



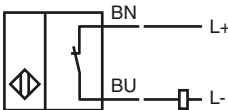
### Model Number

NCB8-18GM50-Z5

### Features

- 8 mm flush
- 2-wire DC
- Increased operating distance

### Connection



### Accessories

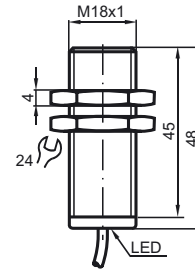
#### BF 18

Mounting flange, 18 mm

#### EXG-18

Quick mounting bracket with dead stop

### Dimensions



### Technical Data

#### General specifications

Switching element function		DC	NC
Rated operating distance	$s_n$	8 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 6.1 mm	
Reduction factor $r_{Al}$		0.4	
Reduction factor $r_{Cu}$		0.4	
Reduction factor $r_{304}$		0.7	
Reduction factor $r_{Brass}$		0.5	

#### Nominal ratings

Operating voltage	$U_B$	3.5 ... 30 V
Switching frequency	$f$	0 ... 1000 Hz
Reverse polarity protected		reverse polarity-conductive
Short-circuit protection		pulsing
Voltage drop	$U_d$	≤ 3.5 V
Temperature drift		± 15%
Operating current	$I_L$	2 ... 100 mA
Off-state current	$I_r$	typ. 0.8 mA
Indication of the switching state		LED, yellow

#### Functional safety related parameters

MTTF <sub>d</sub>	1530 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %

#### Ambient conditions

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

#### 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	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.