

Inductive sensor

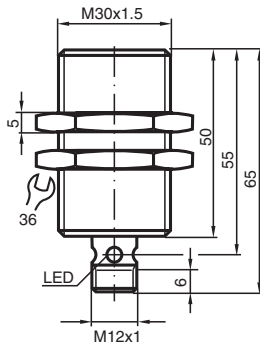
NCB15-30GM50-Z5-V1



- 15 mm flush
- 2-wire DC
- Increased operating distance



Dimensions



Technical Data

General specifications

Switching function		Normally closed (NC)
Output type		Two-wire
Rated operating distance	s_n	15 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 12 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.7
Reduction factor r_{Brass}		0.5
Output type		2-wire

Nominal ratings

Operating voltage	U_B	3.5 ... 30 V
Switching frequency	f	500 Hz
Reverse polarity protection		reverse polarity-conductive
Short-circuit protection		pulsing

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

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Technical Data

Voltage drop	U_d	$\leq 3.5\text{ V}$
Temperature drift		$\pm 15\%$
Operating current	I_L	2 ... 100 mA
Off-state current	I_r	typ. 0.8 mA
Switching state indicator		LED, yellow

Compliance with standards and directives

Standard conformity		
Standards		EN IEC 60947-5-2

Approvals and certificates

UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36\text{ V}$

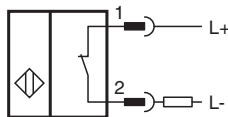
Ambient conditions

Ambient temperature		$-25 \dots 70\text{ }^{\circ}\text{C}$ ($-13 \dots 158\text{ }^{\circ}\text{F}$)
Storage temperature		$-25 \dots 85\text{ }^{\circ}\text{C}$ ($-13 \dots 185\text{ }^{\circ}\text{F}$)

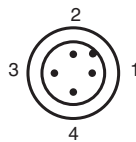
Mechanical specifications

Connection type		Connector plug
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Connector		
Threading		M12 x 1
Number of pins		4
Mass		135 g
Dimensions		
Length		48 mm
Diameter		30 mm

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

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