



Valve Connector Cordset

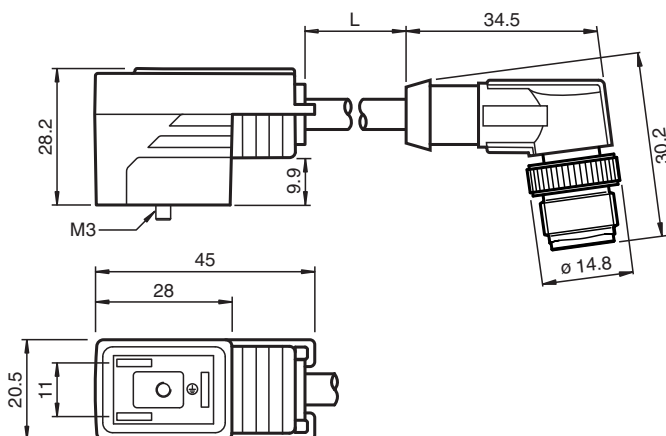
VMBI-2+P/Z2-0,3M-PVC-V1-W-Y

- Suitable for F31K and F31K2 dual sensors
- Z diode as a protective circuit
- Built-in LED, as operating and function indicator
- Moulded seal
- Flame resistant cable
- Oil resistant
- Immunity to vibration

Valve connector Form B (Ind), Z-diode LED 2-pin+PE to M12 plug angled A-coded 3-pin, PVC cable black



Dimensions



Technical Data

General specifications

Connector 1	
Connection	Valve connector industrial version
Construction type	form B (Ind)
Style	angled
Locking	screw connection
Number of pins	2 + PE
Connector 2	
Connection	plug
Construction type	M12
Style	angled
Locking	screw connection
Number of pins	3
Coding	A-coded

Indicators/operating means

LED yellow	Operating display
------------	-------------------

Electrical specifications

Release date: 2025-02-04 Date of issue: 2025-02-04 Filename: 247594_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

Operating voltage	U _B	24 V AC/DC
Operating current	I _B	max. 4 A
Suppression		Zener diode
Conformity		
Degree of protection		EN 60529
Plug connection		Valve connector : on the basis of DIN EN 175301-803 connector M12 x 1 : IEC 61076-2-101
Flammability		DIN VDE 0482 , DIN EN 50265-2-1 , UL 94
Oil resistance		DIN EN 60811-2-1
Ambient conditions		
Ambient temperature		
Connector 1		-20 ... 85 °C (-4 ... 185 °F)
Connector 2		-25 ... 90 °C (-13 ... 194 °F)
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-5 ... 80 °C (23 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Connector 1		
Tightening torque		0.6 Nm
Tool installation		screw M3 x 29
Mating cycles		min. 100
Connector 2		
Tightening torque		0.6 Nm
Tool installation		straight knurling
Mating cycles		min. 100
Degree of protection		IP65 / IP67
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		4.8 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath color		black (similar to RAL 9005)
Number of cores		3
Core cross section		0.5 mm ²
Cores color		Core 1-1: black Core 2-3: black Core PE-5: green/yellow
Core construction		16 x 0.2 mm Ø
Length	L	0.3 m
Cable code		Li YY 3 x 0,50
Mass		38 g
Material		
Connector 1		
Body		TPU, black
Seal		TPU , molded
Contact surface		Sn
Flammability		V-0
Connector 2		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		Ni/Au
Flammability		HB
Cable		
Sheathing		PVC
Cores		bare copper (Cu)

Release date: 2025-02-04 Date of issue: 2025-02-04 Filename: 247594_eng.pdf

Technical Data

Core insulation	PVC
Oil resistance	good
Flammability	V-0

Connection

