

# Inductive sensor

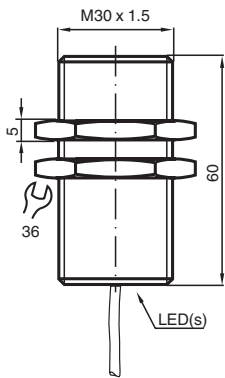
## NBB10-30GK60-AR-3M



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



### Dimensions



### 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
Switching frequency	f	20 Hz
Hysteresis	H	approx. 10 %
Reverse polarity protection		yes

Release date: 2024-05-28 Date of issue: 2024-06-08 Filename: 904968\_eng.pdf

## Technical Data

Short-circuit protection		no
Operating current	$I_L$	$\leq 50$ mA
Switching state indicator		LED, yellow
<b>Output</b>		
Switching voltage		max 28 V DC
Switching current		max 6 A DC resistive load
Switching power		max 180 W
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN IEC 60947-5-2
<b>Approvals and certificates</b>		
UL approval		cULus Listed, General Purpose
<b>Ambient conditions</b>		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
<b>Mechanical specifications</b>		
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
Dimensions		
Length		60 mm
Diameter		30 mm

## Connection

