

M8 male 0° / M8 female 90° A-cod.

PVC 3x0.25 ye UL/CSA 1m

Art.No.: 7000-88021-0100100

Weight: 0.04

Country of origin: US

Model designation: MSGL0-H-R010 1.0

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.

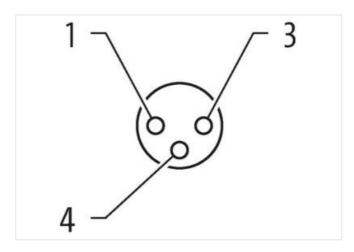
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

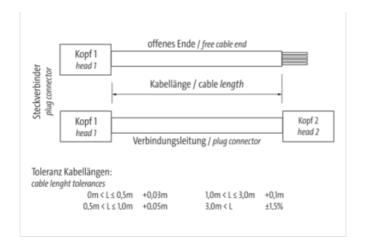
Illustration

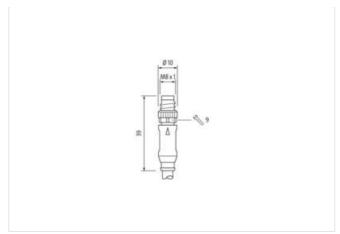


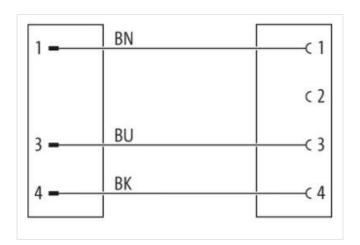


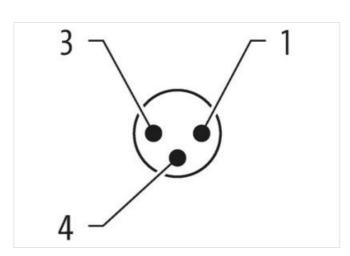


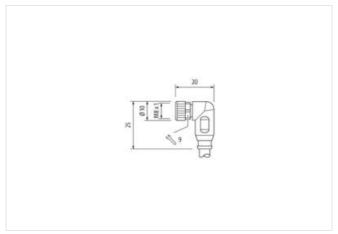
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Product may differ from Image











Cable length

1 m

Side 1

Tightening torque

0,4 Nm



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| Mounting method | inserted, screwed |
|---|---------------------------|
| | |
| Coating contact Family construction form | gold plated M8 |
| Thread | M8 x 1 |
| | |
| suitable for corrugated tube (internal Ø) | 6,5 mm |
| Gender | male |
| Cable outlet | straight |
| Coding | A Connected to |
| 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-9.0 ECLASS-10.1 | 27060311 |
| ECLASS-10.1 | 27060311 |
| ECLASS-11.1 | 27060311 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| | |
| customs tariff number | 85444290 4048879129473 |
| EAN | |
| Packaging unit | 4048879129473 |
| Packaging unit | 1 |
| Packaging unit Electrical data Supply | |
| | E0.V |
| Operating voltage AC max. | 50 V |
| Operating voltage DC 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 |
| , , | |

