







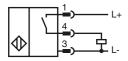
Model Number

NBB2-8GM40-E2-V3

Features

- Basic series
- 2 mm embeddable

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Accessories

BF 8

Mounting flange, 8 mm

V3-GM

Female connector, M8, 3-pin, field attachable

V3-GM-2M-PUR

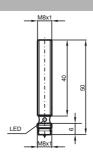
Cable socket, M8, 3-pin, PUR cable

V3-WM-2M-PUR Cable socket, M8, 3-pin, PUR cable

www.pepperl-fuchs.com

Quick mounting bracket with dead stop

Dimensions



Technical Data

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Switching element function		PNP	N
Rated operating distance	s _n	2 mm	
Installation		embeddab	le
Output polarity		DC	
Assured operating distance	sa	0 1.62 m	ım
Reduction factor r _{Al}		0.45	
Reduction factor r _{Cu}		0.35	
Reduction factor r ₃₀₄		0.75	

Nominal ratings

Operating voltage	U_B	10 30 V
Switching frequency	f	0 3000 Hz
Hysteresis	Н	typ. 5%
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	IL.	0 100 mA
Off-state current	l _r	0 0.5 mA typ. 0.1 μA
No-load supply current	I ₀	≤ 15 mA
Indication of the switching state		Multihole-LED, vellow

Functional safety related parameters

MTTF _d	2790 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

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

Mechanical specifications

Connection type Device connector M8 x 1, 3-pin Housing material Sensing face brass, nickel-plated LCP 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

Products with a maximum operating voltage of ≤36 V do not bear a CCC approval

CCC marking because they do not require approval.

10:22

2010-11-16

Release date: