

M8 male 0° A-cod. with cable

PVC 3x0.25 gy UL/CSA 2m

Art.No.: 7000-08001-2100200

Weight: 0.065 Country of origin: US

Model designation: MSHL0-R210_2.0

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

M8, 3-pole

with cable sleeves

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

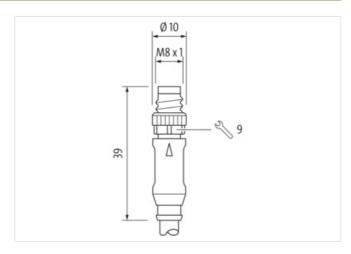
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

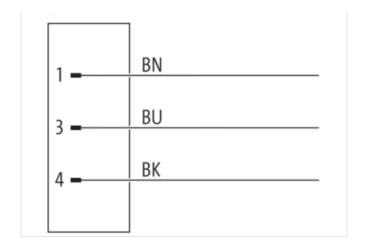
Illustration

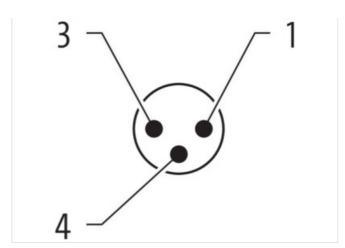


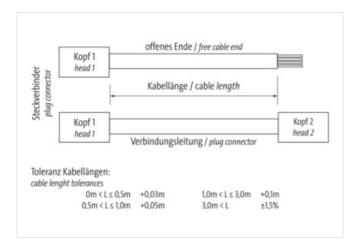


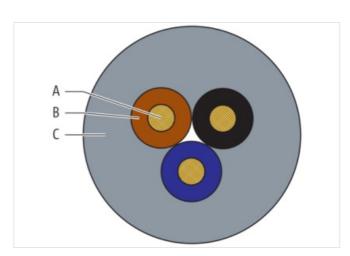


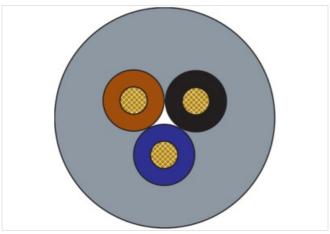
stay connected











Product may differ from Image













Header						
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Material short text MSHL0-R210_2.0

Cable length 2,00 m

Side 1



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Family construction form	M8	
No. of poles	3	
Coding	A	
Gender	male	
Mounting method	inserted, screwed	
Thread	M8 x 1	
Tightening torque	0.4 Nm	
Width across flats	SW9	
Cable outlet	straight	
suitable for corrugated tube (internal Ø)	6.5 mm	
Material	PUR	
Material contact	Copper alloy	
Coating contact	gold plated	
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65	
Side 2		
Family construction form	free cable end	
Stripping length (jacket)	20 mm	
Commercial data		
URL Webshop	https://shop.murrelektronik.com/7000-08001-2100200	
GTIN	4048879234023	
ECLASS-6.0	27279218	
ECLASS-6.1	27279218	
ECLASS-7.0	27279218	
ECLASS-7.1	27279218	
ECLASS-8.0	27279218	
ECLASS-8.1	27279218	
ECLASS-9.0	27060311	
ECLASS-9.1	27060311	
ECLASS-10.0.1	27060311	
ECLASS-10.1	27060311	
ECLASS-11.0	27060311	
ECLASS-11.1	27060311	
ECLASS-12.0	27060311	
ECLASS-13.0	27060311	
ECLASS-14.0	27060311	
ETIM-5.0	EC001855	
ETIM-6.0	EC001855	
ETIM-7.0	EC001855	
ETIM-8.0	EC001855	
customs tariff number	85444290	
EAN	4048879234023	
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	
Diagnostics		
Status indication LED	no	
Installation Connection		
Mounting set	M8 x 1	
Device protection Electrical		



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Pedution Degree 3 Indicator providings 15 kV Material group (EC 0964 1) I Machanical data Material data Material group (EC 0964 1) I Machanical data Material data Material group (EC 0964 1) III makerial group (EC	Degree of protection (EN IEC 60529)	IP67, IP66K, IP65	
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Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) Material property (jacket) Good machinability Conductor resistance (wire) 79 \(\text{Q'km @ 20 °C} \) Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) Current load capacity (standard) Current load capacity min. wire 4.5 A	Shore hardness wire insulation	45 5 Shore D	
Amount strands (wire) Amount strands (wire) Diameter of single wires 0.15 mm 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Material properties wire insulation	good machinability	
Diameter of single wires Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 \(\Omega \text{km} \) \(\omega \text{0} \) \(\omega \text{0} \) Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\omega \text{0} \text{0} \) s Withstand voltage (wire - jacket) Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free	
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) Gonductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Amount strands (wire)	14	
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Diameter of single wires	0.15 mm	
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Conductor crosssection (wire)	0.25 mm²	
Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Material conductor wire		
Outer-diameter (jacket) A.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) Good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Conductor type (wire)		
Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Outer-diameter (jacket)		
Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Tolerance outer diameter (sheath)		
Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 \(\Omega \rm, \mathbb{M} \) @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Material jacket	PVC	
Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Shore hardness jacket	85 5 Shore A	
Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free	
Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Material property (jacket)	good machinability	
Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Conductor resistance (wire)	79 Ω/km @ 20 °C	
Withstand voltage (wire - jacket) 2 kV @ 60 s Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Nominal voltage AC max.	300 V	
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A	Withstand voltage (wire - wire)	2 kV @ 60 s	
Current load capacity min. wire 4.5 A	Withstand voltage (wire - jacket)	2 kV @ 60 s	
	Current load capacity (standard)	to DIN VDE 0298-4	
Min. operating temperature (static) -30 °C	Current load capacity min. wire	4.5 A	
	Min. operating temperature (static)	-30 °C	

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: 2025-11-01



Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1080, CSA FT1, IEC 60332-1-2
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter