



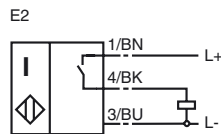
Model Number

NBB5-18GM50-E2-V1-M

Features

- Basic series
- 5 mm embeddable
- e1-Type approval

Connection



Accessories

BF 18

Mounting flange

V1-G

Non pre-wired cable socket

V1-W

Non pre-wired cable socket

V1-G-2M-PUR

Cable connector

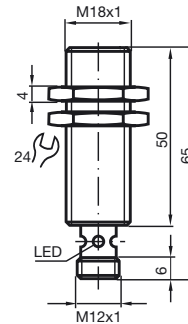
V1-W-2M-PUR

Cable connector

EXG-18

Mounting aid

Dimensions



Technical Data

General specifications

Switching element function	PNP	Make function
Rated operating distance	s_n	5 mm
Installation	embeddable	
Output polarity	DC	
Assured operating distance	s_a	0 ... 4.05 mm
Reduction factor r_{AI}	0.3	
Reduction factor r_{Cu}	0.3	
Reduction factor r_{V2A}	0.7	
Reduction factor r_{SI37}		

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 800 Hz
Reverse polarity protection	protected against reverse polarity	
Short-circuit protection	pulsing	
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
No-load supply current	I_0	≤ 20 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
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67

Approvals and certificates

e1 Type approval	95/54/EC
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