



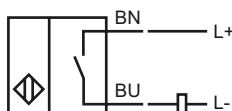
## Model Number

NBN8-18GM40-Z0

## Features

- Basic series
- 8 mm not embeddable
- 2-wire DC

## Connection

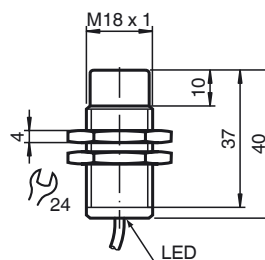


## Accessories

### BF 18

Mounting flange, 18 mm

## Dimensions



## Technical Data

### General specifications

Switching element function		DC	NO
Rated operating distance	$s_n$	8 mm	
Installation		not embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 6.5 mm	
Reduction factor $r_{AI}$		0.43	
Reduction factor $r_{Cu}$		0.42	
Reduction factor $r_{303}$		0.73	

### Nominal ratings

Operating voltage	$U_B$	5 ... 60 V
Switching frequency	$f$	0 ... 500 Hz
Hysteresis	$H$	1 ... 10 typ. 5 %
Reverse polarity protected		tolerant
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 5$ V
Operating current	$I_L$	2 ... 100 mA
Lowest operating current	$I_m$	2 mA
Off-state current	$I_r$	0 ... 0.5 mA typ.
Indication of the switching state		all direction LED, yellow

### 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	0.34 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
CCC approval	Certified by China Compulsory Certification (CCC)