



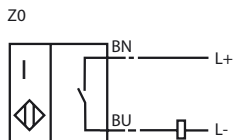
### Model Number

NBN4-12GM40-Z0

### Features

- Basic series
- 4 mm not embeddable

### Connection

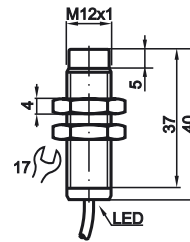


### Accessories

#### BF 12

Mounting flange

## Dimensions



## Technical Data

### General specifications

Switching element function	DC	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 $r_{Al}$	0.37	
Reduction factor $r_{Cu}$	0.36	
Reduction factor $r_{V2A}$	0.74	

### Nominal ratings

Operating voltage	$U_B$	5 ... 60 V
Switching frequency	$f$	0 ... 1000 Hz
Hysteresis	$H$	1 ... 10 typ. 5 %
Reverse polarity protection	tolerant	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 5$ V
Operating current	$I_L$	2 ... 100 mA
Off-state current	$I_r$	0 ... 0.5 mA typ.
Indication of the switching state	all direction 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	2 m, PVC cable
Core cross-section	0.14 mm <sup>2</sup>
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67