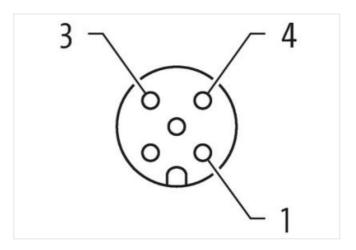
Plastic housings with good resistance against chemicals and oils.

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

## **Link to Product**

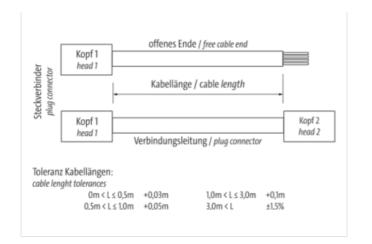
# Illustration

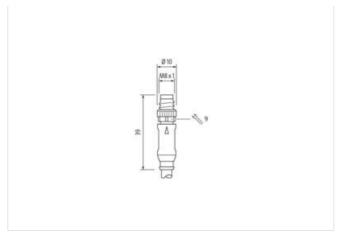


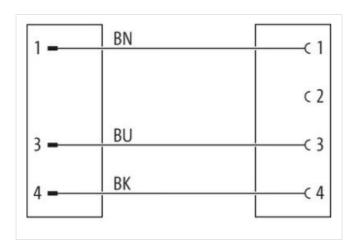


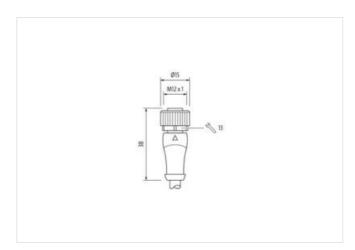


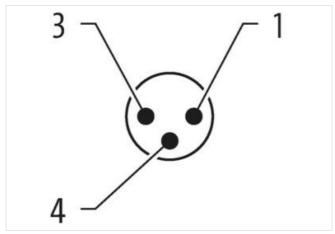
stay connected











Product may differ from Image











Cable length

5 m

Side 1

**Tightening torque** 

0,4 Nm



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
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
No. of poles	3
Width across flats	SW13
Commercial data	
	27279218
ECLASS-6.0	
ECLASS-6.1 ECLASS-7.0	27279218 27279218
ECLASS-8.0 ECLASS-9.0	27279218
	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879124676
EAN	4048879124676
Packaging unit	1
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1,5 KV
	•
Mechanical data   Material data  Material housing	PUR
Coating locking	Nickeled
Material gasket	FKM
Locking material	Zinc die-casting
Mechanical data   Mounting data	



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Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
· · · · · · · · · · · · · · · · · · ·	-30 °C
Operating temperature min.  Operating temperature max.	85 °C
· · · · · · · · · · · · · · · · · · ·	depending on cable quality
Additional condition temperature range	depending on capie quanty
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), DIN EN 61076-2-114 (M8)
Installation   Cable	
wire arrangement	brown, black, blue
Cable identification	010
Cable Type	1
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,37 g/m
	PVC
Material jacket	85 ± 5 Shore A
Shore hardness jacket	
Freedom from ingredients (jacket)  Outer-diameter (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Tolerance outer diameter (sheath)	4,5 mm ± 5 %
Material wire insulation	PVC
Amount wires	3
	-
Outer diameter insulation  Outer diameter tolerance core insulation	1,25 mm ± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability  lead-free, cadmium-free, CFC-free, silicone-free
Ingredient freeness wire insulation	, , , ,
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404



Bending radius (fixed) 5 x Outer diameter

Bending radius (dynamic) 10 x Outer diameter