

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

PVC 4x0.34 bk UL/CSA 0.3m

Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request

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

Plastic housings with good resistance against chemicals and oils.

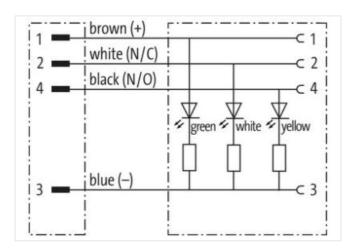
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

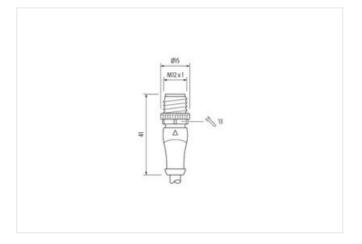
## **Link to Product**

## Illustration





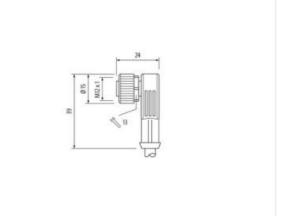






stay connected





Product may differ from Image











Cable length	0,3 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
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
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879169691
Packaging unit	1
Electrical data   Supply	



stay connected

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, white, 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	Nickeled
Coating locking  Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
	Zino dio dadang
Mechanical data   Mounting data	inserted eavened Challing protection
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
Important installation notes	
Important installation notes  Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on strain relief  Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on strain relief  Note on bending radius  Conformity  Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614 1
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  cURus
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  cURus  1
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  cURus  1  4 wires twisted
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  cURus  1  4 wires twisted  brown, black, blue, white
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  cURus  1  4 wires twisted  brown, black, blue, white  40,7 g/m
Note on strain relief  Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  cURus  1  4 wires twisted  brown, black, blue, white  40,7 g/m  PVC
Note on strain relief  Note on bending radius  Conformity  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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black cURus  1  4 wires twisted brown, black, blue, white  40,7 g/m  PVC  85 ± 5 Shore A
Note on strain relief  Note on bending radius  Conformity  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)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  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
Note on strain relief  Note on bending radius  Conformity  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)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  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
Note on strain relief  Note on bending radius  Conformity  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)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  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 %
Note on strain relief  Note on bending radius  Conformity  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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black  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
Note on strain relief  Note on bending radius  Conformity  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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black 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 %
Note on strain relief  Note on bending radius  Conformity  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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  614  1  black 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

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: 2024-04-27



Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
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
UV resistance	DIN EN ISO 4892-2 A
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter