







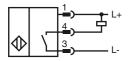
Model Number

NBB10-30GM50-E0-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

BF 30

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Date of issue: 2012-02-03

2011-07-14 10:56

Release date:

Mounting flange, 30 mm

EXG-30

Quick mounting bracket with dead stop

V1-G

4-pin, M12 female field-attachable connector

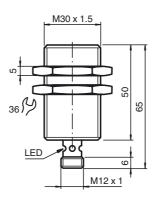
V1-W

4-pin, M12 female field-attachable connector

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		NPN	NO
Rated operating distance	s _n	10 mm	
Installation		embeddabl	ble
Output polarity		DC	
Assured operating distance	sa	0 8.1 mn	m
Reduction factor r _{Al}		0.3	
Reduction factor r _{Cu}		0.3	
Reduction factor r ₃₀₄		8.0	

Nominal ratings

Operating voltage U_B 10 ... 30 V
Switching frequency f 0 ... 200 Hz
Hysteresis H typ. 5%
Reverse polarity protected reverse polarity protected

Functional safety related parameters

 $\begin{array}{c} \text{MTTF}_d & \text{2010 a} \\ \text{Mission Time } (T_M) & \text{20 a} \\ \text{Diagnostic Coverage } (DC) & \text{0 } \% \end{array}$

Ambient conditions

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

Mechanical specifications

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

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

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