



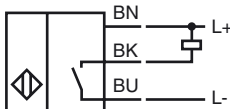
## Model Number

NJ5-18GM50-E

## Features

- 5 mm embeddable

## Connection



## Accessories

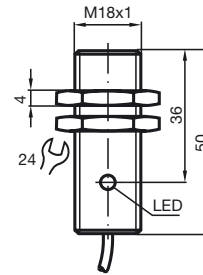
### BF 18

Mounting flange, 18 mm

### EXG-18

Quick mounting bracket with dead stop

## Dimensions



## Technical Data

### General specifications

Switching element function		NPN	NO
Rated operating distance	$s_n$	5 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 4.05 mm	
Reduction factor $r_{Al}$		0.2	
Reduction factor $r_{Cu}$		0.15	
Reduction factor $r_{303}$		0.62	

### Nominal ratings

#### Installation conditions

A	0 mm
B	0 mm
C	15 mm

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 1500 Hz
Hysteresis	H	1 ... 15 typ. 6 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
Lowest operating current	$I_m$	0 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.01 mA
No-load supply current	$I_0$	$\leq 9$ mA
Indication of the switching state		LED, yellow

### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

### Mechanical specifications

Connection type	cable PVC , 2 m
Core cross-section	0.5 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
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)