

M8 male 0° / M8 female 90° A-cod.

PVC 3x0.25 ye UL/CSA 5m

Art.No.: 7000-88021-0100500

Weight: 0.157 Country of origin: US

Model designation: MSGL0-H-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:

Male straight - female 90°

M8 - M8, 3-pole

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

Further cable lengths on request.

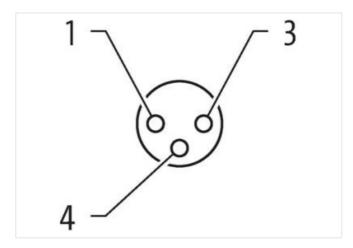
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

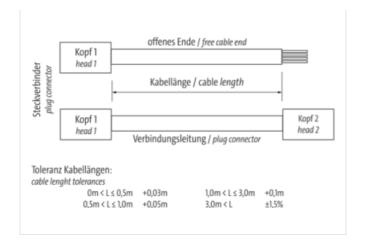
Illustration

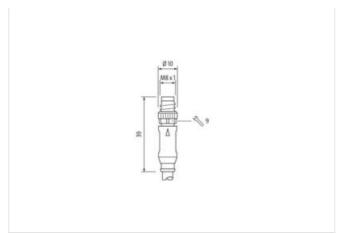


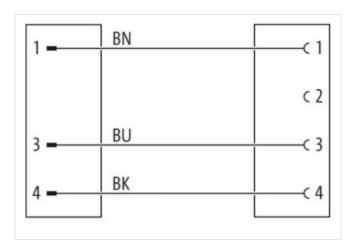


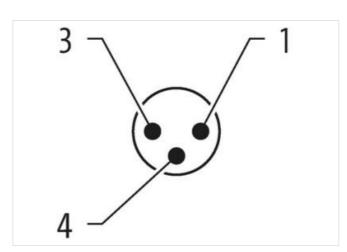


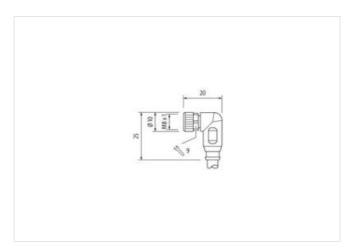
stay connected











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
Gender	male
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Gender	female
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	angled
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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 EAN	4048879725491
EAN	4048879725491
Packaging unit	1
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	
Diagnostics Status indication LED	no
Status indication LED	no
Status indication LED Device protection Electrical	
Status indication LED	NO IP65, IP67, IP68, IP66K



