



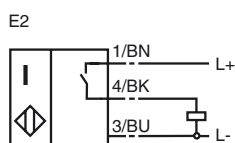
Model Number

NRB3-12GM50-E2-C-V1

Features

- Reduction factor = 1
- 3 mm embeddable
- Resistant to welding

Connection



Accessories

BF 12

Mounting flange

V1-G

Non pre-wired cable socket

V1-W

Non pre-wired cable socket

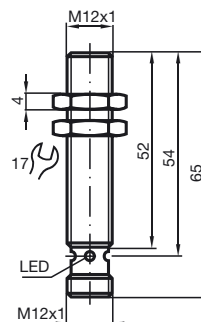
V1-G-2M-PUR

Cable connector

V1-W-2M-PUR

Cable connector

Dimensions



Technical Data

General specifications

Switching element function	PNP Make function
Rated operating distance	s_n 3 mm
Installation	embeddable
Output polarity	DC
Assured operating distance	s_a 0 ... 2.43 mm
Reduction factor r_{AI}	1
Reduction factor r_{Cu}	1
Reduction factor r_{V2A}	1

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 2000 Hz
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Rated insulation voltage	U_{BIS}	253 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, teflon coated
Sensing face	Duroplast
Protection degree	IP67 according to EN 60529
Protection class	II