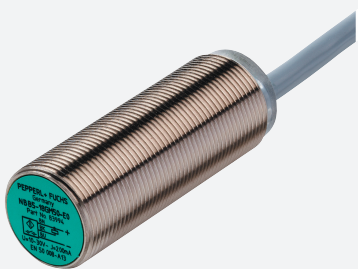


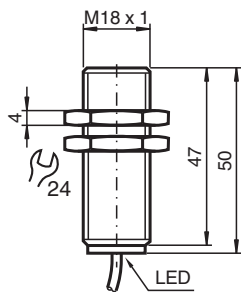
Inductive sensor
NBB8-18GM50-E2-5M



- 8 mm flush
- Increased operating distance



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	8 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 6.48 mm
Reduction factor r_{Al}		0.45
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.7
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing

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

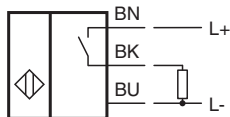
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Technical Data

Voltage drop	U _d	≤ 3 V
Operating current	I _L	0 ... 200 mA
Off-state current	I _r	0 ... 0.5 mA typ. 0.1 μA at 25 °C
No-load supply current	I ₀	≤ 15 mA
Time delay before availability	t _v	≤ 20 ms
Switching state indicator	LED, yellow	
Functional safety related parameters		
MTTF _d	1190 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		
EAC conformity		TR CU 020/2011
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	cable PVC , 5 m	
Core cross-section		0.34 mm²
Housing material	brass, nickel-plated	
Sensing face		PBT
Degree of protection	IP67	

Connection



Accessories

	BF 18	Mounting flange, 18 mm
	EXG-18	Quick mounting bracket with dead stop