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: 2025-08-03



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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 | | |
| Mechanical group (EC 60664-1) Mechanical data Material data Material proup (EC 60664-1) PUR Costing locking Mechanical data Mounting Mounting | | |
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| Anterial housing PUR Conting locking Nickede Anterial gasket FKM Mechanical data Mounting data Anterial gasket FKM Mechanical data Mounting data Anterial gasket FKM Mechanical data Mounting data Anterial gasket FKM Environmental characteristics Climatic Diperating temperature min30 ° C Departing temperature min30 ° C Departing temperature max85 ° C Additional condition temperature range depending on cable quality Important installation notes Anterioric Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard installation (2able vire arrangement brown, black, blue Sable Identification 010 Installation Cable vire arrangement brown, black, blue Sable Identification 010 Installation Salves with standard Salves with sta | | <u>'</u> |
| Cooling tocking Nickeled Asterial gasket FKM Cooling anskers FKM Counting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. Operating temperature min. Operating temperature max. 85 °C Controlling temperature max. S5 °C Controlling temperature max. Otio on bending radius Controlling Asterial (Asterial Cooling and Cooling | Mechanical data Material data | |
| 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 Cable Culture Vire arrangement brown, black, blue Cable Weight 29,37 g/m Attential jacket PVC Vire arrangement brown, black, blue Cable Weight 29,37 g/m Attential jacket PVC Vire arrangement brown, black, blue Cable Weight 29,37 g/m Attential jacket PVC Vire arrangement brown, black, blue Cable Weight 29,37 g/m Attential jacket PVC Vire arrangement brown, black, blue Collerance outer diameter (sheath) ± 5 % Attential wire insulation PVC Vire diameter (jacket) sead-free, cadmium-free, CFC-free, silicone-free Vire diameter (jacket) 5 % Attential wire insulation 45 x 5 Shore D Attential conductor wire wire insulation 45 x 5 Shore D Attential conductor wire wire insulation 45 x 5 Shore D Attential conductor wire wire insulation 45 x 5 Shore D Attential conductor wire 5 x 5 Shore D Atte | 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 Standerlal properties wire insulation 1,25 mm Duter diameter folerance core insulation 1,25 mm Jameter of single wires 0,15 mm Jameter of single wires 0,15 mm Jameter of single wires Onductor type (wire) Strand class 5 Stand class 5 Lorent tool capacity (wire) Strand class 5 Lorent tool capacity (wire) Lorent tool capacity (| Environmental characteristics Climatic | |
| diditional 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Torduct standard DIN EN 61076-2-114 (M8) Installation Cable Vire arrangement brown, black, blue 2able identification 010 2able identification 010 2able (Color yellow Cultificate | Operating temperature min. | -30 °C |
| 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, sillcone-free Viuer diameter (jacket) 4,5 mm Collerance outer diameter (sheath) 25 % Attential wire insulation PVC William Hilliam 4 & 5 % Attential wire insulation good machinability Jouer diameter insulation good machinability Jouer diameter risulation lead-free, cadmium-free, CFC-free, sillcone-free Voluer diameter insulation good machinability Jouer diameter risulation lead-free, cadmium-free, CFC-free, sillcone-free Voluer diameter insulation good machinability Jouer diameter risulation lead-free, cadmium-free, CFC-free, sillcone-free Voluer diameter insulation good machinability Jouer diameter of single wires 0,15 mm Jouer diameter of sing | 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, sillcone-free Viuer diameter (jacket) 4,5 mm Collerance outer diameter (sheath) 25 % Attential wire insulation PVC William Hilliam 4 & 5 % Attential wire insulation good machinability Jouer diameter insulation good machinability Jouer diameter risulation lead-free, cadmium-free, CFC-free, sillcone-free Voluer diameter insulation good machinability Jouer diameter risulation lead-free, cadmium-free, CFC-free, sillcone-free Voluer diameter insulation good machinability Jouer diameter risulation lead-free, cadmium-free, CFC-free, sillcone-free Voluer diameter insulation good machinability Jouer diameter of single wires 0,15 mm Jouer diameter of sing | 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 Wire arrangement Brown, black, blue Cable identification 010 Cable identification 010 Cable identification 010 Carrificate cURus Amount stranding 1 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable weight 29,37 g/m Attential jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 14,5 mm Colerance outer diameter (sheath) ± 5 % Attential wire insulation PVC Amount wires 3 Dutler diameter tolerance core insulation 1,25 mm Dutler diameter tolerance core insulation 1,25 mm Dutler diameter tolerance core insulation 1,25 mm predefinit freeness wire insulation 1,45 mm predefinit freeness wire insulation 1,45 mm prediction from the core insulation 1,45 mm puter diameter tolerance core insulation 1,25 mm Dutler diameter insulation 1,25 mm prediction freeness wire insulation 1,45 mm prediction freeness wire insulation 1,45 mm Conductor crosssection (wire) 1,4 Diameter of single wires 0,15 mm Conductor crosssection (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Command voltage AC max. 300 V Current load capacity min. wire 4,5 A | • | Protect the connectors by suitable measures from mechanical leads a g, by the usage of cable tice |
| 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) |
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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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| 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 Nominal voltage AC max. 300 V 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 0,15 mm 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 | Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, silicone-free |
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| 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 |



| 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 |