



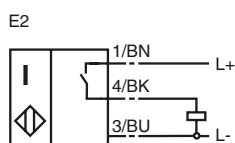
### Model Number

NRN8-12GM45-E2-C-V1

### Features

- Reduction factor = 1
- 8 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

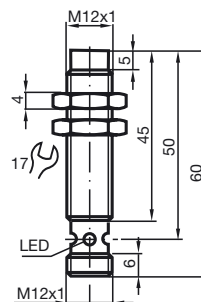
#### V1-G-2M-PUR

Cable connector

#### V1-W-2M-PUR

Cable connector

## Dimensions



## Technical Data

### General specifications

Switching element function	PNP	Make function
Rated operating distance	$s_n$	8 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 6.48 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
Hysteresis	$H$	typ. 3 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 15$ 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