

## M12 female 90° A-cod. with cable

PVC 3x0.75 bk 3m

Female 90° M12, 3-pole 2× LED (PNP)

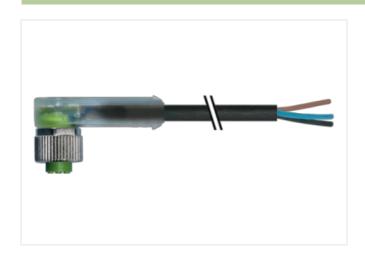
Invers-polarity protection

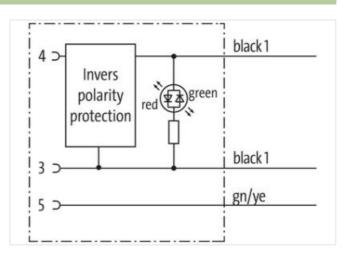
Plastic housings with good resistance against chemicals and oils.

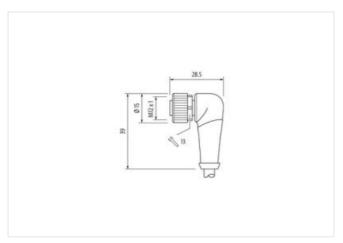
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

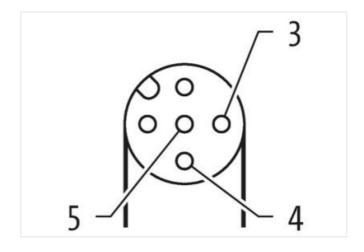
## **Link to Product**

## Illustration









Product may differ from Image







Cable length

3 m

Side 1

Tightening torque

0,6 Nm



stay connected

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	4048879462174
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	20.4 V
Operating voltage DC max.	27,6 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, red
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
Mechanical data   Material data	
•	Niglealed
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material  Material screw connection	Zinc die-casting Zinc die-casting
	Zino die-odaling
Mechanical data   Mounting data	
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	
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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
	endangered by excessive bending forces.
Installation   Cable	

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: 2024-05-04



stay	connected	

Printing color of wire insulation white (isolation black)  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 61,6 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D	
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Shore hardness wire insulation 43 ± 5 Shore D	
Material properties wire insulation good machinability	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	
Printing color of wire insulation white (isolation black)	
Amount strands (wire) 24	
Diameter of single wires 0,2 mm	
Conductor crosssection (wire) 0,75 mm <sup>2</sup>	
Material conductor wire Stranded copper wire, bare	
Conductor type (wire) Strand class 5	
Max. rated voltage (conductor - conductor) 500 V	
Max. rated voltage (conductor - ground) 300 V	
Current load capacity (standard) to DIN VDE 0298-4	
Current load capacity min. wire 12 A	
Electrical resistance line constant wire 26 Ω/km @ 20 °C	
AC withstand voltage (wire - wire) 3 kV @ 60 s	
Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s	
Min. operating temperature (static) -30 °C	
Max. operating temperature (fixed) 70 °C	
Operating temperature min. (dynamic) -5 °C	
Operating temperature max. (dynamic) 70 °C	
UV resistance DIN EN ISO 4892-2 A	
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	
Oil resistance Good, application-related testing   DIN EN 60811-404	
Bending radius (fixed) 5 x Outer diameter	
Bending radius (dynamic) 10 x Outer diameter	