



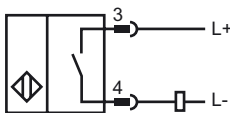
### Model Number

NBN2-8GM40-Z0-V3

### Features

- Basic series
- 2 mm not embeddable

### Connection



### Pinout

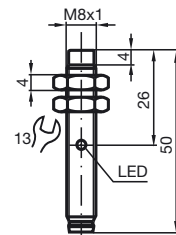


Wire colors in accordance with EN 60947-5-2

1	BN
3	BU
4	BK

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## Dimensions



## Technical Data

### General specifications

Switching element function	DC	Make function
Rated operating distance	$s_n$	2 mm
Installation	not embeddable	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 1.62 mm
Reduction factor $r_{Al}$	0.42	
Reduction factor $r_{Cu}$	0.4	
Reduction factor $r_{V2A}$	0.77	
Reduction factor $r_{Brass}$	0.51	

### Nominal ratings

Operating voltage	$U_B$	6 ... 60 V
Switching frequency	$f$	0 ... 2000 Hz
Hysteresis	$H$	1 ... 10 typ. 3 %
Reverse polarity protection	tolerant	
Short-circuit protection	no	
Voltage drop	$U_d$	$\leq 6$ V
Operating current	$I_L$	4 ... 100 mA
Off-state current	$I_r$	0 ... 1 mA typ. 0.7 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	V3-connector
Housing material	brass, nickel-plated
Sensing face	PBT
Protection degree	IP67