







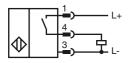
Model Number

NBB10-30GM50-E2-V1

Features

- 10 mm embeddable
- Extended temperature range

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

Mounting flange, 30 mm

EXG-30

Quick mounting bracket with dead stop

V1-G

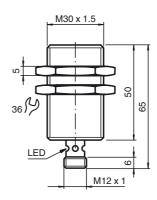
4-pin, M12 female field-attachable connector

V1-W

4-pin, M12 female field-attachable connector

Cable socket, M12, 4-pin, PUR cable

Dimensions



Technical Data

	PNP	NO
s _n	10 mm	
	embeddab	ple
	DC	
sa		m (-25 70 °C (-13 158 °F))
		m (-4025 °C (-4013 °F))
	0.3	
	0.3	
	8.0	
		s _n 10 mm embeddat DC s _a 0 8.1 m 0 7.6 m 0.3 0.3

Operating voltage	U _B	10 30 V
Switching frequency	f	0 200 Hz
Hysteresis	Н	typ. 5%
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤3 V
Operating current	T _L	0 200 mA
Off-state current	l _r	0 0.5 mA typ. 0.1 μ A at 25 °C

No-load supply current ≤ 20 mA I_0 Multihole-LED, yellow Indication of the switching state Functional safety related parameters

anotional caloty rolated parameters	
MTTF _d	1740 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient temperature -40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

Ambient conditions

Connection type Device connector M12 x 1 , 4-pin Housing material brass, nickel-plated Sensing face PBT

Protection degree IP67 Compliance with standards and directives

Standard conformity

EN 60947-5-2:2007 Standards IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC ammunul	Draduate with a maximum energing valtage of <2

Products with a maximum operating voltage of $\leq\!\!36$ V do not bear a CCC marking because they do not require approval. CCC approval

Date of issue: 2012-02-03 Release date:

www.pepperl-fuchs.com

V1-G-2M-PUR Cable socket, M12, 4-pin, PUR cable

V1-W-2M-PUR

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