

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

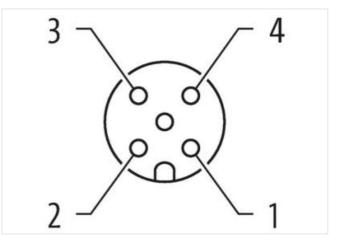
PUR 4x0.34 gy UL/CSA+robot+drag ch. 5m

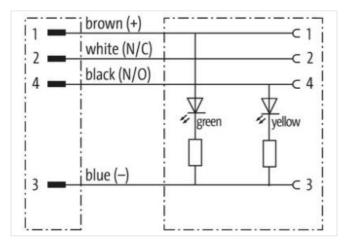
Male straight – female straight M12 – M12, 4-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further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

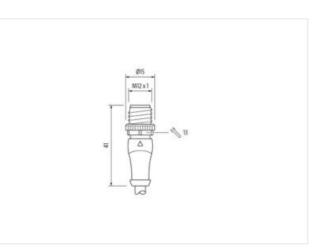
## Link to Product

Illustration



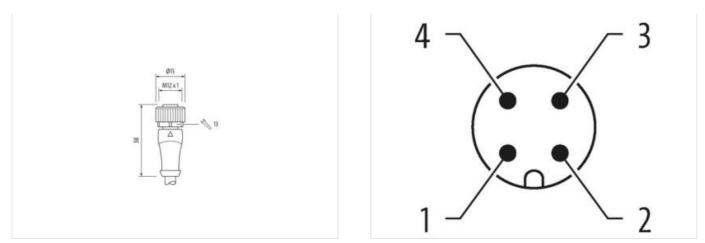






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Product may differ from Image



Cable length	5 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 $\emptyset$ )	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	4048879640039
Packaging unit	1

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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	
Mounting set	M12 x 1
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	safe-cover coated
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	254
Cable Type	5
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	
wire arrangement	4 wires twisted
	4 wires twisted brown, black, blue, white
No. of bending cycles (C-track)	
No. of bending cycles (C-track) Cable weigth	brown, black, blue, white
	brown, black, blue, white 10 Mio. @ 25 °C
Cable weigth	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m
Cable weigth Material jacket	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR
Cable weigth Material jacket Shore hardness jacket	brown, black, blue, white           10 Mio. @ 25 °C           36,3 g/m           PUR           58 ± 3 Shore D
Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm
Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free 4,7 mm ± 5 %
Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP
Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free 4,7 mm ± 5 % PP 4
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	brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,7 mm ± 5 % PP 4 1,25 mm
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	brown, black, blue, white           10 Mio. @ 25 °C           36,3 g/m           PUR           58 ± 3 Shore D           lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           4,7 mm           ± 5 %           PP           4           1,25 mm           ± 5 %
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	brown, black, blue, white           10 Mio. @ 25 °C           36,3 g/m           PUR           58 ± 3 Shore D           lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           4,7 mm           ± 5 %           PP           4           1,25 mm           ± 5 %           74 ± 3 Shore D

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Conductor crosssection (wire)	0,34 mm²
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	4,8 A
Electrical resistance line constant wire	60 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m

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