

## M12 male 0° / M8 female 90° A-cod. LED

PUR 3x0.25 ye UL/CSA+robot+drag ch. 0.3m

Male straight – female 90° Zinc die casting, save-cover coated M12 – M8, 3-pole LED (yellow/green)

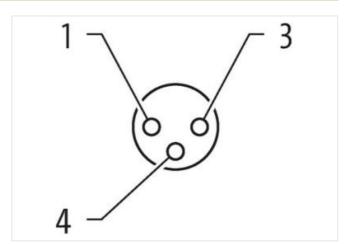
Plastic housings with good resistance against chemicals and oils.

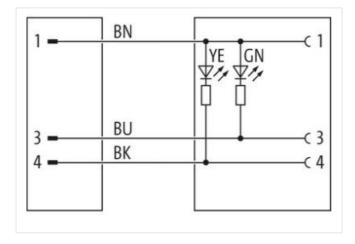
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

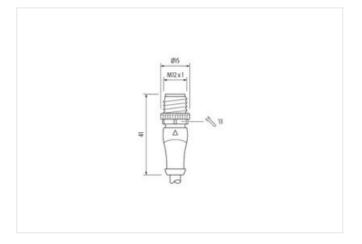
## **Link to Product**

## Illustration



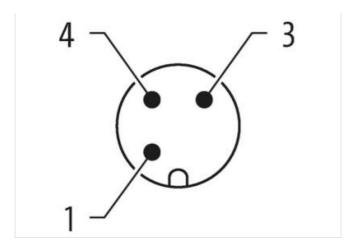


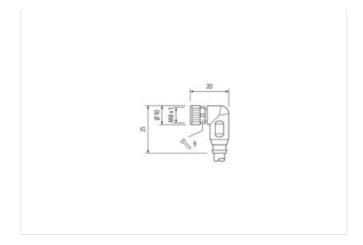






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Product may differ from Image











Side 1   Tightening torque 0,6 Nm   Mounting method inserted, screwed   Coating contact gold plated   Family construction form M12   Thread M12 x 1   suitable for corrugated tube (internal ∅) 10 mm	
Mounting method inserted, screwed  Coating contact gold plated  Family construction form M12  Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm	
Coating contact gold plated  Family construction form M12  Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm	
Family construction form     M12       Thread     M12 x 1       suitable for corrugated tube (internal ∅)     10 mm	
Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm	
suitable for corrugated tube (internal Ø) 10 mm	
Material contact Copper alloy	
Material PUR	
No. of poles 3	
Width across flats SW13	
Degree of protection (EN IEC 60529) IP66K, IP67	
Side 2	
Tightening torque 0,4 Nm	
Mounting method inserted, screwed	
Coating contact gold plated	
Family construction form M8	
Thread M8 x 1	
suitable for corrugated tube (internal Ø) 6,5 mm	
Material contact Copper alloy	
Material PUR	
No. of poles 3	
Width across flats SW9	
Degree of protection (EN IEC 60529) 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	



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EOL 400 40 0	27060311
ECLASS-12.0	
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879159852
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. (UL-listed)	30 V
Current operating per contact max.	4 A
Current consumption max.	5 mA
Diagnostics	
Status indication LED	green, yellow
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
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	·
Mounting method	inserted, screwed, Shaking protection
Woulding method	inscribed, softweed, chaining protection
Environmental characteristics   Climatic	
Environmental characteristics   Climatic	25 °C
Operating temperature min.	-25 °C
Operating temperature min.  Operating temperature max.	85 °C
Operating temperature min.  Operating temperature max.  Additional condition temperature range	
Operating temperature min.  Operating temperature max.	85 °C depending on cable quality
Operating temperature min.  Operating temperature max.  Additional condition temperature range	85 °C
Operating temperature min.  Operating temperature max.  Additional condition temperature range  Conformity	85 °C depending on cable quality
Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard	85 °C depending on cable quality
Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation   Cable	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation   Cable Cable identification	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5
Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow cURus 1 3 wires twisted
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050  5  yellow  cURus  1  3 wires twisted  brown, black, blue
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m PUR
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m
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Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050  5  yellow  cURus  1  3 wires twisted  brown, black, blue  10 Mio. @ 25 °C  26,4 g/m  PUR  58 ± 3 Shore D
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050  5  yellow cURus  1  3 wires twisted  brown, black, blue 10 Mio. @ 25 °C  26,4 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m PUR 58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm
Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  050 5 yellow cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m PUR 58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 %

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: 2024-04-26



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Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
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	4,5 A
Electrical resistance line constant wire	79 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   UL 1581 § 1100 FT2   IEC 60332-2-2
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