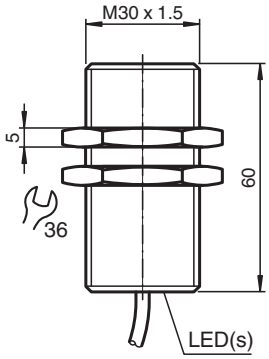
Inductive sensor

NBB10-30GM60-AAR-1,8M-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 x 10^7 operations Full load: 1 x 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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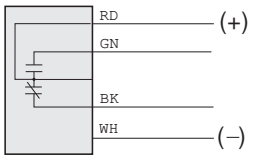
Technical Data

Short-circuit protection		no
Operating current	I_L	≤ 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
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Ambient conditions		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Connection type		fixed cable with plug
Core cross section		0.75 mm²
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Connector		
Connection assembly		Aptiv housing 12010974 Aptiv contact 12089040 Aptiv seal 15324982
Cable		
Material		TPE
Color		black
Number of cores		4
Length	L	1.8 m
Dimensions		
Length		60 mm
Diameter		30 mm
Mounting		with nuts, M30

Connection

AAR



Installation

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

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