

## M12 female 0° A-cod. with cable LED

PUR 3x0.34 gy UL/CSA 5m

## **⚠ NOTICE ⚠** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female straight M12, 3-pole 2× LED (PNP)

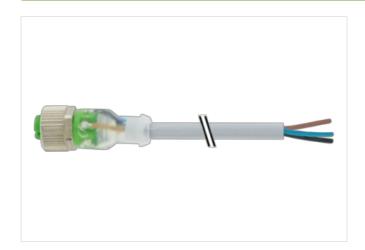
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

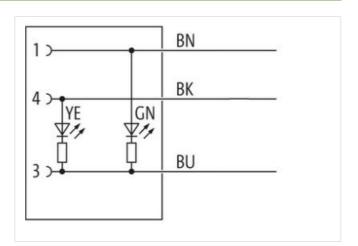
Plastic housings with good resistance against chemicals and oils.

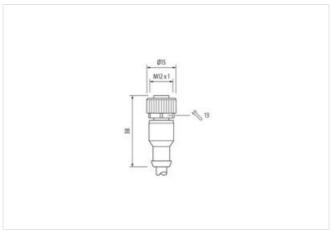
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

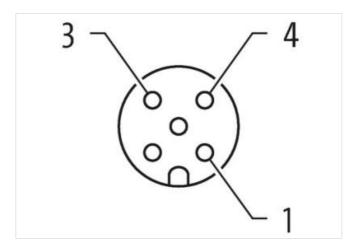
## **Link to Product**

## Illustration









Product may differ from Image













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Family construction form M12 Thread M12 x 1 Thread M12 x 1 Mattrian M12 x 1 Mattrian M12 x 1 Mattrian M12 x 1 Mattrian M2 x 1	Cable length	5 m
Mounting method         inserted, screwed           Family construction from         M12           Framed         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across filets         SW13           Degree of protection (EN IEC 60529)         IP65, P66K, IP67           Commercial data         PECLASS-6.1         27279218           ECLASS-6.2         27279218         P66, P66K, IP67           CASS-8.6.1         27279218         P61, P66K, IP67           ECLASS-8.0         27978218         P61, P66K, IP67           ECLASS-8.0         27978218         P61, P66K, IP67           ECLASS-9.0         2779218         P61, P66K, IP67           ECLASS-9.0         2798031         P61, P66K, IP67           ECLASS-12.0         2798031         P61, P66K, IP67           ECLASS-12.0         2798031         P61, P66K, IP67           Peckage punk         1         P61, P66K, IP67           Peck	Side 1	
Family construction form M12 minusible for corrogated tube (internal O) 10 mm Cocling A Material PUR Worth across flats SW13 Degree of protection (ENIEC 60529) IPSS, IPSSK, IPS7 Commercial data ECLASS-6.0 2772918 ECLASS-6.0 2772918 ECLASS-7.0 2772918 ECLASS-8.0 2772918 ECLASS-8.0 2772918 ECLASS-8.0 2772918 ECLASS-8.0 2772918 ECLASS-9.0 27060311 ECLASS-11 27060311 ECLASS-10.1 27060311	Tightening torque	0,6 Nm
Treed	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Widh acoss flats         SW13           Degree of protection (EN IEC 60529)         PB8, P66K, IP67           Commercial dats         W12           ECLASS 6.0         27278218           ECLASS 7.0         27278218           ECLASS 8.0         27278218           ECLASS 9.0         27606311           ECLASS 9.0         27606311           ECLASS 10.1         27060311           ECLASS 11.0         27060311           ECLASS 12.0         27060311           ECLASS 12.0         27060311           ETIM 5.0         ECO9185           GIN         4048879210287           Packaging unit         1           Electrical data [ Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Device protection [ Flectrical	Family construction form	M12
Coding	Thread	M12 x 1
Material         PUR           Wiltidh across flats         SW13           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.8.0         27060311           ECLASS-1.9.0         27060311           ECLASS-1.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1         1           Exercise author across an exercise across across across across across acr	suitable for corrugated tube (internal Ø)	10 mm
With across flats         SW13           Degree of protection (ENIEC 60529)         PBS, IP68K, IP67           Commercial data         PBS, IP68K, IP67           ECILASS-6.0         27279218           ECILASS-6.1         2779218           ECILASS-7.0         27279218           ECILASS-8.0         277060311           ECILASS-8.0         27060311           ECILASS-1.1         27060311           ECILASS-1.2.0         27060311           ECILASS-1.3.0         ECO01855           Customs saff number         85444290           GTIN         40487210287           Packaging unit         1           Electrical data I Supply         Packaging unit           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Blassifiation LEB         green, yellow           Installation   Connection         Mounting set           Mounting set         Installation   Connection   Electrical	Coding	A
Degree of protection (EN IEC 60529)	Material	PUR
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-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff rumber         8544290           GTIN         4048879210287           Packaging unit         1           Electrical data   Supply           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics         3           Status indication LED         green, yellow           Installation   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical         Additional protection degree           Pollution Degree         3           Rated surge voltage         0.8 kV           Macherial group (IEC 60664-1)         1           Mechanical	Width across flats	SW13
ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27060311           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECHASS-12.0         27060311           Carlon Suffer fumber         8544290           GTIN         4048879210287           Packaging unt         1           Electrical data   Supply         V           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics         Status indication LED           Status indication LED         green, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollutio	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-6.1 2779218 ECLASS-7.0 2779218 ECLASS-9.0 2779218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ETIM-5.0 ECO01855 CUBSS-11.1 27060311 ETIM-5.0 ECO01851 EVENTOR THE TIM-5.0 ECO0	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27260311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27080311           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879210287           Packaging unR         1           Electrical data   Supply         1           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max. (UL-listed)         30 V           Operating per contact max.         4 A           Diagnostics         Status indication LED           Installation   Connection         Mulx x 1           Device protection   Electrical           Additional contition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV	ECLASS-6.0	27279218
ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ECLASS-12.0 17060311  EVERTIM-5.0 1 17060311  EVERTIM-5.0 17060311  EVERTIM-5.0 1 1706031  EVERTIM-5.0 1 170	ECLASS-6.1	27279218
ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879210287 Packaging unit 1  Electrical data   Supply  Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Operating voltage DC max. 4 A  Diagnostics Status indication LED green, yellow  Installation   Connection  Mounting set M12 X  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage Material data  Coating (EC 60664-1) 1  Mechanical data   Material data  Coating (Coking Material State) Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Meterial screw connection Inserted, screwed, Shaking protection  Meterial screw connection Zinc die-casting  Meterial screw connection Zinc die-casting  Meterial screw connection Zinc die-casting  Meterial screw connection Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Operating temperature max. 85 °C	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879210287           Packaging unit         1           Electrical data   Supply           Operating voltage DC           24 V         Operating voltage DC min.           18 V         Operating voltage DC min.           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating per contact max.         4 A           Diagnostics           Status indication LED           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional material data           Coating obeing         Nickeled           Coating of lifting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting		

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19



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Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Cable	
Cable identification	223
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 g
Material wire	Cu wire, bare
Resistor (core)	max. 57 Ω/km (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 isolation	PVC
Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	43 ±5 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl
Stranding combination	3 wires twisted
Shield	no
Material jacket	PUR/PVC
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	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.3 mm ±5%
Color jacket	gray
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>