



CE

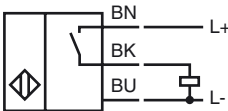
### Model Number

NBN2-8GM50-E2

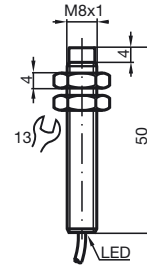
### Features

- Basic series
- 2 mm non-flush

### Connection



## Dimensions



## Technical Data

### General specifications

Switching element function		PNP	NO
Rated operating distance	$s_n$	2 mm	
Installation		non-flush	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 1.62 mm	
Reduction factor $r_{AI}$		0.45	
Reduction factor $r_{Cu}$		0.35	
Reduction factor $r_{304}$		0.75	

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V	
Switching frequency	$f$	0 ... 1500 Hz	
Hysteresis	$H$	typ. 5 %	
Reverse polarity protected		reverse polarity protected	
Short-circuit protection		pulsing	
Voltage drop	$U_d$	$\leq 3$ V	
Operating current	$I_L$	0 ... 100 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	
Indication of the switching state		LED, yellow	

### Standard conformity

Standards	IEC / EN 60947-5-2:2004
-----------	-------------------------

### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
---------------------	--------------------------------

### Mechanical specifications

Connection type	cable PVC, 2 m
Core cross-section	0.14 mm <sup>2</sup>
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67

### Approvals and certificates

CCC approval	Products with a maximum operating voltage of $\leq 36$ V do not bear a CCC marking because they do not require approval.
--------------	--