

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

PVC 4x0.34 ye UL/CSA 10m

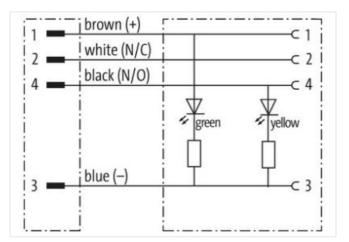
Male straight – female straight M12 – M12, 4-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further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

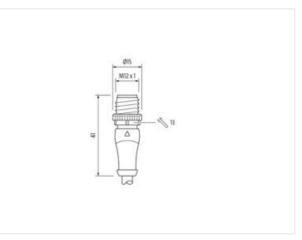
## Link to Product

Illustration





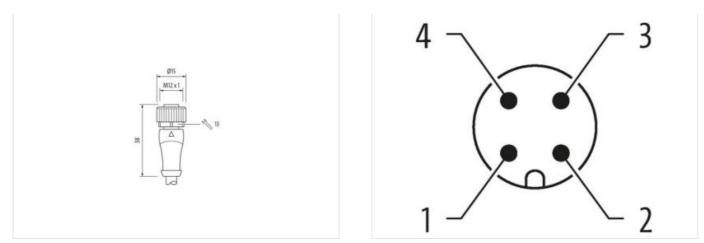




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Product may differ from Image



Cable length	10 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	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	4048879440011

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## Electrical data | Supply

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
Installation   Connection	g. oo., , jonon
Mounting set Device protection   Electrical	M12 x 1
•	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
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.	85 °C
Additional condition temperature range	depending on cable quality
Additional condition temperature range	depending on cable quality
O	
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
-	DIN EN 61076-2-101 (M12)
Product standard	DIN EN 61076-2-101 (M12) 014
Product standard Installation   Cable	
Product standard Installation   Cable Cable identification	014
Product standard Installation   Cable Cable identification Cable Type	014 1
Product standard Installation   Cable Cable identification Cable Type Jacket Color	014 1 yellow
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	014 1 yellow cURus
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	014 1 yellow cURus 1
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	014 1 yellow cURus 1 4 wires twisted
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	014 1 yellow cURus 1 4 wires twisted brown, black, blue, white
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	014 1 yellow cURus 1 4 wires twisted brown, black, blue, white 40,7 g/m
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	014 1 yellow cURus 1 4 wires twisted brown, black, blue, white 40,7 g/m PVC
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         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 Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 mm
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 mm         ± 5 %
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 mm         ± 5 %         PVC
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 mm         ± 5 %         PVC         4
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement 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	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 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 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	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 mm         ± 5 %         PVC         4         1,25 mm         ± 5 %
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement 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 Shore hardness wire insulation	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 mm         ± 5 %         PVC         4         1,25 mm         ± 5 %         45 ± 5 Shore D
Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement 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	014         1         yellow         cURus         1         4 wires twisted         brown, black, blue, white         40,7 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5 mm         ± 5 %         PVC         4         1,25 mm         ± 5 %         45 ± 5 Shore D         good machinability

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Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 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	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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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