







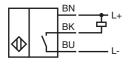
Model Number

NBB4-12GM50-E0

Features

- **Basic series**
- 4 mm embeddable
- Increased operating distance

Connection



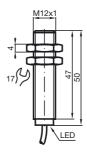
Accessories

BF 12 Mounting flange, 12 mm

EXG-12

Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications			
Switching element function		NPN	NO
Rated operating distance	s _n	4 mm	
Installation		embedo	lable
Output polarity		DC	
Assured operating distance	s _a	0 3.2	4 mm
Reduction factor r _{Al}		0.39	
Reduction factor r _{Cu}		0.35	
Reduction factor rana		0.75	

Reduction factor r_{Brass} **Nominal ratings**

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Operating voltage	U_B	10 30 V
Switching frequency	f	0 800 Hz
Hysteresis	Н	typ. 5%
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 3 V
Operating current	IL.	0 200 mA
Off-state current	l _r	0 0.5 mA typ. 0.1 μA at 25 °C
No-load supply current	اما	< 15 mA

0.49

LED, yellow

-25 ... 70 °C (-13 ... 158 °F)

Indication of the switching state Functional safety related parameters

MTTF _d	1600
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions Ambient temperature

wechanical specifications	
Connection type	cable PVC , 2 m
Core cross-section	0.14 mm ²
Housing material	brass, nickel-plated

Sensing face PBT IP67 Protection degree **General information**

Scope of delivery 2 self locking nuts in scope of delivery

Compliance with standards and directives Standard conformity

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Standards	FN 60947-5-2:200

Standards	EN 60947-5-2:2007
	IFC 60947-5-2:200

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.

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