



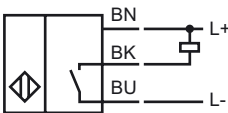
### Model Number

NJ5-18GK50-E

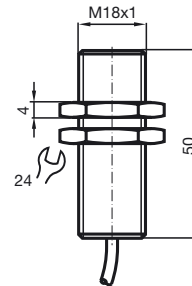
### Features

- Comfort series
- 5 mm embeddable

### Connection



## Dimensions



## Technical Data

### General specifications

Switching element function		NPN Make function
Rated operating distance	$s_n$	5 mm
Installation		embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 4.05 mm
Reduction factor $r_{Al}$		0.3
Reduction factor $r_{Cu}$		0.25
Reduction factor $r_{V2A}$		0.7

### Nominal ratings

#### Mounting 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 protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 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		-

### Standard conformity

Standards	IEC / EN 60947-5-2:2004
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### Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

### Mechanical specifications

Connection type	2 m, PVC cable
Core cross-section	0.5 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP68