

Inductive sensor

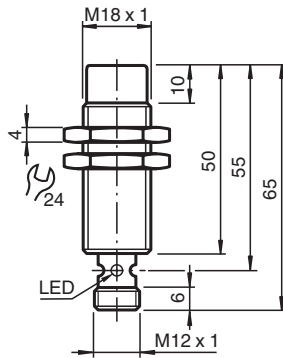
NBN8-18GM50-E2-V1-Y46954



- Basic series
- For lamp load 3 W / 24 V



Dimensions



Technical Data

General specifications			
Rated operating distance	s_n		8 mm
Installation			non-flush
Output polarity			DC
Assured operating distance	s_a		0 ... 6.48 mm
Reduction factor r_{Al}			0.5
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 ... 500 Hz
Reverse polarity protection			reverse polarity protected
Short-circuit protection			pulsing
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 μ A at 25 °C

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

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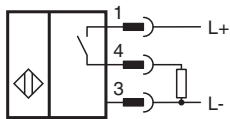
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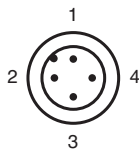
Technical Data

No-load supply current	I_0	≤ 18 mA
Switching state indicator		Multihole-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
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		4-pin, M12 x 1 connector
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

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