



### Model Number

**NBB10-30GK60-AR-3M**

### Features

- Relay output
- Sensing range 10 mm
- Switch load currents to 6 Amps
- SPDT output

### Accessories

#### BF 30-F

Mounting flange with dead stop, 30 mm

#### BF 30

Mounting flange, 30 mm

#### BF 5-30

Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm

#### AB-30

Mounting aid

## Technical Data

### General specifications

Switching function	change-over contact
Output type	relay
Rated operating distance	$s_n$ 10 mm
Installation	flush
Output polarity	DC
Reduction factor $r_{Al}$	0.4
Reduction factor $r_{Cu}$	0.3
Reduction factor $r_{304}$	0.85
Output type	Relay output
Mechanical life	No load: $2 \times 10^7$ operations Full load: $1 \times 10^5$ switching cycles

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V DC
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Hysteresis	H	approx. 10 %
Operating current	$I_L$	$\leq 50$ mA
Switching state indicator		LED, yellow

### Output

Switching voltage	max 28 V DC
Switching current	max 6 A DC resistive load
Switching power	max 180 W

### Standard conformity

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

Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)
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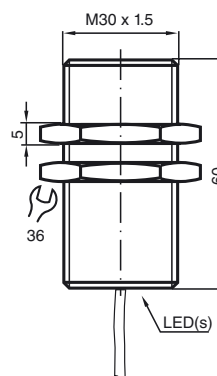
### Mechanical specifications

Connection type	3-meter cable, PVC heavy jacket, 5-conductor, #18 AWG
Core cross-section	0.75 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Degree of protection	IP68

### Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V

## Dimensions



## Electrical Connection

