







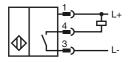
Model Number

NBB15-30GM50-E0-V1

Features

- Basic series
- 15 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

BF 30

Date of issue: 2012-02-03 085972_eng.xml

Release date:

Mounting flange, 30 mm **EXG-30**

Quick

Quick mounting bracket with dead stop

V1-G

4-pin, M12 female field-attachable connector

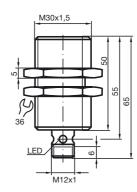
V1-W 4-pin, M12 female field-attachable connector

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	15 mm	
Installation		embedo	lable
Output polarity		DC	
Assured operating distance	Sa	0 12.	15 mm

Reduction factor r_{Al} 0.3
Reduction factor r_{Cu} 0.3
Reduction factor r_{304} 0.75

Nominal ratings

Operating voltage U_B 10 ... 30 V
Switching frequency f 0 ... 200 Hz
Hysteresis H typ. 5%
Reverse polarity protected
Short-circuit protection pulsing

Indication of the switching state
Functional safety related parameters

MTTF_d
Mission Time (T_M)
Diagnostic Coverage (DC)

Ambient conditions
Ambient temperature

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 approvai	culus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC ammunal	Draduata with a maximum aparating

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

Multihole-LED, yellow

-25 ... 70 °C (-13 ... 158 °F)

990 a

20 a 0 %

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