



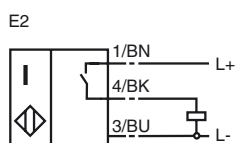
### Model Number

NEN10-12GM50-E2-V1

### Features

- Comfort series
- 10 mm not embeddable
- increased operating distance

### Connection



### Accessories

#### BF 12

Mounting flange

#### V1-G

Non pre-wired cable socket

#### V1-W

Non pre-wired cable socket

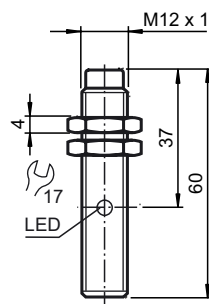
#### V1-G-2M-PUR

Cable connector

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

Cable connector

### Dimensions



### Technical Data

#### General specifications

Switching element function		PNP Make function
Rated operating distance	$s_n$	10 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 8.1 mm
Reduction factor $r_{Al}$		0.36
Reduction factor $r_{Cu}$		0.32
Reduction factor $r_{V2A}$		0.69

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 400 Hz
Hysteresis	$H$	typ. 5%
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.1 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 10$ 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 (248 ... 343 K)
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#### Mechanical specifications

Connection type	V1-connector
Housing material	brass, chromium plated
Sensing face	PBT
Protection degree	IP67