

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

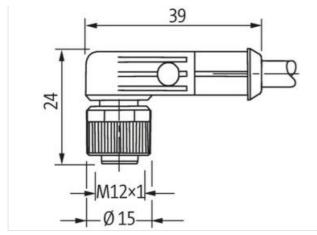


41 0 12 12 12 12 12 12 12 Male Female $4 \underbrace{5}_{1} \underbrace{5}_{2} \underbrace{3}_{2} \underbrace{0}_{2} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{2} \underbrace{0}_{2} \underbrace{0}_{1} \underbrace{0} \underbrace{0}_{1} \underbrace{0}_{1} \underbrace{0}_{1}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

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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
Shore hardness (wire isolation) 70 ±5 D Wire-Q incl. isolation 1.25 mm ±5%. Color/numbering of wires br, bk, bl, wh, grue longitudinally 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 Color /acket black Jacket Color black Jacket Color black Jacket Color black Cuter-Q (jacket) 300 V AC Test voltage 2500 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×+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) 5×+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (moving) 10× outer Ø <td< td=""><td>Material wire isolation</td><td>PP</td></td<>	Material wire isolation	PP
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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
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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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Bend 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	Bend radius (fixed)	5× outer Ø
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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)

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