



**Model Number**

**V1-W-BK15M-PVC-U**

Female cordset, M12, 4-pin, PVC cable

**Features**

- UL Recognized Component
- Improved UV resistance
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69K

**Dimensions**



**Technical data**

**General specifications**

Number of pins	4
Connection 1	socket
Construction type 1	right angle
Threading 1	M12
Connection 2	cable end
UL File Number	E231213

**Electrical specifications**

Operating voltage	$U_B$	max. 250 V AC/DC
Operating current	$I_B$	max. 4 A
Volume resistance		< 5 mΩ

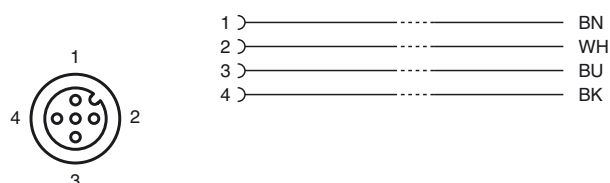
**Ambient conditions**

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, flexing: -5 ... 80 °C (23 ... 176 °F) cable, fixed: -25 ... 80 °C (-13 ... 176 °F)
Pollution degree	3

**Mechanical specifications**

Contact elements	spring-loaded contact socket
Degree of protection	IP67 / IP68 / IP69K
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PVC, improved UV resistance
Slotted nut	Diecast zinc
Core insulation	PVC
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter	Ø 4.3 mm
Bending radius	> 15 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Number of cores	4
Core cross-section	0.34 mm <sup>2</sup>
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black
Conductor construction	19 x 0.15 mm Ø
Length	L 15 m
Flammability	
Contact carrier	HB
Housing	V-2
Cable	FT1

**Electrical connection**



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

**Compliance with standards and directives**

Standard conformity	
Degree of protection	EN 60529
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Specification	connector M12 x 1 : IEC 61076-2-101

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