

M8 male 90° / M8 female 90° A-cod. LED

PVC 3x0.25 gy UL/CSA 1.5m

Male 90° - female 90°

M8 - M8, 3-pole

 $2 \times$ LED (PNP), (NPN) on request

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

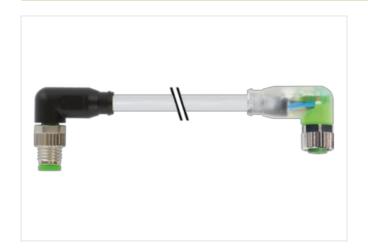
Further cable lengths on request.

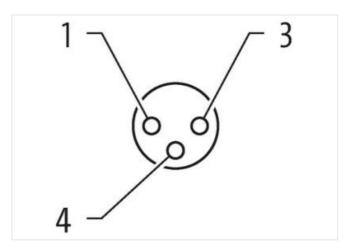
Plastic housings with good resistance against chemicals and oils.

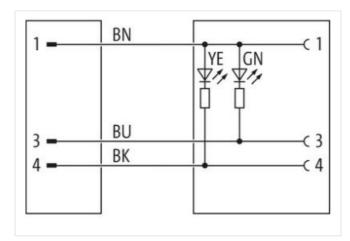
The resistance to aggressive media should be individually tested for your application. Further details on request.

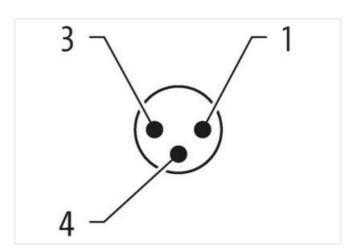
Link to Product

Illustration



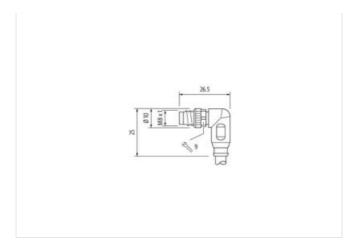


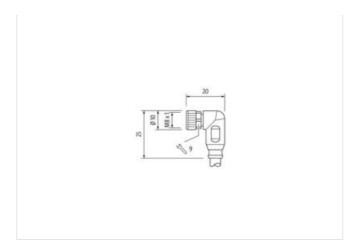






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Product may differ from Image











| Cable length | 1,5 m |
|---|---------------|
| Side 1 | |
| Tightening torque | 0,4 Nm |
| Family construction form | M8 |
| Thread | M8 x 1 |
| suitable for corrugated tube (internal Ø) | 6,5 mm |
| Width across flats | SW9 |
| Side 2 | |
| Tightening torque | 0,4 Nm |
| Thread | M8 x 1 |
| 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 |
| GTIN | 4048879125475 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage DC | 24 V |
| Operating voltage DC min. | 18 V |
| Operating voltage DC max. | 30 V |
| Operating voltage DC max. (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| Diagnostics | |
| Status indication LED | green, yellow |
| Device protection Electrical | |



