



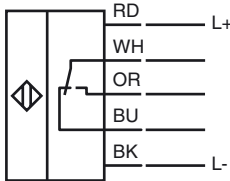
### Model Number

NBN15-30GK60-AR-1M

### Features

- Relay output
- Sensing range 15 mm
- SPDT output
- Switch load currents to 6 Amps

### Connection

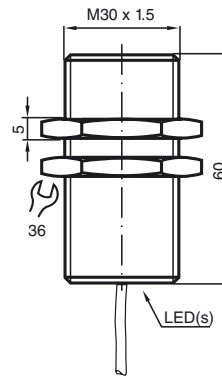


### Accessories

**BF 30**  
Mounting flange, 30 mm

**AB-30**  
Mounting aid

### Dimensions



### Technical Data

#### General specifications

|                            |       |                            |
|----------------------------|-------|----------------------------|
| Switching element function |       | SPDT Relay                 |
| Rated operating distance   | $s_n$ | 15 mm                      |
| Installation               |       | not embeddable             |
| Output polarity            |       | DC                         |
| Reduction factor $r_{AI}$  |       | 0.4                        |
| Reduction factor $r_{Cu}$  |       | 0.37                       |
| Reduction factor $r_{304}$ |       | 0.73                       |
| Mechanical life            |       | $2 \times 10^7$ operations |

#### Nominal ratings

|                                   |       |  |
|-----------------------------------|-------|--|
| Operating voltage                 | $U_B$ | 10 ... 30 V DC                               |
| 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

#### Ambient conditions

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

#### 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 |