







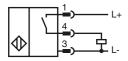
Model Number

NBB2-8GM40-E2-V3

Features

- **Basic series**
- 2 mm embeddable

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

1	1	BN
3		BU
4	ı	BK

Accessories

BF 8

of issue: 2010-11-19 089585_ENG.xml

Date

10:22

2010-11-16

Release date:

Mounting flange, 8 mm

V3-GM Female connector, M8, 3-pin, field attachable

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Female connector, M8, 3-pin, field attachable

V3-GM-2M-PUR

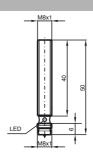
Cable socket, M8, 3-pin, PUR cable V3-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable EXG-08

www.pepperl-fuchs.com

Quick mounting bracket with dead stop

Dimensions



Technical Data

Conoral	cnoolfi	antione

Switching element function		PNP	NO
Rated operating distance	s _n	2 mm	
Installation		embeddab	le
Output polarity		DC	
Assured operating distance	sa	0 1.62 m	m
Reduction factor r _{Al}		0.45	
Reduction factor r _{Cu}		0.35	
Reduction factor r _{V2A}		0.75	
Output polarity Assured operating distance Reduction factor r _{Al} Reduction factor r _{Cu}	s _a	DC 0 1.62 m 0.45 0.35	

Nominal ratings

10 ... 30 V Operating voltage U_{B} Switching frequency 0 ... 3000 Hz Hysteresis
Reverse polarity protected Н typ. 5% reverse polarity protected Short-circuit protection pulsing Voltage drop ≤ 3 V 0 ... 100 mA 0 ... 0.5 mA typ. 0.1 μA Operating current Off-state current No-load supply current ≤ 15 mA Indication of the switching state Multihole-LED, yellow

Functional safety related parameters

MTTF_d Mission Time (T_M) 2790 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 brass, nickel-plated LCP Housing material 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

Products with a maximum operating voltage of ≤36 V do not bear a CCC approval CCC marking because they do not require approval.