

Inductive sensor

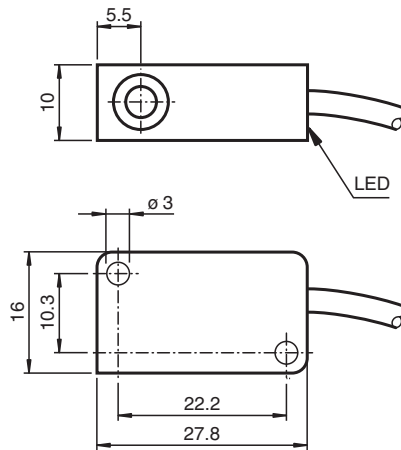
NBB2-V3-E2 100pcs packing unit



- Basic series
- 2 mm flush
- 3-wire DC



Dimensions



Technical Data

General specifications			
Rated operating distance	s_n		2 mm
Installation			flush
Output polarity			DC
Assured operating distance	s_a		0 ... 1.62 mm
Reduction factor r_{Al}			0.35
Reduction factor r_{Cu}			0.2
Reduction factor r_{304}			0.7
Output type			3-wire
Nominal ratings			
Operating voltage	U_B		10 ... 30 V DC
Switching frequency	f		0 ... 1000 Hz
Reverse polarity protection			reverse polarity protected
Short-circuit protection			pulsing
Voltage drop	U_d		≤ 3 V
Operating current	I_L		0 ... 100 mA
Off-state current	I_r		0 ... 0.5 mA typ. 0.1 μ A at 25 °C

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

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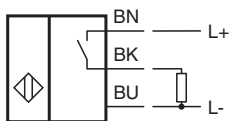
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PEPPERL+FUCHS

Technical Data

No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		3560 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cablc PVC , 130 mm
Core cross section		0.14 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

	V3-WM-2M-PUR	Female cordset single-ended M8 angled A-coded, 3-pin, PUR cable grey
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