







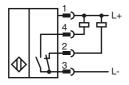
Model Number

NBB15-30GM60-A0-V1

Features

- 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

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Date of issue: 2012-02-03

Release date:

Mounting flange, 30 mm

EXG-30

Quick mounting bracket with dead stop

V1-G

4-pin, M12 female field-attachable connector

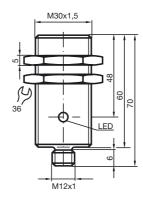
V1-W

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/NC
Rated operating distance	s _n	15 mm
Installation		embeddable
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
Manufact vettage		

Nominal ratings

UB Operating voltage 10 ... 30 V Switching frequency 0 ... 200 Hz Reverse polarity protected reverse polarity protected Short-circuit protection pulsing Voltage drop . ≤3 V Uд Operating current 0 ... 200 mA Off-state current No-load supply current Indication of the switching state 0 ... 0.5 mA typ. 0.1 μA at 25 $^{\circ} C$ ≤ 25 mA LED, yellow

Functional safety related parameters

MTTF_d
Mission Time (T_M) 820 a 20 a Diagnostic Coverage (DC)

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 PRT

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

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

PEPPERL+FUCHS