

Model number

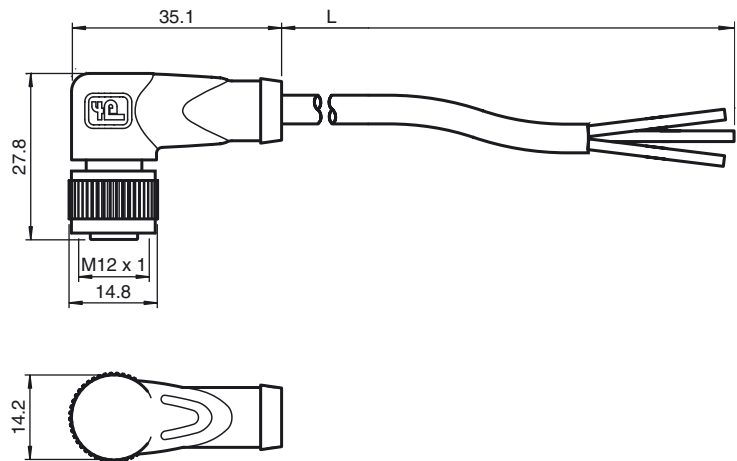
V1-W-E2-2M-PUR

Cable socket, M12, LED, 3-pin, PUR cable

Features

- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Protection degree IP67 / IP68 / IP69K
- Halogen-free
- Suitable for 2- and 3-wire technology

Dimensions



Technical data

General specifications

Number of poles	3
Connection 1	Connector, female
Construction type 1	angled
Threading 1	M12
Connection 2	free cable end

Indicators/operating means

LED green	Operating display
LED yellow	Functional display NO

Electrical specifications

Operating voltage	max. 24 V DC \pm 15%
Operating current	max. 4 A
Volume resistance	< 5 m Ω

Ambient conditions

Ambient temperature	-25 ... 100 °C (248 ... 373 K) for temperatures over 80 °C (353 K) reduced elongation at tear
Degree of soiling	3

Mechanical specifications

Contact elements	spring-loaded contact socket
pin diameter	1 mm
Protection degree	IP67 / IP68 / IP69K
Material	
Contacts	CuSn / Au
Contact surface	Au
Handle	TPU, transparent
Cable	PUR
Slotted nut	diecast zinc
Core isolation	PP
Cable	fine-strand, flexible
Sheath diameter	Ø4.8 mm
Bend radius	> 10 x conductor diameter, appropriate for conveyor chains
Colour	grey
Cores	3 x 0.34 mm ²
Conductor construction	19 x 0.15 mm Ø
Length	L 2 m
Flammability	
Contact material	94V-2
Housing	94V-2
Wire	flame-resistant

General information

Use in the hazardous area	see more details for the use in hazardous areas
Category	3G; 3D

Electrical connection 1



ATEX 3G

Details for use in hazardous areas	Electrical apparatus for potentially explosive atmospheres for use in hazardous areas with gas, vapour and mist
Device category 3G	EN 60079-15:2003
Standard conformity	Ignition protection category "n" Use is restricted to the following stated conditions
Marking	V1-W-E2-2M-PUR
General	The apparatus has to be operated according to the appropriate data in the data sheet and in this description. The special conditions must be adhered to.
Installation, Commissioning	Laws and/or regulations and standards governing the use or intended usage goal must be observed.
Maintenance	No changes can be made to apparatus, which are operated in hazardous areas. Repairs to these apparatus are not possible.
Special conditions	
Maximum admissible ambient temperature	for maximum supply voltage of 27.6 V: 44 °C
Plug connector	The plug connector must not be disconnected under voltage. When the plug connector is disconnected the ingress of dirt into the inner areas (i.e. the areas, which are not accessible in the plugged-in condition) must be prevented.
Protection from mechanical danger	The apparatus must not become mechanically damaged.
Protection from UV light	The apparatus must be protected from damaging UV radiation. This can be achieved by mounting in an indoor area.
Protection of the connection cable	The connection cable must be prevented from being subjected to tension and torsional loading.

ATEX 3D

Details for use in hazardous areas

Device category 3D

Standard conformity

Marking

General

Installation, Commissioning

Maintenance

[Fett]Special conditions

Maximum

surface temperature of the housing

Maximum heating (Temperature rise)

Plug connector

Protection from mechanical danger

Protection of the connection cable

Electrical apparatus for potentially explosive atmospheres for use in hazardous areas with non-conducting combustible dust

EN 50281-1-1

Protection via housing

Use is restricted to the following stated conditions

V1-W-E2-2M-PUR

The apparatus has to be operated according to the appropriate data in the data sheet and in this description. The special conditions must be adhered to.

Laws and/or regulations and standards governing the use or intended usage goal must be observed.

No changes can be made to apparatus, which are operated in hazardous areas.

Repairs to these apparatus are not possible.

for maximum supply voltage of 27.6 V: 131 °C

for maximum supply voltage of 27.6 V: 26 °C

The plug connector must not be disconnected under voltage. When the plug connector is disconnected the ingress of dirt into the inner areas (i.e. the areas, which are not accessible in the plugged-in condition) must be prevented. The plug connection can only be separated using a tool. This is achieved by using the locking protection V1-Clip (Mounting accessory from Pepperl + Fuchs).

The apparatus must not become mechanically damaged.

The connection cable must be prevented from being subjected to tension and torsional loading.