

M8 male 0° / M12 female 90° A-cod.

PVC 3x0.25 gy UL/CSA 5m

Art.No.: 7000-88261-2100500

Weight: 0.151 Country of origin: US

Model designation: MSDL0-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 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 90°

M8 - M12, 3-pole

M12, A-coded

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

Further cable lengths on request.

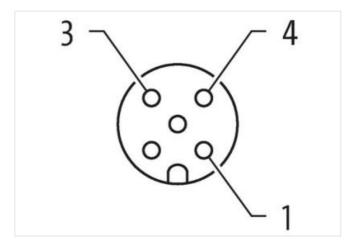
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

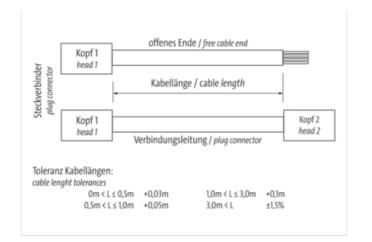
Illustration

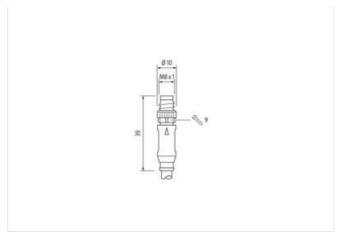


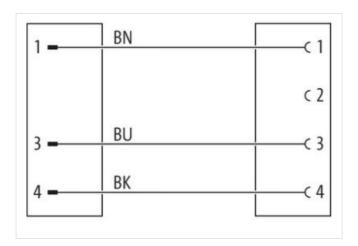


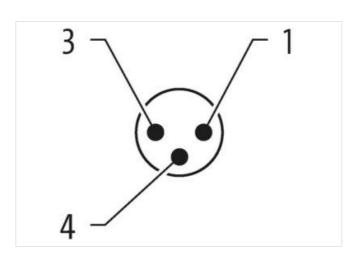


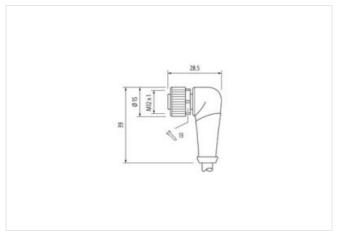
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Product may differ from Image











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	
ECLASS-6.0	27279218
ECLASS-6.1	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
customs tariff number	85444290
EAN	4048879123068
EAN	4048879123068
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage AC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
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
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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



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Locking material	Zinc die-casting
Mechanical data Mounting data	
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
	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	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
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Outer diameter tolerance core insulation	±5%
Outer diameter tolerance core insulation Shore hardness wire insulation	
	±5%
Shore hardness wire insulation	± 5 % 45 ± 5 Shore D
Shore hardness wire insulation Material properties wire insulation	± 5 % 45 ± 5 Shore D good machinability
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free
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Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm²
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max.	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5 300 V
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard)	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 79 Ω/km @ 20 °C
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire -	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 79 Ω/km @ 20 °C 2 kV @ 60 s
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket)	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 79 Ω/km @ 20 °C 2 kV @ 60 s
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Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	± 5 % 45 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free 14 0,15 mm 0,25 mm² Stranded copper wire, bare Strand class 5 300 V to DIN VDE 0298-4 4,5 A 79 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -30 °C 80 °C -5 °C



chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter