







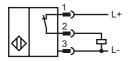
Model Number

NBB10-30GM50-E3-V1

Features

- **Basic series**
- 10 mm embeddable

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

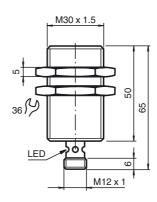
www.pepperl-fuchs.com

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

V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

Dimensions



Technical Data

General specifications					
Switching element function		PNP	NC		
Rated operating distance	s _n	10 mm			
Installation		embeddab	le		
Output polarity		DC			
Assured operating distance	Sa	0 8.1 mr	n		
Reduction factor r _{Al}		0.3			
Reduction factor r _{Cu}		0.3			
Reduction factor r ₃₀₃		0.8			
Nominal ratings					

IV	ommai raungs		
	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 ≤ 3 V 0 ... 200 mA 0 ... 0.5 mA typ. 0.1 μA at 25 °C ≤ 20 mA Operating current Off-state current
No-load supply current Multihole-LED, yellow

Indication of the switching state Functional safety related parameters

MTTF _d	1920 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

-25 ... 70 °C (-13 ... 158 °F) Ambient temperature

Mechanical specifications

Connection type Device connector M12 x 1, 4-pin Housing material brass, nickel-plated PBT Sensing face 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 approval Products with a maximum operating voltage of ≤36 V do not bear a

CCC marking because they do not require approval.

Release date: