

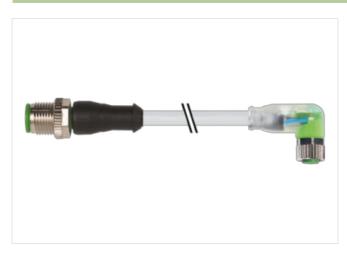
M12 male 0° / M8 female 90° A-cod. LED

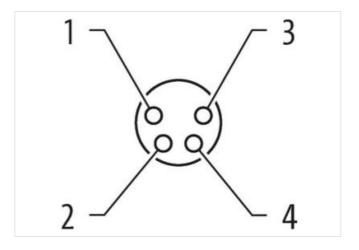
PUR 4x0.25 gy UL/CSA 1m

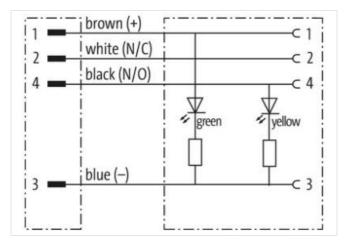
Male straight – female 90° M12 – M8, 4-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

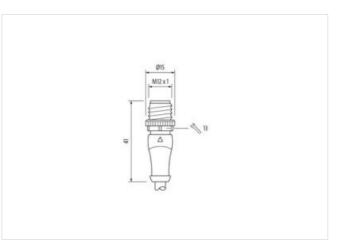
Link to Product

Illustration



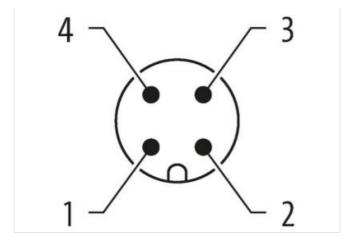


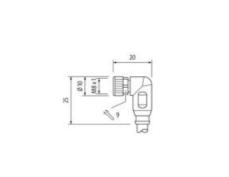




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Product may differ from Image



Cable length	1 m
Side 1	
Tightening torque	0.6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
	10 mm
suitable for corrugated tube (internal Ø) Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	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-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879550352

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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
	green, yenow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
Conformity	
Conformity Product standard	DIN EN 61076 2 101 (M12), DIN EN 61076 2 114 (M2)
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 221
Product standard Installation Cable Cable identification Cable Type	
Product standard Installation Cable Cable identification Cable Type Jacket Color	221 2 gray
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate	221 2 gray cURus
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	221 2 gray cURus 1
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	221 2 gray cURus 1 4 wires twisted
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	221 2 gray cURus 1 4 wires twisted brown, black, blue, white
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track)	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	221 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	221 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	221 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 %
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 % PVC
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 % PVC 4
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 % PVC 4 1,25 mm
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 % PVC 4 1,25 mm ± 5 %
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Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 % PVC 4 1,25 mm ± 5 % 43 ± 5 Shore D good machinability
Product standard Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	221 2 gray cURus 1 4 wires twisted brown, black, blue, white 2 Mio. @ 25 °C 32,01 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,6 mm ± 5 % PVC 4 1,25 mm ± 5 % 43 ± 5 Shore D good machinability lead-free, cadmium-free, CFC-free, silicone-free
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Conductor crosssection (wire)	0,25 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3,6 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	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	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter

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