



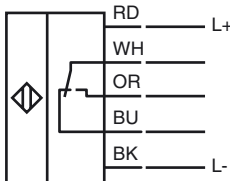
### Model Number

NBB10-30GK60-AR-1M

### Features

- Relay output
- Operating distance 10 mm
- SPDT output
- Switch load currents to 6 Amps

### Connection



### Accessories

#### BF 30-F

Mounting flange with dead stop, 30 mm

#### BF 30

Mounting flange, 30 mm

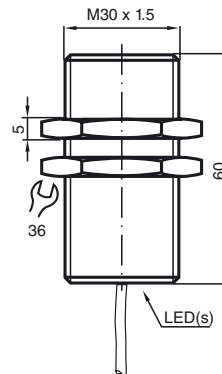
#### BF 5-30

Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm

#### AB-30

Mounting aid

### Dimensions



### Technical Data

#### General specifications

Switching element function		SPDT Relay
Rated operating distance	$s_n$	10 mm
Installation		embeddable
Output polarity		DC
Reduction factor $r_{AI}$		0.4
Reduction factor $r_{CU}$		0.3
Reduction factor $r_{304}$		0.85
Mechanical life		$2 \times 10^7$ operations

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V DC
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Switching frequency	$f$	5 Hz
Hysteresis	$H$	3 ... 15 % , typ. 5 %
Reverse polarity protected		yes
Short-circuit protection		no
Operating current	$I_L$	6 A max.
No-load supply current	$I_0$	≤50 mA
Indication of the switching state		LED, yellow
Contact resistance		28 V DC/6 A resistive; 250 V AC/6A resistive

#### Standard conformity

Standards	IEC / EN 60947-5-2:2004
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#### Ambient conditions

Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)
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#### Mechanical specifications

Housing material	PBT
Sensing face	PBT
Protection degree	IP68

#### Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose