

M12 female 90° A-cod. with cable LED

PVC 4x0.34 gy UL/CSA 3m

Female 90° M12, 4-pole 3× LED (PNP)

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

Plastic housings with good resistance against chemicals and oils.

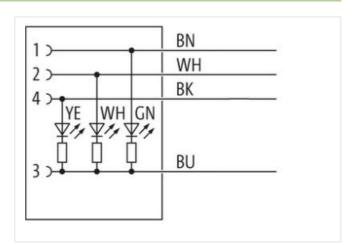
The resistance to aggressive media should be individually tested for your application. Further details on request.

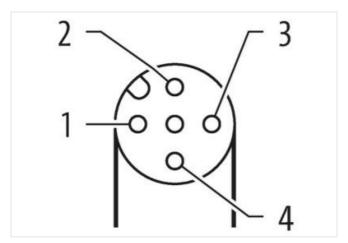
Further cable lengths on request.

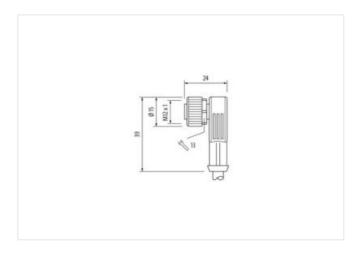
Link to Product

Illustration









Product may differ from Image











Cable length

3 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: 2024-05-18



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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
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-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879203197
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

Diagnostics	
Status indication LED	green, white, yellow
Installation Connection	
Mounting set	M10 · · 1
Mounting set	M12 x 1
Device protection Electrical	M12 X I
	inserted, screwed
Device protection Electrical Additional condition protection degree	
Device protection Electrical	inserted, screwed
Device protection Electrical Additional condition protection degree Pollution Degree	inserted, screwed
Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage	inserted, screwed
Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	inserted, screwed
Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking	inserted, screwed 3 0,8 kV I Nickeled
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Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material	inserted, screwed 3 0,8 kV I Nickeled nickel plated
Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection	inserted, screwed 3 0,8 kV I Nickeled nickel plated Zinc die-casting
Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data	inserted, screwed 3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting
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Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic	inserted, screwed 3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
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Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	inserted, screwed 3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C

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installation Cable wire arrangement brown, black, blue, while Cable Growing Cable Cable Weight Cable Cable Weight	Conformity	
wire arrangement brown, black, blue, white 2able Interintication 214 2able Type 1 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted 4 wires twisted 9 Stable Weight 40,7 gm Material jacket PVC Foredom from ingredients (jacket) lead free, cadmium-free, CFC-free, silicone-free Puber-diameter (jacket) 5 mm Tolkerance outer fainweler (sheath) 4.5 % Material wire insulation PVC Amount wires 4 Auterial wire insulation 1.5 % Duter diameter follerance core insulation 1.5 mm Duter diameter follerance swire insulation 1.5 mm Duter diameter follerance core insulation 1.5 mm Duter diameter follerance swire insulation 1.5 mm Duter diameter follerance wire insulation 1.5 mm Duter diameter follerance wire insulation 1.5 mm Duter diameter of single wires 0.15 mm Donductor	Product standard	DIN EN 61076-2-101 (M12)
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Section Gray Gray	Cable identification	
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Material wire insulation PVC Amount wires 4 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor of single wires 0,15 mm Diameter of single wires 0,15 mm Conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 4,8 A Electrical resistance line constant wire 57 QKm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Coveer frequency withstand voltage (wire - acket) 2 kV @ 60 s Win. operating temperature (fixed) 30 °C Acket)	Outer-diameter (jacket)	5 mm
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AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Win. operating temperature (static) 30 °C Max. operating temperature (fixed) Departing temperature min. (dynamic) 5 °C Departing temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Power frequency withstand voltage (wire -	
Max. operating temperature (fixed) Deperating temperature min. (dynamic) So C Deperating temperature max. (dynamic) So C Deperating temperature max. (dynamic) So C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Max. operating temperature (fixed)	
Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter