



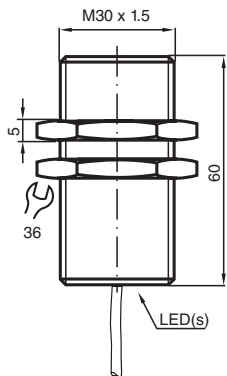
Inductive sensor

NBB10-30GK60-AR-3M

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



Dimensions



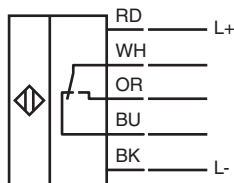
Technical Data

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 _{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

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		max 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-F	Plastic mounting adapter, 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