



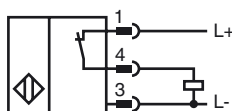
Model Number

NBB1,5-8GM50-E3-V3

Features

- Basic series
- 1.5 mm embeddable

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

1	BN
3	BU
4	BK

Accessories

BF 8

Mounting flange, 8 mm

V3-WM

Female connector, M8, 3-pin, field attachable

V3-GM

Female connector, M8, 3-pin, field attachable

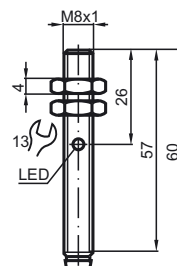
V3-GM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

V3-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

Dimensions



Technical Data

General specifications

Switching element function		PNP	NC
Rated operating distance	s_n	1.5 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	s_a	0 ... 1.215 mm	
Reduction factor r_{AI}		0.45	
Reduction factor r_{Cu}		0.35	
Reduction factor r_{v2A}		0.75	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 1500 Hz
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
No-load supply current	I_o	≤ 15 mA
Indication of the switching state		LED, yellow

Standard conformity

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

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

Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67