







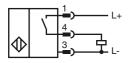
Model Number

NBB2-8GM40-E2-V1

Features

- 2 mm embeddable
- · Increased operating distance

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

RF 8

085181_eng.xml

Date of issue: 2012-02-03

Release date:

Mounting flange, 8 mm

V1-G

4-pin, M12 female field-attachable connector

V1-W

4-pin, M12 female field-attachable connector

V1-G-2M-PUR

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

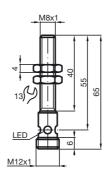
Cable socket, M12, 4-pin, PUR cable **EXG-08**

Pepperl+Fuchs Group

www.pepperl-fuchs.com

Quick mounting bracket with dead stop

Dimensions



Technical Data

Toominour Butu					
General specifications					
Switching element function		PNP	NO		
Rated operating distance	s _n	2 mm			
Installation		embeddabl	е		
Output polarity		DC			
	sa	0 1.62 mi	m		
Reduction factor r _{Al}		0.45			
Reduction factor r _{Cu}		0.35			
Reduction factor r ₃₀₄		0.75			
Nominal ratings					
Operating voltage	UB	10 30 V			
Switching frequency	f	0 1500 H	łz		
Hysteresis	Н	typ. 5%			
Davaraa palarity protected		rayaraa nal	a with a wasta asta at		

Functional safety related parameters

 $\begin{array}{c} \text{MTTF}_d & 2730 \text{ a} \\ \text{Mission Time (T}_M) & 20 \text{ a} \\ \text{Diagnostic Coverage (DC)} & 0 \% \end{array}$

Ambient conditions

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

Mechanical specifications

Connection type Device connector M12 x 1 , 4-pin
Housing material brass, nickel-plated
Sensing face LCP
Protection degree IP67

Compliance with standards and directives

Standard conformity

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

Approvals and certificates

UL approval cULus Listed, General Purpose CSA approval cCSAus Listed, General Purpose

Copyright Pepperl+Fuchs

Singapore: +65 6779 9091

fa-info@sg.pepperl-fuchs.com

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



