

## M8 male 0° / M12 female 0° A-cod.

PVC 3x0.25 ye UL/CSA 10m

Art.No.: 7000-88241-0101000 Weight: 0.286 Country of origin: US Model designation: MSBL0-H-R010\_10.0

## 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.

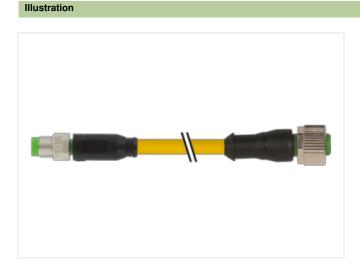
The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

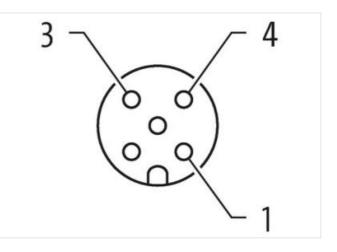
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

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.

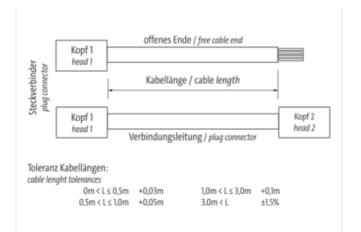
## Link to Product

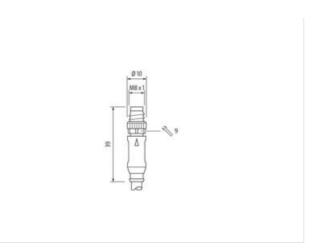


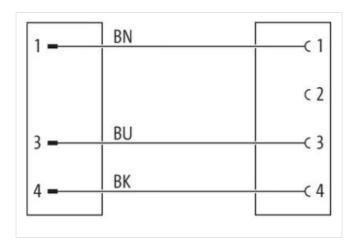


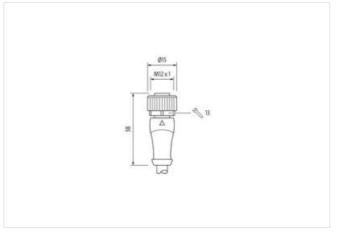
The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-04

