

Inductive sensor

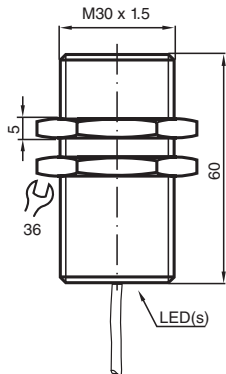
NBN15-30GK60-AR-3M



- Relay output
- Sensing range 15 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	15 mm
Installation		non-flush
Output polarity		DC
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.37
Reduction factor r_{304}		0.73
Output type		Relay output
Mechanical life		No load: 2×10^7 operations Full load: 1×10^5 switching cycles

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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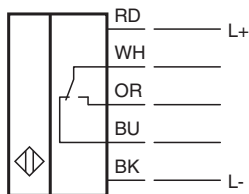
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Technical Data

Switching frequency	f	20 Hz
Hysteresis	H	approx. 10 %
Reverse polarity protection		yes
Short-circuit protection		no
Operating current	I_L	≤ 50 mA
Switching state indicator		LED, yellow
Output		
Switching voltage		max 28 V DC
Switching current		6 A DC resistive load
Switching power		max 180 W
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
Ambient conditions		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Connection type		3-meter cable, PVC heavy jacket, 5-conductor, #18 AWG
Core cross section		0.75 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68

Connection



Accessories

	BF 30	Mounting flange, 30 mm
	AB-30	Mounting aid