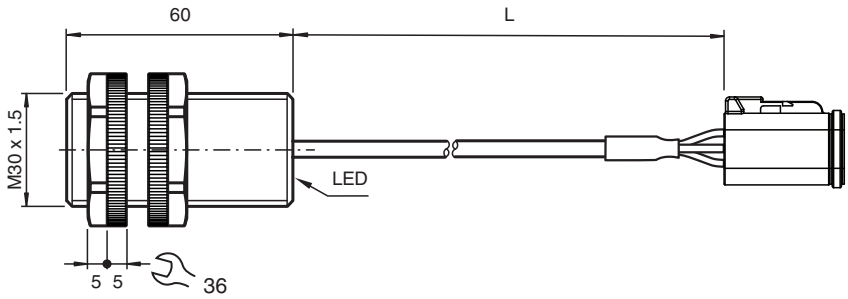


# Inductive sensor

## NBB10-30GK60-AR-180MM-6DT06

- Relay output
- Operating distance 10 mm
- SPDT output
- Switch load currents to 6 Amps
- Connection cable w/Deutsch plug

## Dimensions




## Technical Data

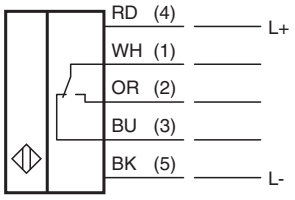
| | | |
|---|---|---|
| **General specifications** | | |
| Switching function | | change-over contact |
| Output type | | relay |
| Rated operating distance | $s_n$ | 10 mm |
| Installation | | flush |
| Output polarity | | DC |
| Reduction factor $r_{Al}$ | | 0.4 |
| Reduction factor $r_{Cu}$ | | 0.3 |
| 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 |
| Switching frequency | f | 20 Hz |
| Hysteresis | H | approx. 10 % |
| Reverse polarity protection | | yes |

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## Technical Data

| | | |
|---|---|---|
| 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 IEC 60947-5-2 |
| **Ambient conditions** | | |
| Ambient temperature | | -40 ... 70 °C (-40 ... 158 °F) |
| **Mechanical specifications** | | |
| Connection type | | fixed cable with plug |
| Core cross section | | 0.75 mm² |
| Housing material | | PBT |
| Sensing face | | PBT |
| Degree of protection | | IP68 |
| Connector | | |
| Connection assembly | | Connector: DT06-6S-C015<br>Terminal: 1062-16-0622<br>Wedge Lock: W6S<br>Connector Plug: 114017<br>Protective Loom: 911365 |
| Cable | | |
| Length | L | L = 170 m |
| Dimensions | | |
| Length | | 60 mm |
| Diameter | | 30 mm |

## Connection Assignment




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