

M12 MALE 0° / M12 FEMALE 90° LED

PUR 3X0.34 GRAY, UL/CSA, drag ch 1.5m

Male straight – female 90°
M12 – M12, 3-pole
2× LED (PNP), (NPN) on request
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

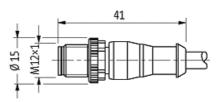
Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

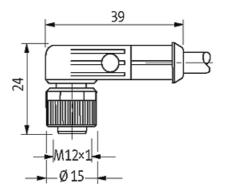
Link to Product

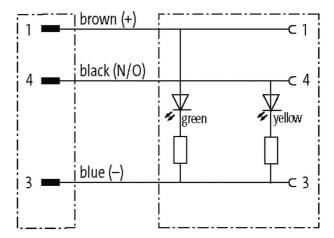
Illustration











Male

Female





Product may differ from Image

Approvals



* only for products with UL/CSA approved cable

cCSAus

Form



Form	40321
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Outer-Ø (jacket) Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 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 (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø	Cables	
Wite solidation PP (br. bl. bk) Milational (glowels) PUR (ULCSA) Coller O 4.1 mm 25% Bend radius (moving) 10 x outer O Temperature range (fixed) -4080 °C Temperature range (mobile) -2580 °C Cable identification 233 Cable identification 239 Approval (cable) cPU w/MM Style 2054910493); CE conform Approval (paid) (green) 29,70 Material (wire) Cu wire, bare Realistor (cone) max. 57 13 km (20 °C) Single wire (Octore) 0.1 mm Construction (core) 42 x 0.1 mm (multi-strand wire class 8) Diameter (corte) 3 x 0.34 mm² AWKG similar to AWK3 22 Material property (wire isolation) CPC - halogen-, cadmium-, silicone- and lead-free Wire do incl. isolation 1.25 mm 5% Colorizombering of wires br, bk bl Silicone hardness (wire isolation) 70 ± 5 D Wire do incl. isolation 1.25 mm 5% Colorizombering of wires br, bk bl Silicone hardness (glocker) PU	No./diameter of wires	3× 0.34 mm²
Material (jacker)	C-track properties	10 Mio.
Outer 0 4.1 mm ±5 % Bend radius (moving) 10 × outer 0 Temperature range (fixed) -40 - 80 °C Temperature range (mobile) -25 - 80 °C Cabbie identification 233 Cabbie velopting (mobile) -25 - 80 °C Approval (cable) CRUlus (AMM-Style 205491 0493); CE conform Cabbie velipting (min) 28 70 Material (wine) Curvin, barro Resisten (core) max 57 (20 km (20 °C) Single wire 0 (core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 8) Diameter (core) 3 × 0.34 mm² AWO similar to AWG 22 Material (wire isolation) PP More administry (wire isolation) PP Wire- Oincl. isolation 1.25 mm ±5% Color/unmberring of wires br, br, br, br Shriedt no CrC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Material (pocher) PUR Material (pocher) PUR Material (pocher) 4	Wire isolation	PP (br, bl, bk)
Denot radius (moving)	Material (jacket)	PUR (UL/CSA)
Temperature range (Rede)	Outer Ø	4.1 mm ±5%
Temperature range (nobile)	Bend radius (moving)	10× outer Ø
Cable Identification 233 Cable Type 3 (PUR) Approval (cable) cRUUs (AWM-Style 20549/10493); CE conform Cable weight [g/m] 29.70 Material (wire) Cu wire, bare Resistor (core) max. 57 (DM; 20° °C) Single wire Ø (core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 3- 0.34 mm² AWG similar to AWG 22 Material (wire location) CPC PP Material (wire location) Vier Gincl. Isolation 1.25 mm ±5% Collor/murbering of wires Dr. bk, bl Shield no Material (glocker) PUR Material (glocker) PUR Material (glocker) PUR Material property (glocket) CPC-halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrolysis and microbial resistant Shield no Material property (glocket) CPC-halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrolysis and microbial resistant Shield	Temperature range (fixed)	-40+80 °C
Cable Identification 233 Cable Type 3 (PUR) Approval (cable) cRUUs (AWM-Style 20549/10493); CE conform Cable weight [g/m] 29.70 Material (wire) Cu wire, bare Resistor (core) max. 57 (DM; 20° °C) Single wire Ø (core) 0.1 mm Construction (core) 42 × 0.1 mm (multi-strand wire class 6) Diameter (core) 3- 0.34 mm² AWG similar to AWG 22 Material (wire location) CPC PP Material (wire location) Vier Gincl. Isolation 1.25 mm ±5% Collor/murbering of wires Dr. bk, bl Shield no Material (glocker) PUR Material (glocker) PUR Material (glocker) PUR Material property (glocket) CPC-halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrolysis and microbial resistant Shield no Material property (glocket) CPC-halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant. hydrolysis and microbial resistant Shield		-25+80 °C
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chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 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 (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø 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/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Outer-Ø (jacket)	4.1 mm ±5%
thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 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 (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø 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/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Color (jacket)	gray
Nominal voltage 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 (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø 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/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
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 (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø 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/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	thermal resistance	flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Current load capacity to DIN VDE 0298-4 Temperature 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) Bend radius (fixed) 5× outer Ø 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/s² Torsion stress ±180 °/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Nominal voltage	300 V AC
Temperature 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) Bend radius (fixed) 5× outer Ø Bend radius (moving) 10× outer Ø Mo. 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 Jacket Color gray	Test voltage	2500 V AC
Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 5× outer Ø 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/s² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed) 5× outer Ø 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/s² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Temperature range (fixed)	-40+80 °C, (+90 °C at max. 10 000 operating hours)
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/s² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
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 Jacket Color gray	Bend radius (fixed)	5× outer Ø
Travel speed (C-track) Acceleration (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 Jacket Color gray	Bend radius (moving)	10× outer Ø
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 Jacket Color gray	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 Jacket Color gray	Travel speed (C-track)	max. 3 m/s
No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Jacket Color gray	Acceleration (C-track)	max. 10 m/s²
Torsion speed 35 cycles/min Jacket Color gray	Torsion stress	±180°/m
Torsion speed 35 cycles/min Jacket Color gray	-	
Jacket Color gray	·	
Technical Data	· · · · · · · · · · · · · · · · · · ·	
	Technical Data	



Operating voltage	24 V DC ±25%
Operating voltage (only UL listed)	max. 30 V DC
Operating current per contact	max. 4 A
Material group	IEC 60664-1, category I
LED display	(yellow/green)
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal \emptyset)	10 mm
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25+85 °C, depending on cable quality
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879171151
eClass	27279218
Packaging unit	1