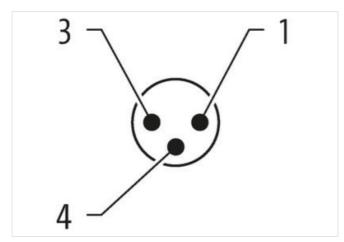












Product may differ from Image



Cable length	10 m
Side 1	
Tightening torque	0,4 Nm

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Caching construction formM0TimedM0 × 1suitable for corrupted tub (intrinal 0)6.5 mmCodingAMaterial contactCoper aloyNo. of poles3With acces fistsSw9Side 2TTiphaning torque0.6 NmMouring methodinserted, screwedCoaling contact tube (internal 0)10 mmCoaling contact tube (internal 0)2727218Coaling contact tube (internal	Mounting method	inserted, screwed
Thread         M8 x 1           utilable for corrugated tube (internal 0)         6.5 mm           Coding         A           Material contact         Copper alloy           No. of poles         3           Widta across fists         SW9           Side 2         T           Typhening rorupe         0.6 Nm           Mounting method         Inserted, screwed           Costing contact         gold pibled           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal 0)         10 mm           Coding         A           Moderial for corrugated tube (internal 0)         10 mm           Coding         A           Molerial contact         Copper alloy           No. of poles         3           Width across fists         SW13           Commercial data         ECLASS-0.           ECLASS-10         2779218           ECLASS-11         27900311           ECLASS-10         27900311           ECLASS-11         27000311           ECLASS-12.0         27000311           ECLASS-13         27000311           ECLASS-14         27279218	Coating contact	gold plated
Thread         M8 x 1           utilable for corrugated tube (internal 0)         6.5 mm           Coding         A           Material contact         Copper alloy           No. of poles         3           Widta across fists         SW9           Side 2         T           Typhening rorupe         0.6 Nm           Mounting method         Inserted, screwed           Costing contact         gold pibled           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal 0)         10 mm           Coding         A           Moderial for corrugated tube (internal 0)         10 mm           Coding         A           Molerial contact         Copper alloy           No. of poles         3           Width across fists         SW13           Commercial data         ECLASS-0.           ECLASS-10         2779218           ECLASS-11         27900311           ECLASS-10         27900311           ECLASS-11         27000311           ECLASS-12.0         27000311           ECLASS-13         27000311           ECLASS-14         27279218	Family construction form	M8
Coding         A           Material contact         Copper alloy           No. of pole         3           With access fitats         SW9           Side 2         Typhening torque           Ock Nm         Mounting method           Mounting method         Inserted, screwed           Coating contact         gold pitted           Family construction form         M12 x1           attable for corrupated tube (internal 0)         10 mm           Coding         A           Material contact         Copper alloy           No. of poles         3           With across fitats         SW13           Commercial data         Commercial data           ECLASS-6.0         2279218           ECLASS-7.0         2279218           ECLASS-7.0         27090311           ECLASS-1.1         27080311           ECLASS-1.0         27080311           ECLASS-1.1         27080311		M8 x 1
Coding         A           Material contact         Copper alloy           No. of pole         3           With access fitats         SW9           Side 2         Typhening torque           Ock Nm         Mounting method           Mounting method         Inserted, screwed           Coating contact         gold pitted           Family construction form         M12 x1           attable for corrupated tube (internal 0)         10 mm           Coding         A           Material contact         Copper alloy           No. of poles         3           With across fitats         SW13           Commercial data         Commercial data           ECLASS-6.0         2279218           ECLASS-7.0         2279218           ECLASS-7.0         27090311           ECLASS-1.1         27080311           ECLASS-1.0         27080311           ECLASS-1.1         27080311	suitable for corrugated tube (internal Ø)	6,5 mm
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Costing contect     gold plated       Family construction form     M12       Thread     M12 x 1       suitable for corrugated tube (internal 0)     10 mm       Coding     A       Material contact     Copper alloy       No. of poles     3       With barcoss fints     SW13       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.1     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27270518       ECLASS-6.1     27279218       ECLASS-6.0     272705011       ECLASS-6.0     27060311       ECLASS-6.1     2727060311       ECLASS-10.1     27060311       ECLASS-10.2     27060311       ECLASS-10.3     EC001855       oustoms tariff number     8544280       oustoms tariff number     8544280       customs tariff number     8544280       Custom tariff number     8544280 <tr< td=""><td></td><td>-</td></tr<>		-
Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal O)         10 mm           Coding         A           Material contact         Copper alloy           No. of poles         3           Width across flats         SW13           Commercial data         E           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         17060311           ECLASS-1.1         18044290           customs tariff number <td>-</td> <td></td>	-	
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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	4048879474542
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 I Material data       Material data         Material gasket       FKM         Locking material       Zinc die-casting		1
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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
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		4 A
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		
Pollution Degree3Rated surge voltage1,5 kVMaterial group (IEC 60664-1)IMechanical data   Material dataMaterial housingPURCoating lockingNickeledMaterial gasketFKMLocking materialZinc die-casting		IP65, IP67, IP68, IP66K
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	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
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	······································
· · ·	-30 °C
Operating temperature min.	
Operating temperature max.	
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	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
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) Material conductor wire	0,25 mm <sup>2</sup>
Conductor type (wire)	Stranded copper wire, bare Strand class 5
<u> </u>	300 V
Nominal voltage AC max.	
Current load capacity (standard) Current load capacity min. wire	to DIN VDE 0298-4
· · ·	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

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Bending radius (fixed)

5 x Outer diameter

Bending radius (dynamic) 10 x Outer diameter

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