

# Inductive sensor

## NBB10-30GM60-AAR-900MM-4PKD

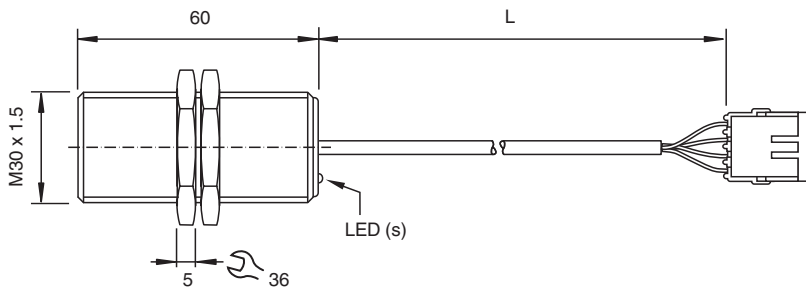


- SPDT Relay Output
- Sensing range 10 mm
- Active 24 V DC Relay Output

Inductive sensor



### 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 $r_{Al}$		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
Switching frequency	f	20 Hz
Hysteresis	H	approx. 10 %
Reverse polarity protection		yes

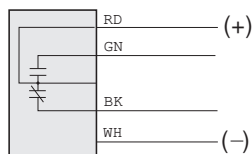
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## Technical Data

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>Ambient conditions</b>		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		fixed cable with plug
Core cross section		0.75 mm <sup>2</sup>
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67 (Sensor side)
Connector		
Connection assembly		Aptiv housing 12010974 Aptiv contact 12089040 Aptiv seal 15324982
Cable		
Material		TPE
Color		black
Number of cores		4
Length	L	900 mm
<b>Dimensions</b>		
Length		60 mm
Diameter		30 mm
Mounting		with nuts, M30
<b>General information</b>		
Scope of delivery		

## Connection

### AAR



## Installation

A	GN (Output)
B	BK (Output)
C	RD (+)
D	WH (-)