



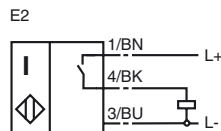
Model Number

NBB4-12GM50-E2-V1-M

Features

- Basic series
- 4 mm embeddable
- increased operating distance
- e1-Type approval

Connection



Accessories

BF 12

Mounting flange

EXG-12

Mounting aid

V1-G

Non pre-wired cable socket

V1-W

Non pre-wired cable socket

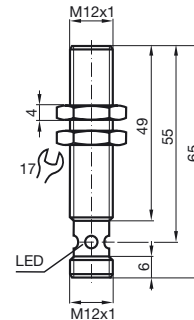
V1-G-2M-PUR

Cable connector

V1-W-2M-PUR

Cable connector

Dimensions



Technical Data

General specifications

Switching element function	PNP	Make function
Rated operating distance	s_n	4 mm
Installation	embeddable	
Output polarity	DC	
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{AI}	0.45	
Reduction factor r_{Cu}	0.35	
Reduction factor r_{V2A}	0.7	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 1000 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection	protected against reverse polarity	
Short-circuit protection	pulsing	
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 150 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
No-load supply current	I_0	≤ 15 mA
Indication of the switching state	Multihole-LED, yellow	

Standard conformity

Standards	IEC / EN 60947-5-2:2004
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Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
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Mechanical specifications

Connection type	V1-connector
Cable version	PBT
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67