



CE

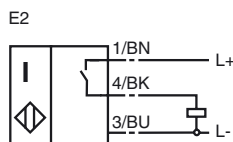
### Model Number

NJ2-12GM40-E2

### Features

- Comfort series
- 2 mm embeddable

### Connection



### Accessories

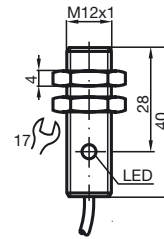
#### BF 12

Mounting flange

#### EXG-12

Mounting aid

## Dimensions



## Technical Data

### General specifications

Switching element function	PNP Make function
Rated operating distance	$s_n$ 2 mm
Installation	embeddable
Output polarity	DC
Assured operating distance	$s_a$ 0 ... 1.62 mm
Reduction factor $r_{AI}$	0.23
Reduction factor $r_{Cu}$	0.21
Reduction factor $r_{V2A}$	0.7

### Nominal ratings

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	1 ... 10 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	$I_r$	$\leq 0.5$ mA
No-load supply current	$I_0$	$\leq 11$ 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)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

### Mechanical specifications

Connection type	2 m, PUR cable
Core cross-section	0.34 mm <sup>2</sup>
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67