

M12 female 90° A-cod. with cable

PVC 3x0.75 bk 10m

Female 90° M12, 3-pole 2× LED (PNP)

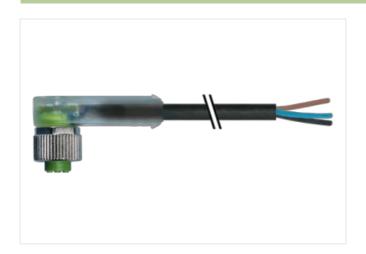
Invers-polarity protection

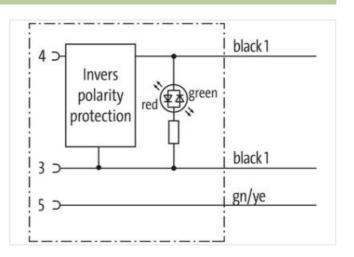
Plastic housings with good resistance against chemicals and oils.

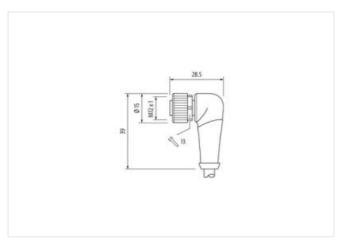
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

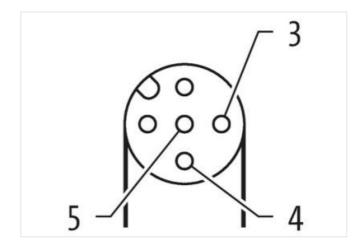
Link to Product

Illustration









Product may differ from Image







Cable length

10 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
	11 50, 11 501, 11 57
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	4048879462303
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	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting Zinc die-casting
	Zillo die-castilig
Mechanical data Mounting data	inserted, screwed, Shaking protection
MANAGERA MARIANA	
Mounting method	
Environmental characteristics Climatic	
Environmental characteristics Climatic Operating temperature min. Operating temperature max.	-25 °C 85 °C
Environmental characteristics Climatic Operating temperature min.	-25 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max.	-25 °C 85 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	-25 °C 85 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation Cable	-25 °C 85 °C depending on cable quality
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation Cable Cable identification	-25 °C 85 °C depending on cable quality 616
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation Cable Cable identification Cable Type	-25 °C 85 °C depending on cable quality 616 1
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Installation Cable Cable identification Cable Type Printing color of wire insulation	-25 °C 85 °C depending on cable quality 616 1 white (isolation black)

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

Flame resistance

chemical resistance

Gasoline resistance
Oil resistance

Bending radius (fixed)

Bending radius (dynamic)



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 insulation	1,8 mm
Outer diameter tolerance core insulation	±5%
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 mm²
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	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	500 V
Power frequency withstand voltage power (wire - jacket)	3 kV @ 60 s
AC withstand voltage power (wire - wire)	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

UL 1581 § 1100 FT2 | IEC 60332-2-2 | UL 1581 § 1090

Good, application-related testing | DIN EN 60811-404

Good, application-related testing Good, application-related testing

5 x Outer diameter

10 x Outer diameter