



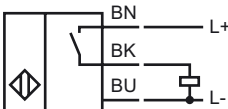
### Model Number

NEB4-8GM45-E2

### Features

- 4 mm quasi-embeddable
- Increased operating distance

### Connection

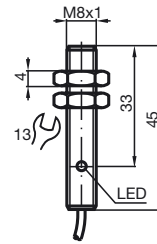


### Accessories

#### BF 8

Mounting flange, 8 mm

## Dimensions



## Technical Data

### General specifications

Switching element function	PNP	NO
Rated operating distance	$s_n$	4 mm
Installation	quasi embedd.	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 3.24 mm
Reduction factor $r_{A1}$	0.25	
Reduction factor $r_{Cu}$	0.22	
Reduction factor $r_{303}$	0.65	

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 500 Hz
Reverse polarity protected	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.1 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 10$ mA
Indication of the switching state	LED, yellow	

### Functional safety related parameters

MTTF <sub>d</sub>	311 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

### Ambient conditions

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

Connection type	cable PUR, 2 m
Core cross-section	0.14 mm <sup>2</sup>
Housing material	chromium plated brass
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
CCC approval	Products with a maximum operating voltage of $\leq 36$ V do not bear a CCC marking because they do not require approval.