

## M8 male 0° / M12 female 0° A-cod.

PVC 3x0.25 gy UL/CSA 5m

Art.No.: 7000-88241-2100500 Weight: 0.151 Country of origin: US Model designation: MSBL0-H-R210\_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.

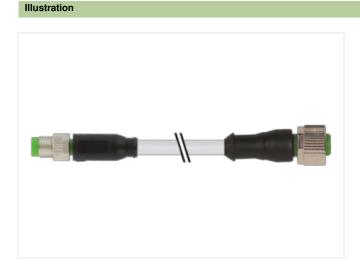
The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

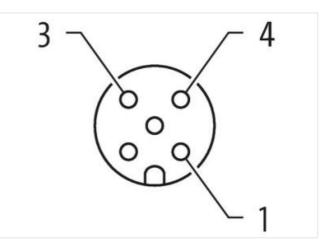
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

If you are missing technical information? Please feel free to use our <u>dictionary</u> 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.

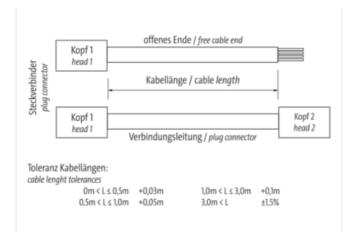
## Link to Product

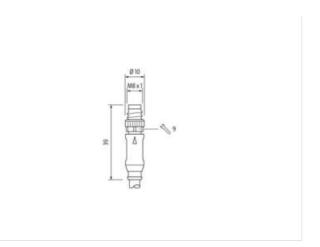


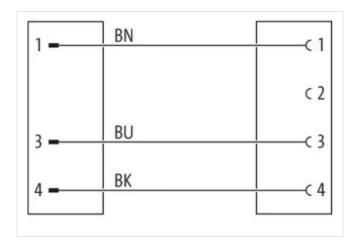


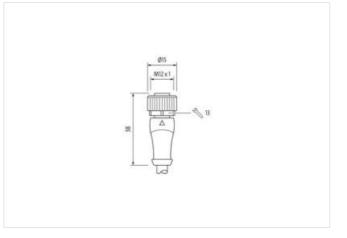
The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-05

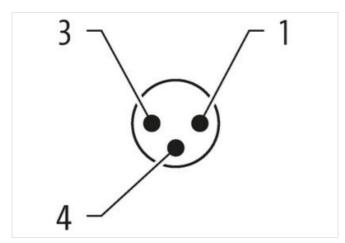












Product may differ from Image



Cable length	5 m
Side 1	
Tightening torque	0,4 Nm

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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)    I      Mechanical data   Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Electrical data   Supply	
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)    I      Mechanical data   Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Operating voltage AC max.	50 V
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)    I      Mechanical data   Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Operating voltage DC max.	60 V
Degree of protection (EN IEC 60529)IP65, IP67, IP68, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage1,5 kVMaterial group (IEC 60664-1)IMechanical data   Material dataMaterial housingPURCoating lockingNickeledMaterial gasketFKMLocking materialZinc die-casting	Current operating per contact max.	4 A
Additional condition protection degree    inserted, screwed      Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Mechanical data   Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Device protection   Electrical	
Pollution Degree    3      Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Mechanical data   Material data    I      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Rated surge voltage    1,5 kV      Material group (IEC 60664-1)    I      Mechanical data   Material data    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)    I      Mechanical data   Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Pollution Degree	3
Material group (IEC 60664-1)    I      Mechanical data   Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Rated surge voltage	1,5 kV
Mechanical data   Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting		
Coating locking  Nickeled    Material gasket  FKM    Locking material  Zinc die-casting		
Material gasket  FKM    Locking material  Zinc die-casting	Material housing	PUR
Material gasket  FKM    Locking material  Zinc die-casting	Coating locking	Nickeled
Locking material Zinc die-casting		FKM
Mechanical data   Mounting data		Zinc die-casting
	Mechanical data   Mounting data	

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Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
•	Product the common have been the block of the second state of the block of the bloc
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	210
Cable Type	1
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,37 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	4.5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1.25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
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   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing

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Bending radius (fixed) Bending radius (dynamic) 5 x Outer diameter

10 x Outer diameter

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