

M12 male 0° / M12 female 90° A-cod. LED

PUR 5x0.34 bk UL/CSA+drag ch. 1.5m

Male straight – female 90° M12 – M12, 5-pole 3× LED (PNP), (NPN) on request Art-No. 7005 - M12 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

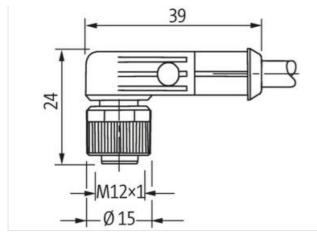


41 0 12 12 12 12 12 12 12 Male Female $4 \underbrace{5}_{1} \underbrace{5}_{2} \underbrace{3}_{2} \underbrace{0}_{2} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{2} \underbrace{0}_{2} \underbrace{0}_{1} \underbrace{0} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{1}$

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Product may differ from Image

| | only for products with UL/CSA approved able |
|---|--|
| Form | 40363 |
| Technical Data | |
| | |
| Operating voltage Operating voltage (vnly UL listed) | 30 V DC |
| | 0.8 kV |
| Rated surge voltage | |
| Operating current per contact No. of poles | max, 4 A |
| | |
| Material group Coding | IEC 60664-1, category I |
| LED display | green, vellow, red |
| Locking of ports | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Material | PUR |
| Locking material | Zinc die casting, matte nickel plated |
| suitable for compated tube (internal Ø) | 10 mm |
| Compression gland | M12 (SW13) |
| General data | |
| Mounting method | inderted, tightened |
| Pollution Degree | 3 |
| Temperature range | -25+85 °C, depending on cable quality |
| Cables | |
| No./diameter of wires | 5× 0.34 mm² |
| Wire isolation | PP (br, wh, bl, bk, gnye) |
| C-track properties | 10 Mio. |
| Outer Ø | 4.8 mm ±5% |
| Cable identification | 635 |
| Cable Type | 3 (PUR) |
| Approval (cable) | cURus (AWM-Style 20549/10493); CE conform |
| Cable weight [g/m] | 41,8 g |
| Material wire | Cu wire, bare |
| Resistor (core) | max. 57 Ω/km (20 °C) |
| Single wire Ø (core) | 0.1 mm |