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| Auditional condition projection degree insertied, serviewed volution Dupries 3 3 Authorisian Dupries 3 Authorisian Dupries 4 Authorisian Dupries 5 BUR Authorisian Dupries 6 BUR Authorisian Dupries Authorisian Duprie | Degree of protection (EN IEC 60529) | IP65, IP67, IP68, IP66K |
|--|--|--|
| Tableton Degree 3 Alterdard group (EEG 60664-1) Mechanical data Material data Mechanical data Material data Mechanical data Material data Material proup (EEG 60664-1) Mechanical data Material data Zonding locking Alternative Alternative Mechanical data Mounting data Mounting method Protect the consideration Alternative Chieve Mounting method Mounting method | | |
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| Mechanical data Material data Mickeled Nickeled PIR Other Mechanical data Mounting data Variety of de-ceding Variety | | · · · · · · · · · · · · · · · · · · · |
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| Asterial housing PUR Activities housing Ziro de-casting Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Spearaing temperature min. -25 °C | · | |
| Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Diperating temperature min. 28 °C See C See C | Coating locking | |
| Mochanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bendring radii when laying cables, as the IP protection class can be endangered by excessive bendring forces. Conformity Product standard DIN EN 61076-2-114 (M8) Installation Cable Vire arrangement brown, black, blue Sable Stendification 210 Sable Stend | | |
| International Common | Locking material | Zinc die-casting |
| Environmental characteristics Climatic Deparating temperature min25 °C Deparating temperature max. 85 °C diditional condition temperature range depending on cable quality Important installation notes Vote on stain rotied 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 vitor arrangement brown, black, blue Zable identification 210 Zable 17ype 1 1 3 schet Color gray yee of Certificate cUffus Xmount stranding 1 1 Stranding 3 wires twisted vitor arrangement brown, black, blue Zable vegith 29,37 g/m Attential jacket PVC Shore hardness jacket 85 ± 5 Shore A **Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter diameter (jacket) 45 ± 5% Shore D Jouer diameter (jacket) 55 Shore D Jouer diameter (jacket) 1,25 mm Duter diameter (jacket | Mechanical data Mounting data | |
| Operating temperature min. -25 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Operating temperature max. 45 °C Opera | Mounting method | inserted, screwed, Shaking protection |
| perating temperature max. 85 °C depending on cable quality important installation notes of depending on cable quality 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 Triver arrangement brown, black, blue Cable identification 210 Cable Type 1 Sale identification 2 Capture 1 Cable identification 2 Capture 2 | Environmental characteristics Climatic | |
| 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 2able identification 2 1 1 1 1 1 1 1 1 1 1 1 1 1 | Operating temperature min. | -25 °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 Wire arrangement brown, black, blue Cable identification 210 Zable Type 1 Cable identification 210 Zable Type 1 Stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable identification 210 Zable Type 1 Attential through the stranding 1 Stranding 1 Stranding 2 Attential picket PVC Shore arrangement brown, black, blue Cable identification 210 Attential through the stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable identification 257 g/m Attential picket PVC Attential picket PVC Continued the stranding 1 Continued the stranding 253.7 g/m Attential picket PVC Attential picket PVC Attential picket 15 % Attential wire insulation PVC Attential three insulation poor machination properties were insulation poor machination properties were insulation good machination; properties we | Operating temperature max. | 85 °C |
| Attention: Observe the permissible bending radiu 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 Virie arrangement brown, black, blue Zable Type 1 Zable Weight 2 Zable Weight 29,37 g/m Zable Weight 29,37 | Additional condition temperature range | depending on cable quality |
| Attention: Observe the permissible bending radiu 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 Virie arrangement brown, black, blue Zable Type 1 Zable Weight 2 Zable Weight 29,37 g/m Zable Weight 29,37 | 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 | • | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties |
| A | | |
| Product standard DIN En 61076-2-114 (MB) | Note on bending radius | |
| Installation Cable brown, black, blue Zable identification 210 Zable Type 1 Jacket Color gray Type of Certificate cURus Whount stranding 1 Stranding 3 wires twisted View earrangement brown, black, blue Zable weigth 29,37 g/m Atterfal 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 Olderance outer diameter (sheath) ± 5 % Attential writers 3 Duter diameter insulation PVC Amount wires 3 Duter diameter tolerance core insulation ± 5 % Afterial properties wire insulation 4 5 ± 5 Shore D Afterial properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Whount strands (wire) 14 Diameter of single wires 0,15 mm Ondu | Conformity | |
| vire arrangement brown, black, blue Cable identification 210 Cable Type 1 Lacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted vire arrangement brown, black, blue Sable weight 29,37 g/m Material jacket PVC Shore Andress jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Public diameter (jacket) 4,5 mm Follerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Duter diameter insulation PVC Amount wires 3 Duter diameter insulation 1,25 mm User of insulation 45 ± 5 Shore D Alaterial properties wire insulation 45 ± 5 Shore D Alaterial properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation < | Product standard | DIN EN 61076-2-114 (M8) |
| Cable identification 210 Zable Type 1 Laket Color gray Type of Certificate cURus Immount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Zable 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 Voler-ance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Duter diameter tolerance core insulation 1,25 mm Under diameter tolerance core insulation 45 ± 5 Shore D Alaterial properties 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 Oiameter of single wires 0,15 mm Oranductor crossection (wire) 0,25 mm² <td>Installation Cable</td> <td></td> | Installation Cable | |
| Cable Type 1 Jacket Color gray Uppe of Certificate cURUS Mount stranding 1 Stranding 3 wires twisted vire arrangement brown, black, blue Zable 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 Follorance outer diameter (shealth) ± 5 % Material wire insulation PVC Autori diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability oppredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Mount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Jaterial conductor wire Strand class 5 Conductor (yee (wire) Strand class | wire arrangement | brown, black, blue |
| Acceptable Color Gray Curtificate CURIUS | Cable identification | 210 |
| Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted vire arrangement brown, black, blue 2able weight 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 Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Duter diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Adaterial 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 Adaterial zonductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Cor | Cable Type | 1 |
| Amount stranding 1 Stranding 3 wires twisted vire 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 Follogrance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D 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 Adaterial conductor wire Strand class 5 Confuctor type (wire) Strand class 5 Adminimized of single wires 0 DIN VDE 0298-4 | Jacket Color | gray |
| Stranding 3 wires twisted brown, black, blue 29,37 g/m Alaterial 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 Diolerance outer diameter (sheath) ± 5 % Anaterial wire insulation PVC Amount wires 3 Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D 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 Alaterial 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 | Type of Certificate | cURus |
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| 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 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D 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 Common load capacity (standard) to DIN VDE 0298-4 Courrent load capacity min. wire 4,5 A | Cable weigth | 29,37 g/m |
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| Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ±5 % Shore hardness wire insulation 45 ± 5 Shore D 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A | Material wire insulation | PVC |
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| 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 Nominal 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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| 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 |
| Conductor crosssection (wire) O,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 |



| 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 UL 1581 § 1090 IEC 60332-2-2 |
| 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 |