

# Inductive sensor

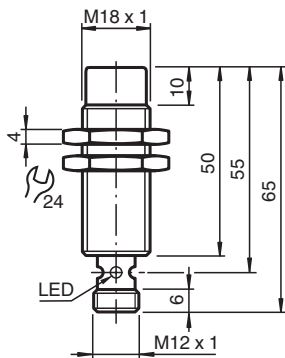
## NBN8-18GM50-E2-V1-Y46954



- 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	$U_d$		$\leq 3$ V
Operating current	$I_L$		0 ... 200 mA
Off-state current	$I_r$		0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C

Release date: 2023-12-08 Date of issue: 2023-12-08 Filename: 046954\_eng.pdf

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

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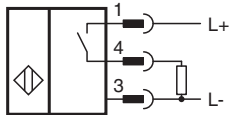
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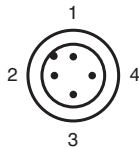
## Technical Data

No-load supply current	$I_0$	$\leq 18 \text{ mA}$
Switching state indicator		Multihole-LED, yellow
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
<b>Approvals and certificates</b>		
UL approval		cULus Listed, General Purpose
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
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)