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Desiring tocking Selection of Michael Selection Selectio	Additional condition protection downs	inconted covering
Stand sury voltage Anterial group (IEC 6064-1) Mechanical data Material data Material plausing PUR Statistical Material Standing Anterial gaskut FXM Statistical Material gaskut FXM Statistical Material gaskut FXM Statistical Material gaskut FXM Statistical Material Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 30 °C Operating temperature min. 40 °C Operating temperatu		
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Additional gasket FKM and kname and state Mounting data dounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Deparating temperature min. -30 °C Sperating temperature min. -40 °C Sperating temperat	Material housing	PUR
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Departing temperature min.	Coating locking	Nickeled
Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Deparating temperature min. 30 °C Deparating temperature max. 65 °C Deparating temperating tempera	Material gasket	FKM
Inserted, screwed, Shaking protection	Locking material	Zinc die-casting
Environmental characteristics Climatic Operating temperature min. Operating temperature min. Operating temperature max. S5 °C (diditional condition temperature range depending on cable quality Important installation notes Vote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 61076-2-114 (M8) Installation Cable vire arrangement brown, black, blue Cable Type 1 Cable Identification 010 Cable Type 1 Cable General Cable Culture Vire under the Culture V	Mechanical data Mounting data	
Operating temperature min30 °C Operating temperature max. 85 °C Operating temperature max. 95 °C Operating temperating temperature max. 95 °C Operating temperating temperature max. 95 °C Operating temperating temperating temperating temperating temperating temp	Mounting method	inserted, screwed, Shaking protection
perating temperature max. depending on cable quality Important installation notes lote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 61076-2-114 (MS) Installation (Cable Wire arrangement Sable identification O10 Sable Type 1 Lacket Color Yellow Type of Certificate CURbus Amount stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue 29,37 gm Attention of brown, black, blue Sable wight 29,37 gm Attention from ingredients (jacket) Lacket Record 1,25 Shore A Freedom from ingredients (jacket) Lacket-ficated 4,5 mm Colorance outer diameter (sheath) 1,25 mm Duter diameter (sheath) 1,25 mm Duter diameter insulation 1,25 mm Duter diameter folerance core insulation At ± ± 5 Shore D Attential properties wire insulation 14 ± ± 5 Shore D Attential properties wire insulation 14 ± ± 5 Shore D Attential properties wire insulation 1,25 mm Duter diameter tolerance core insulation 1,25 mm Attential properties wire insulation 1,25 mm Duter diameter folerance swire insulation 1,25 mm Attential properties wire insulation 1,25 mm Attention at the condition of the condition	Environmental characteristics Climatic	
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Important Installation notes 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 61076-2-114 (M8) Installation Cable Vivie arrangement brown, black, blue Cable identification 010 Cable Type 1 Cable (Color yellow Vype of Certificate who will be	Operating temperature max.	85 °C
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 61076-2-114 (MB) Installation Cable virie arrangement brown, black, blue 2able Type 1 1 2able Type 1 1 2able Type 1 1 2able Type 1 1 2ble William 3 wires twisted Vivie arrangement brown, black, blue 2able William 3 wires twisted Vivie arrangement brown, black, blue 2able Type 1 2ble William 3 wires twisted Vivie arrangement brown, black, blue 2able William 3 wires twisted Vivie arrangement brown, black, blue 2able weigh 29,37 g/m Attential picket PVC Therefore Installation PVC Treedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, sillicone-free Viuer diameter (jacket) 4,5 mm Collerance outer diameter (sheath) 45 % Attential wire insulation PVC William Herman Silvie William Si	Additional condition temperature range	depending on cable quality
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 61076-2-114 (MB) Installation Cable virie arrangement brown, black, blue 2able Type 1 1 2able Type 1 1 2able Type 1 1 2able Type 1 1 2ble William 3 wires twisted Vivie arrangement brown, black, blue 2able William 3 wires twisted Vivie arrangement brown, black, blue 2able Type 1 2ble William 3 wires twisted Vivie arrangement brown, black, blue 2able William 3 wires twisted Vivie arrangement brown, black, blue 2able weigh 29,37 g/m Attential picket PVC Therefore Installation PVC Treedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, sillicone-free Viuer diameter (jacket) 4,5 mm Collerance outer diameter (sheath) 45 % Attential wire insulation PVC William Herman Silvie William Si	Important installation notes	
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endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-114 (M8) Installation Cable Wire arrangement Debuggement		
Product standard DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Zable identification 010 Zirus of Certificate 020 Zirus of Certificate	Note on bending radius	
Installation Cable	Conformity	
Description	Product standard	DIN EN 61076-2-114 (M8)
Cable Identification 010 Cable Type 1 Lacket 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 Duter-diameter (jacket) 4,5 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation god machinability Ingredient freeness wire insulation god machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Abount strands (wire) 14 Diameter of single wires 0,15 mm	Installation Cable	
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Value (Value (Va	Cable identification	010
Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Brown, black, blue Cable weight 29,37 g/m Anaterial 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 Folerance outer diameter (sheath) ± 5 % Amount wires 3 Subject of amount wires 3 Subject of amount wires 3 Subject of amount wire insulation PVC Amount wires 3 Shore hardness wire insulation 45 ± 5 Shore D Alaterial 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) 0,25 mm² Alaterial conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Conductor type (wire) Strand class 5 Conductor type (wire) Strand class 5 Conductor capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Cable Type	1
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Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation 45 ± 5 Shore D Material properties wire insulation Material properties wire insulation Ingredient freeness wire ins	Material wire insulation	PVC
Outer diameter insulation Duter diameter tolerance core insulation 45 ± 5 Shore D Material properties wire insulation Material properties wire insulation Ingredient freeness wire insulation	Amount wires	3
Shore hardness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Industrial properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Industriands (wire) 14 Industriands (wire) 0,15 mm Industriands (wire) 0,25 mm² Industrial conductor wire Stranded copper wire, bare Industrial conductor wire Strand class 5 Industrial voltage AC max. 300 V Industrial conductor (standard) to DIN VDE 0298-4 Industrial conductor wire 4,5 A	Outer diameter insulation	1,25 mm
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) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Aminal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Outer diameter tolerance core insulation	±5%
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Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Diameter of single wires	0,15 mm
Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Conductor type (wire)	Strand class 5
Current load capacity min. wire 4,5 A	Nominal voltage AC max.	300 V
	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 79 Ω/km @ 20 °C	Current load capacity min. wire	4,5 A
	Electrical resistance line constant wire	79 Ω/km @ 20 °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: 2025-08-05



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
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter