

Inductive sensor

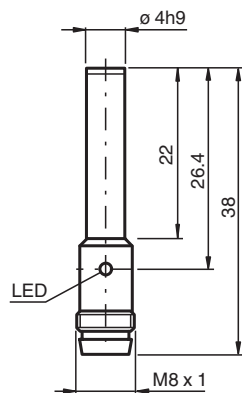
NBB1,5-4M25-E1-V3



- Basic series
- 1.5 mm flush



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NPN
Rated operating distance	s _n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 1.215 mm
Actuating element		4.5 mm x 4.5 mm x 1 mm
Reduction factor r _{Al}		0.45
Reduction factor r _{Cu}		0.36
Reduction factor r ₃₀₄		0.87
Reduction factor r _{Brass}		0.56
Nominal ratings		
Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	1 ... 15 %

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

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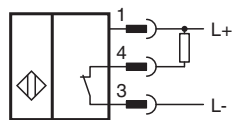
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PEPPERL+FUCHS

Technical Data

Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 3\text{ V}$
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA typ. 0.1 μA at 25 °C
No-load supply current	I_0	$\leq 10\text{ mA}$
Switching state indicator		LED, yellow
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 $\leq 36\text{ V}$
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector M8 x 1 , 3-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		POM
Degree of protection		IP67

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Accessories

	BF 4	Mounting flange, 4 mm
	V3-WM-2M-PUR	Female cordset single-ended, M8, 3-pin, PUR cable

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