

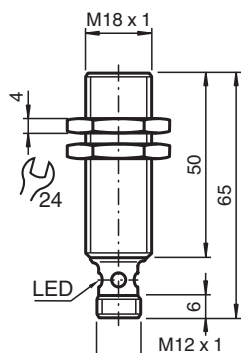


Inductive sensor NXB8-18GM50-E2-V1

■ 8 mm flush



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 (-25 ... 70 °C (-13 ... 158 °F)) 0 ... 6.08 mm (-40 ... -25 °C (-40 ... -13 °F))
Reduction factor r_{Al}	0.45	
Reduction factor r_{Cu}	0.4	
Reduction factor r_{304}	0.7	
Output type	3-wire	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 150 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection	reverse polarity protected	

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

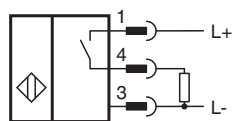
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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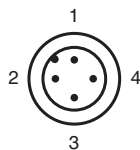
Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 3\text{ V}$
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μA at 25 °C
No-load supply current	I_0	$\leq 15\text{ mA}$
Time delay before availability	t_v	$\leq 20\text{ ms}$
Switching state indicator		Multihole-LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector M12 x 1 , 4-pin
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
General information		
Scope of delivery		2 hex nuts included

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	BF 18	Mounting flange, 18 mm
	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable