Dimensions

Technical data

General specifications

Number of pins	3

Indicators/operating means

LED green	Operating display
LED yellow	Functional display NO contact

Electrical specifications

Operating voltage	U_B	max. 24 V DC ± 15%
Operating current	I_B	max. 4 A
Contact resistance		< 10 mΩ

Ambient conditions

Ambient temperature	cable, fixed: -40 ... 80 °C (-40 ... 176 °F)
	cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
Pollution Degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, transparent
Cable	PUR
Slotted nut	Diecast zinc
Core insolation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø 4.3 mm
Bending radius	> 10 x cable diameter, moving
	> 5 x cable diameter, fixed
Color	black
Cores	4 x 0.34 mm^2
Conductor construction	42 x 0.1 mm Ø
Length L	20 m
Drag chain suitability	
Drag chain cycles	≥ 5000000
Motion velocity	≤ 3.3 m/s
Acceleration	≤ 5 m/s^2
Torsional stress	± 180 °/m
Flammability	
Contact material	94 HB
Housing	94 V-2
Cable	FT2

Compliance with standards and directives
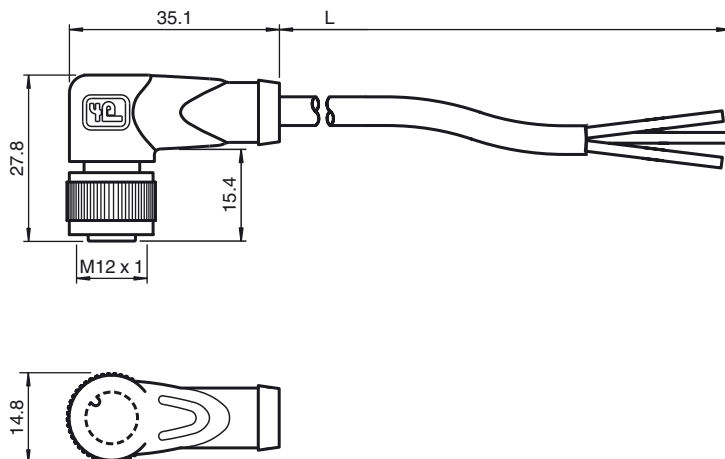
Model Number

V1-W-E2-BK20M-PUR-U

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

Features

- UL Recognized Component
- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- Suitable for drag chains

Electrical connection

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

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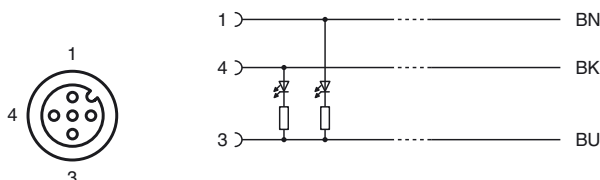
Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)

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

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