



### Model Number

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

### Features

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

### 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 $r_{AI}$		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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Switching frequency	$f$	20 Hz
Hysteresis	$H$	approx. 10 %
Reverse polarity protection		yes
Short-circuit protection		no
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

### 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

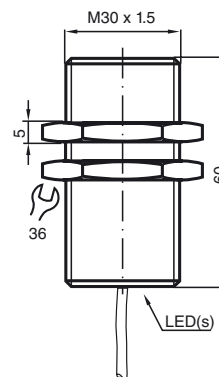
### Compliance with standards and directives

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

## Dimensions



## Electrical Connection

