

# Inductive sensor

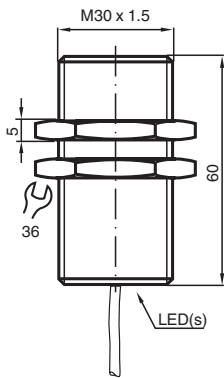
## NBN15-30GK60-UR-5M



- Relay output
- Sensing range 15 mm
- SPDT output
- AC/DC Model
- 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: $2 \times 10^7$ operations Full load: $1 \times 10^5$ switching cycles |
| Nominal ratings             |       |   |
| Hysteresis                  | H     | 1 ... 12 % typ. 10 %  |
| Reverse polarity protection |       | reverse polarity tolerant   |
| Short-circuit protection    |       | no  |
| Rated operating current     | $I_e$ | < 50 mA AC/DC   |
| Switching state indicator   |       | LED, red 360°   |

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## Technical Data

### Electrical specifications

|                         |       |                    |
|-------------------------|-------|--------------------|
| Rated operating voltage | $U_e$ | 20 ... 132 V AC/DC |
|-------------------------|-------|--------------------|

### Output

|                   |  |                             |
|-------------------|--|-----------------------------|
| Switching voltage |  | max 28 V DC , 250 V AC      |
| Switching current |  | 6 A , AC/DC, resistive load |
| Switching power   |  | max 180 W                   |

### Compliance with standards and directives

|                     |  |                  |
|---------------------|--|------------------|
| Standard conformity |  |                  |
| Standards           |  | EN IEC 60947-5-2 |

### 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      |   | cable                 |
| Housing material     |   | PBT                   |
| Sensing face         |   | PBT                   |
| Degree of protection |   | IP68                  |
| Cable                |   |                       |
| Wire end ferrules    |   | yes                   |
| Cable diameter       |   | 7.6 mm ± 0.25 mm      |
| Bending radius       |   | > 10 x cable diameter |
| Material             |   | PVC                   |
| Color                |   | black                 |
| Number of cores      |   | 5                     |
| Core cross section   |   | 0.75 mm <sup>2</sup>  |
| Length               | L | 5 m                   |
| Mass                 |   | 536 g                 |
| Dimensions           |   |                       |
| Length               |   | 60 mm                 |
| Diameter             |   | 30 mm                 |

## Connection

