

## M8 male 0° / M12 female 0° A-cod.

PUR 3x0.25 gy UL/CSA+drag ch. 5m

Art.No.: 7000-88241-2300500 Weight: 0.133 Country of origin: US Model designation: MSBL0-H-R230 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.

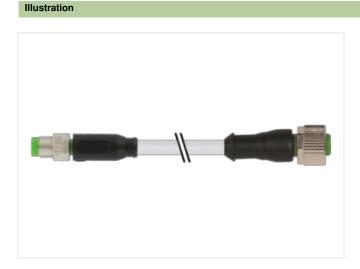
The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

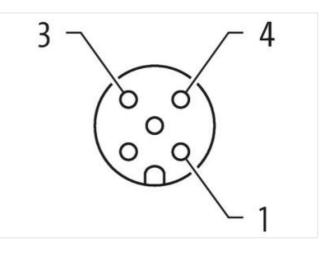
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

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.

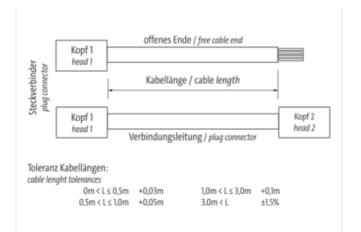
## Link to Product

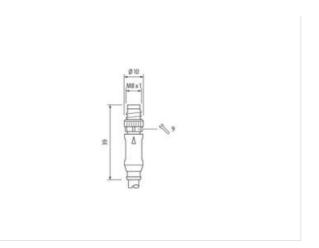


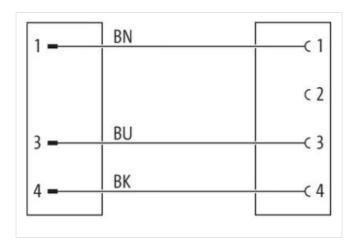


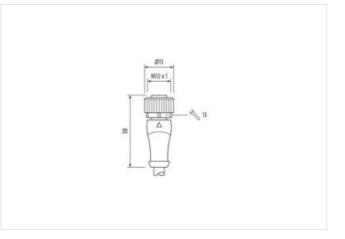
The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-04

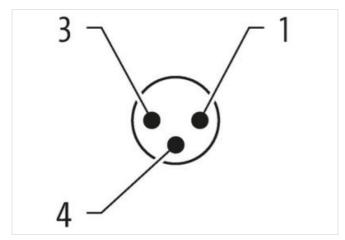












Product may differ from Image



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

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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)    I      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	EAN	4048879124218
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)    I      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	Packaging unit	1
Operating voltage AC max.    50 V      Operating voltage DC max.    60 V      Current operating per contact max.    4 A      Device protection   Electrical    Image: Contact max in the second s	Packaging unit	1
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      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
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		3
Material group (IEC 60664-1)    I      Mechanical data   Material data    Material data      Material housing    PUR      Coating locking    Nickeled      Material gasket    FKM      Locking material    Zinc die-casting	-	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		
Coating locking  Nickeled    Material gasket  FKM    Locking material  Zinc die-casting	Material housing	PUR
Material gasket      FKM        Locking material      Zinc die-casting	-	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	
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	230
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	26,4 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)	4,1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	± 5 %
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient 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 <sup>2</sup>
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	4,5 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 - 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	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
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

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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

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