



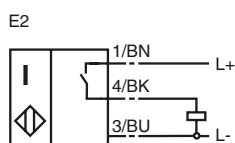
Model Number

NRN4-12GM45-E2-C-V1

Features

- Reduction factor = 1
- 4 mm not embeddable
- Resistant to welding

Connection



Accessories

BF 12

Mounting flange

V1-G

Non pre-wired cable socket

V1-W

Non pre-wired cable socket

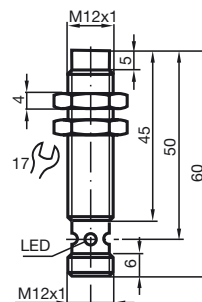
V1-G-2M-PUR

Cable connector

V1-W-2M-PUR

Cable connector

Dimensions



Technical Data

General specifications

Switching element function	PNP	Make function
Rated operating distance	s_n	4 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{Al}		1
Reduction factor r_{Cu}		1
Reduction factor r_{V2A}		1

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 200 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	≤ 15 mA
Constant magnetic field	B	200 mT
Alternating magnetic field	B	200 mT
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	PPS
Protection degree	IP67