



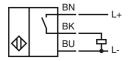
Model Number

NBB4-12GM50-E2

Features

- 4 mm flush
- · Increased operating distance

Connection



Accessories

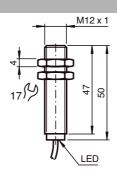
BF 12

Mounting flange, 12 mm

EXG-12

Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications		
Switching element function		PNP NO
Rated operating distance	s _n	4 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 3.24 mm
Reduction factor r _{Al}		0.39
Reduction factor row		0.35

Reduction factor r₃₀₄ Reduction factor r_{Brass} Nominal ratings Operating voltage

Operating voltage	U_B	10 30 V
Switching frequency	f	0 800 Hz
Hysteresis	Н	typ. 5%
Reverse polarity protection		reverse polarity protecte
Chart airquit protection		nulaina

pulsing ≤ 3 V Voltage drop Operating current 0 ... 200 mA

Off-state current 0 ... 0.5 mA typ. 0.1 μA at 25 °C No-load supply current I₀ \leq 15 mA Time delay before availability Indication of the switching state ≤ 5 ms

0.75

0.49

LED, yellow

Functional safety related parameters

MTTF_d Mission Time (T_M) 1820 a 20 a Diagnostic Coverage (DC)

Ambient conditions

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

Mechanical specifications

cable PVC , 2 m 3 x 0.14 mm² Connection type Cable version Core cross-section Housing material 0.14 mm² brass, nickel-plated Sensing face IP67

Protection degree **General information**

Scope of delivery 2 self locking nuts in scope of delivery

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

Products with a maximum operating voltage of $\leq 36 \text{ V}$ do not bear a CCC approval

CCC marking because they do not require approval.