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| Cable babling see frame delivery specifications 7000-0000-001 Diameter (core) 5× 0.34 mm² AWG similar to AWG 22 Material wire isolation PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Q incl. isolation 1.25 mm ±5% Colorizombering of wires br, bk, bl, wh, grye longitudinally striped Stranding combination 5 wires twiste around central filler Sineid no Material jacket PUR Material property (jacket) 2FC, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrohysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.8 mm ±5% Color jacket black Jacket Color black Chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) Itermal resistance flacket 1000 (H), CSA FT2 / IEC 60332-2:2 Nominal voltage 300 V AC Carrent load capabity to DI IVDE 0298-4 Temperature range (mobi | Construction (core) | 42× 0.1 mm (multi-strand wire class 6) |
|---|------------------------------------|---|
| AWG similar to AWG 22 Material property (wire isolation) PP Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ± 5 D Wire-O incl. isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh, grye longitudinally striped Stranding combination 5 wires twisted around central filler Shoid no Material jacket PUR Material jacket PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolydis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 4.8 mm ±5% Color jacket black Jacket Color black Jacket Color black Shore hardness (filed) 300 V AC Test voltage 2500 V AC Current load capacity to DIN VDE 0296-4 Temperature range (fixed) -40480 °C Temperature range (fixed) 5480 °C Temperature range (fixed) 5 | Cable labeling | see frame delivery specifications 7000-00000-001 |
| Material wire isolation PP Material property (wire isolation) CFC, halogen, cadmium, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-Gincl, Isolation 1.25 mm ±5% Color/numbering of wires br, bk, bl, wh, gnye longitudinally striped Stranding combination 5 wires twisted around central filler Shoild no Material jacket PUR Material property (jacket) CFC, halogen, cadmium, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Color jacket black Jacket Color black Jacket Color black Jacket Color black Jacket Color black Test voltage 2500 V AC Current Load capacity to DIN VDE 028-4 Temperature range (fixed) -40+80 °C Temperature range (fixed) 40+80 °C Temperature range (mobile) -25+80 °C Temperature range (fixed) 50. outer Ø Bend radius (moving) 10× outer Ø | Diameter (core) | 5× 0.34 mm ² |
| Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 70 ±5 D Wire-3 on L. isolation 1.25 mm ±5% Color/numbering of wires br. bk. bl. wh, my program the striped Stranding combination 5 wires twisted around central filler Shield no Material jacket PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-0 (jacket) 43 mm ±5% Color jacket black Jacket Color black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) Itame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2:2 Nominal voltage 300 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (fixed) 5 - outer Ø Bend radius (fixed) 5 - outer Ø Bend radius (fixed) 5 - outer Ø | AWG | similar to AWG 22 |
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| Shield no Material jacket PUR Material jacket PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 4.8 mm ±5% Color jacket black Jacket Color black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance filame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2 Nominal voltage 300 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Temperature range (fixed) -40+80 °C Temperature range (mobile) -25+80 °C Temperature range (mobile) -25+80 °C Temperature range (mobile) -25+80 °C Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s ² | Color/numbering of wires | br, bk, bl, wh, gnye longitudinally striped |
| Material jacket PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 4.8 mm ±5% Color jacket black Jacket Color black Jacket Color black Outer-Ø (jacket) 900 ± 51 A Outer-Ø (jacket) black Jacket Color black Jacket Color black Outer-Ø (jacket) 900 ± 51 A Vominal veitage good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2 Nominal voltage 300 V AC Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Temperature range (fixed) -40+80 °C Temperature range (mobile) -25+80 °C Temperature range (mobile) -25+80 °C Temperature range (mobile) -25+80 °C C Temperature range (mobile) -25 | Stranding combination | 5 wires twisted around central filler |
| Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 4.8 mm ±5% Color jacket black Jacket Color black Urrent load capacity to all passifies of the estimate Temperature range (fixed) -40+80 °C Temperature range (fixed) -40+80 °C (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C Temperature range (mobile) -25+80 °C Temperature range (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø No. of bending cycles (C-t | Shield | no |
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| Outer-Ø (jacket)4.8 mm ±5%Color jacketblackJacket Colorblackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2Nomial voltage300 V ACTest voltage2500 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °CTemperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | Material property (jacket) | |
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| Nominal voltage300 V ACTest voltage2500 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °CTemperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | chemical resistance | good resistance to oil, gasoline and chemicals (EN 60811-404) |
| Test voltage2500 V ACCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-40+80 °CTemperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °CTemperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | thermal resistance | flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2 |
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| Temperature range (fixed)-40+80 °CTemperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °CTemperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | Test voltage | 2500 V AC |
| Temperature range (fixed)-40+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °CTemperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | Current load capacity | to DIN VDE 0298-4 |
| Temperature range (mobile)-25+80 °CTemperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 10 m/s²Acceleration (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | Temperature range (fixed) | -40+80 °C |
| Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)5× outer ØBend radius (moving)10× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 3 m/sAcceleration (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | Temperature range (fixed) | -40+80 °C, (+90 °C at max. 10 000 operating hours) |
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| Bend radius (moving)10× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 10 Mio. (25 °C)Travel speed (C-track)max. 3 m/sAcceleration (C-track)max. 10 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min | Temperature range (mobile) | -25+80 °C, (+90 °C at max. 10 000 operating hours) |
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| No. of bending cycles (C-track) max. 10 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min | Bend radius (moving) | 10× outer Ø |
| Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 10 m/s ² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min | Bend radius (moving) | 10× outer Ø |
| Acceleration (C-track) max. 10 m/s ² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min | No. of bending cycles (C-track) | max. 10 Mio. (25 °C) |
| Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min | Travel speed (C-track) | max. 3 m/s |
| No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min | Acceleration (C-track) | max. 10 m/s ² |
| Torsion speed 35 cycles/min | Torsion stress | ±180°/m |
| | No. of torsion cycles | max. 2 Mio. (25 °C) |
| Material jacket PUR (UL/CSA) | Torsion speed | 35 cycles/min |
| | Material jacket | PUR (UL/CSA) |

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: 2024-05-18

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