



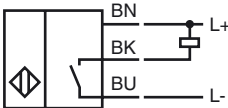
### Model Number

NBN2,5-8GM50-E0

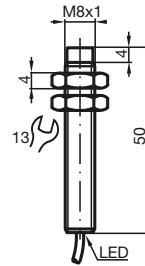
### Features

- Red LED for switching status
- Sensing range 2.5 mm
- 3-wire DC

### Connection



## Dimensions



## Technical Data

### General specifications

Switching element function		NPN	NO
Rated operating distance	$s_n$	2.5 mm	
Installation		not embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 2.03 mm	
Reduction factor $r_{AI}$		0.4	
Reduction factor $r_{Cu}$		0.3	
Reduction factor $r_{V2A}$		0.75	

### Nominal ratings

Operating voltage	$U_B$	5 ... 30 V
Switching frequency	$f$	2000 Hz
Hysteresis	$H$	typ. 5 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 1$ V
Operating current	$I_L$	150 mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A
No-load supply current	$I_0$	$\leq 10$ mA
Indication of the switching state		LED red

### Ambient conditions

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

### Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

### Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose