

M8 female 90° A-cod. with cable

PVC 3x0.25 ye UL/CSA 5m

Art.No.: 7000-08081-0100500

Weight: 0.142 Country of origin: US

Model designation: MSGL0-R010_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:Female 90°

M8, 3-pole

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

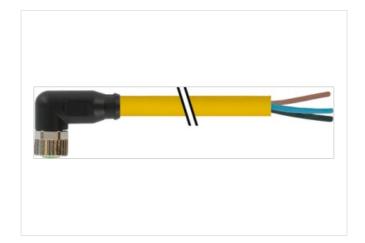
with cable sleeves

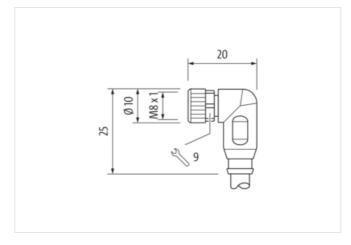
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

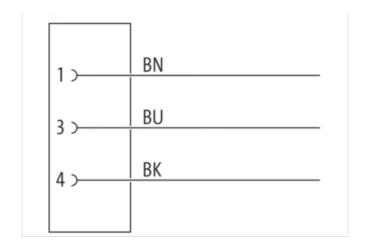
Illustration

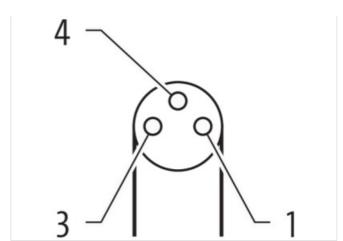


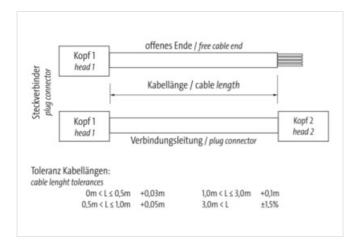


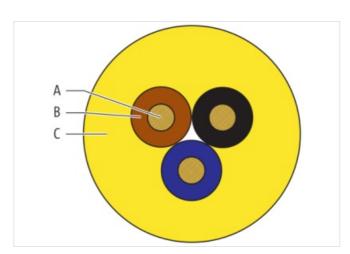


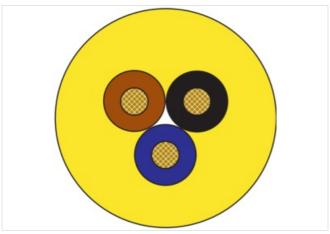
stay connected











Product may differ from Image













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Material short text MSGL0-R010_5.0

Cable length 5,00 m

Side 1



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Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M8 x 1
Tightening torque	0.4 Nm
Width across flats	SW9
Cable outlet	angled
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/7000-08081-0100500
GTIN	4048879229074
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	4048879229074
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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Allahid surprivollage 3 Allahid surprivollage 1.5 kV Mechanical data Maierial data Material group (EC 9664-1) 1 Mechanical data Maierial data Material store w connection Zinc die casting Cooring of fitting nickel planet Cooring of string nickel planet Cooring of string Nickeled Material gaskel FKM Mechanical data Mounting data Mounting method niceted, screwed, Shaking protection Environmental characteristics Climatic Operating interpretation 25 °C	Degree of protection (EN IEC 60529)	IP67, IP66K, IP65	
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Coating of fitting nickel plated Deciding material Deciding nickel plated	Mechanical data Material data		
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Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation CPC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 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 Current load capacity (standard)	Wire arrangement	brown, black, blue	
Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 5 Shore D Material properties wire insulation good machinability 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) 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 type (wire) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) QFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) QFC-free	Cable weigth	26.7 g/m	
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 5 Shore D Material properties wire insulation good machinability 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) 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 - yiacket) 2 kV @ 60 s Withstand voltage (wire - jacket) 10 IN VDE 0298-4	Material wire insulation	PVC	
Outer diameter tolerance core insulation	Amount wires	3	
Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation OFC-free, cadmium-free, silicone-free, lead-free Onductor crosssection (wire) Istranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) Material jacket PVC Shore hardness jacket PVC Shore hardness jacket St 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) CFC 100 CFC - free (admium-free) CFC - free (add-free) CFC - free (add-fre	Outer diameter insulation	1.25 mm	
Material properties wire insulation good machinability 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) 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) GCFC-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) to DIN VDE 0298-4	Outer diameter tolerance core insulation	± 0.05 mm	
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) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) 4.5 % 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 \(\Omega/km\)\@ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\overline{\Omega}\) 60 s Current load capacity (standard) to DIN VDE 0298-4	Shore hardness wire insulation	45 5 Shore D	
Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² 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) 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 Current load capacity (standard) to DIN VDE 0298-4	Material properties wire insulation	good machinability	
Diameter of single wires O.15 mm Conductor crosssection (wire) O.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) Gonductor resistance (wire) 79 \(\Omega \text{km} \ \end{aligned} \) 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\end{aligned} \) 60 s Current load capacity (standard) to DIN VDE 0298-4	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	Amount strands (wire)	14	
Material conductor wire 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 \(\Omega / \text{km} \text{ @ 20 °C} \) Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\omega \text{ 60 s} \) Withstand voltage (wire - jacket) to DIN VDE 0298-4	Diameter of single wires	0.15 mm	
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 \(\Omega / \text{km} \) \(\omega \) 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\omega \) 60 s Withstand voltage (wire - jacket) to DIN VDE 0298-4	Conductor crosssection (wire)	0.25 mm ²	
Outer-diameter (jacket) A.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 \(\Omega / \text{km} \) \(\omega 20 \circ \text{C} \) Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\omega 60 \text{ s} \) Withstand voltage (wire - jacket) 2 kV \(\omega 60 \text{ s} \) Current load capacity (standard) to DIN VDE 0298-4	Material conductor wire	Stranded copper wire, bare	
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	Conductor type (wire)	Strand class 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	Outer-diameter (jacket)	4.5 mm	
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 \(\Omega/k\m\) \(\omega\) 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\omega\) 60 s Withstand voltage (wire - jacket) 2 kV \(\omega\) 60 s Current load capacity (standard) to DIN VDE 0298-4	Tolerance outer diameter (sheath)	±5%	
Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 \(\Omega/km \emptyreal \text{20 °C} \) Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV \(\emptyreal \text{60 s} \) Withstand voltage (wire - jacket) 2 kV \(\emptyreal \text{60 s} \) Current load capacity (standard) to DIN VDE 0298-4	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	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	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	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	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	Nominal voltage AC max.	300 V	
Current load capacity (standard) to DIN VDE 0298-4	Withstand voltage (wire - wire)	2 kV @ 60 s	
Current load capacity (standard) to DIN VDE 0298-4	Withstand voltage (wire - jacket)	2 kV @ 60 s	
	Current load capacity (standard)		
	Current load capacity min. wire	4.5 A	



Min. operating temperature (static)	-30 °C
Max. operating temperature (static)	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