

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

PUR 4x0.34 gy UL/CSA+drag ch. 7.5m

Female straight

M12, 4-pole 2× LED (PNP)

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

Plastic housings with good resistance against chemicals and oils.

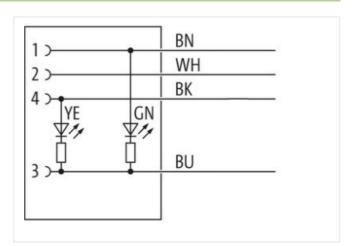
The resistance to aggressive media should be individually tested for your application. Further details on request.

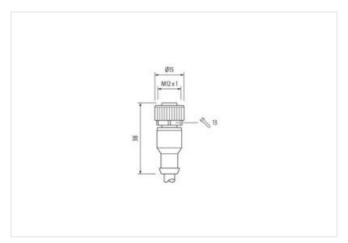
Further cable lengths on request.

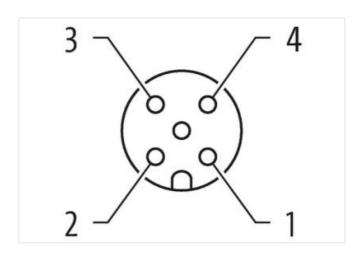
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

7,5 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-05



stay connected

Tivead         M12 x 1           suitable for corrugated tube (internal 0)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         1965, P66K, IP67           Commercial data           ECLASS-8.0         27279218           ECLASS-9.0         27260811           ECLASS-9.0         27260811           ECLASS-9.1         27060811           ECLASS-1.1         40489709311           ETIM-5.0         ECO1855           Customs staff number         1           Electrical data   Suphy         Operating voltage DC           Operating voltage DC min.         18 V           Operating voltage DC max. (U-listed)         30 V           Current operating per contect m	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width access flats         SW13           Degree of protection (ENI EC 60529)         1P65, IP66K, IP67           Commercial data           ECLASS-8.0         27279218           ECLASS-7.0         227279218           ECLASS-8.0         27060311           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.3         27060311           ECLASS-1.4         27060311           ECLASS-1.5         27060311           ECLASS-1.6         27060311           ECLASS-1.7         27060311           ECLASS-1.8         27060311           ECLASS-1.9         27060311           ECLASS-1.9         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           Electrical C	Family construction form	M12
Coding         A           Matterial         PUR           Width across Italis         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial date           ECLASS-8.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-13.0         ECO01855           CLASS-14.0         27060311           ECLASS-17.1         27060311           ECLASS-18.0         ECO01855           COUNTIES	Thread	M12 x 1
Mote accoss fals	suitable for corrugated tube (internal Ø)	10 mm
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP68K, IP67           Commercial data         FRES, IP68K, IP67           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27760311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-13.0         EC001855           countoms tartif number         85444290           GTIN         404887909328           Peckaging unit         1           Electrical data I Supply         Operating voltage DC max.           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Institution   Connection         Muchanical data   Muchanical data   Muchanical data   Muchanical data   Muchanical data   Muchanical data   Muchanical da	Coding	A
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         ECLASS 6.0         27279218           ECLASS 9.0         27279218         ECLASS 9.0         ECLASS 9.0           ECLASS 9.0         277960311         ECLASS 9.0         276060311           ECLASS 9.1.1         27060311         ECLASS 9.0         27606011           ECLASS 9.0         27606011         ECLASS 9.0         27606011           ETIM-5.0         EC001855         ECOMERCIAN 9.0         ECOMERCIAN 9.0           GTIN         404897200328         9         PACKaging unit         1           Electrical data   Supply         PECARTING VARIAGE DC max.         4         V           Operating voltage DC min.         18 V         POperating voltage DC max.         30 V         POperating voltage DC max.         4 A           Operating voltage DC max.         4 A         PACKaging unit         Max 1         POPERATING VARIAGE DC max.         4 A           Operating voltage DC max.         4 A         PACKAGE DC max.         4 A         PACKAGE DC max.         4 A           Installation   Connection         Max 1         PACKAGE DC max.         4 A         PACKAGE DC max.         4 A           Device procetton   Electrical         3         3	Material	PUR
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27090311           ECLASS-9.0         27090311           ECLASS-10.1         27090311           ECLASS-12.0         27090311           ECLASS-12.0         27090311           ECLASS-12.0         27090311           ECLASS-12.0         25000000000000000000000000000000000000	Width across flats	SW13
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           usotions traiff number         8544290           GTIN         4048879209328           Packaging unit         1           Electrical data   Supply         February           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Device protection   Electrical         Pollution Degree           Pollution   Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-7.0 2779218  ECLASS-9.0 2769311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ETIM-5.0 ECO91855 customs tariff rumber 85444290  GTIN 4048879293328  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. 30 V  Operating voltage DC max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Pollution Degree A  Banded surge voltage A  Material group (EC 60664-1) I  Mechanical data   Material data  Coating locking Material  Coating locking material  Material strow connection Zinc die-casting  Material strow connection A  Material data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating lemperature max. 85 °C  Additional condition neters  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable sies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection dess can be	Commercial data	
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01855           customs tariff number         85444290           GTIN         4048879209328           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           Installation   Connection         Multiple set           Mounting set         M12 x 1           Device protection   Electrical           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (EC 60064-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled plated           Locking material         Zinc die-casting           Material scrow connection         Zinc die-casting           Mechanic	ECLASS-6.0	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         4048879209328           Packaging unit         1           Electrical data   Supply           Operating voltage DC min.           18 V         Operating voltage DC max.           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Vickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Munting data         Mickeled casting           Mechanical data   Munting data         Mickeled casting	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048679209328           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           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           installation   Connection         Multiput set           Mounting set         M12 x 1           Device protection   Electrical           Pollution Degree         3           Rated surge voltage         0,8 kV           Material data   Material data           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mechanical data   Mounting data           Mounting emperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature min. <td>ECLASS-8.0</td> <td>27279218</td>	ECLASS-8.0	27279218
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048879209328           Packaging unit         1           Electrical data [Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating per contact max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         V           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         V           Coating locking         Nickeled           Coating material         Zinc die-casting           Material group (IEC 60664-1)         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Inserted, screwed, Shaking protection         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max. <td>ECLASS-9.0</td> <td>27060311</td>	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879208328           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Politution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Meterial data           Coating locking         Nickeled           Coating locking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection		

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: 2024-05-05



## stay connected

Cable identification	234
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Cable weigth	36,3 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
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
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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	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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min