

 $C \in$

Model Number

NBB2-F76-E2-0,5M

Features

- 2 mm flush
- 3-wire DC

Description

Caution:

The diameter of any countersink on the on-site M3 threaded hole must not be greater than 3.2 mm. Only in this way is the shouldering of the sensor's metal insert bushing guaranteed.

Switching function Output type Rated operating distance Installation Output polarity Assured operating distance Reduction factor r_{Al} Reduction factor r_{Cu} Reduction factor r₃₀₄ Reduction factor r_{Brass} Output type Nominal ratings

0 ... 1.62 mm 0.25 0.2 0.63 0.31 3-wire

1056 a

20 a

IP67

5 g 0.7 Nm

PNP 2 mm

flush

DC

Normally open (NO)

Operating voltage Switching frequency 10 ... 30 V DC 0 ... 1500 Hz Hysteresis typ. 5 % Reverse polarity protection reverse polarity protected pulsing

Short-circuit protection U_d Voltage drop ≤3 V Operating current 0 ... 100 mA $0 \dots 0.5$ mA typ. 10 μA at 25 °C ≤ 15 mA Off-state current No-load supply current Switching state indicator

LED yellow Functional safety related parameters

MTTF_d Mission Time (T_M) Diagnostic Coverage (DC) **Ambient conditions**

Ambient temperature Mechanical specifications

Connection type Core cross-section Housing material Degree of protection Cable diameter

Bending radius Mass Tightening torque, fastening screws

Compliance with standards and

directives Standard conformity

Standards

EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

-25 ... 70 °C (-13 ... 158 °F)

cable PVC, 0.5 m

 $2.3 \text{ mm} \pm 0.2 \text{ mm}$

> 10 x cable diameter

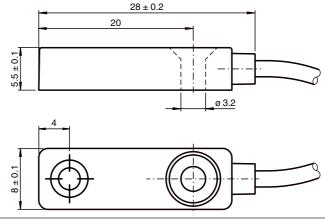
3 x 0.09 mm² PC

Approvals and certificates

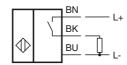
CCC approval

CCC approval / marking not required for products rated ≤36 V

Dimensions



Electrical Connection



Additional Information

Important Mounting Note

