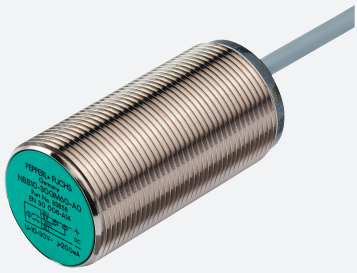


# Inductive sensor

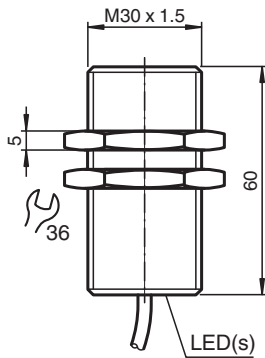
## NEB22-30GM60-E0



- 22 mm quasi flush
- Increased operating distance



### Dimensions



### Technical Data

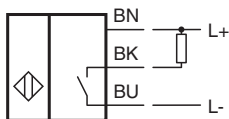
| General specifications     |       |                    |
|----------------------------|-------|--------------------|
| Switching function         |       | Normally open (NO) |
| Output type                |       | NPN                |
| Rated operating distance   | $s_n$ | 22 mm              |
| Installation               |       | quasi flush        |
| Output polarity            |       | DC                 |
| Assured operating distance | $s_a$ | 0 ... 17.8 mm      |
| Reduction factor $r_{Al}$  |       | 0.25               |
| Reduction factor $r_{Cu}$  |       | 0.22               |
| Reduction factor $r_{304}$ |       | 0.65               |
| Output type                |       | 3-wire             |
| Nominal ratings            |       |                    |
| Installation conditions    |       |                    |
| A                          |       | 6 mm               |
| B                          |       | 37 mm              |
| C                          |       | 66 mm              |
| F                          |       | 80 mm              |

Release date: 2025-04-09 Date of issue: 2025-04-09 Filename: 231571\_eng.pdf

## Technical Data

|   |       |  |
|---|-------|--|
| Operating voltage                               | $U_B$ | 10 ... 30 V  |
| Switching frequency                             | f     | 0 ... 150 Hz   |
| Hysteresis                                      | H     | ≤ 10 %   |
| Reverse polarity protection                     |       | reverse polarity protected                                   |
| Short-circuit protection                        |       | pulsing  |
| Voltage drop                                    | $U_d$ | ≤ 5 V  |
| Operating current                               | $I_L$ | 0 ... 200 mA   |
| Off-state current                               | $I_r$ | ≤ 0.1 mA   |
| No-load supply current                          | $I_0$ | ≤ 10 mA  |
| Switching state indicator                       |       | LED, yellow  |
| <b>Functional safety related parameters</b>     |       |  |
| MTTF <sub>d</sub>                               |       | 213 a  |
| Mission Time (T <sub>M</sub> )                  |       | 20 a   |
| Diagnostic Coverage (DC)                        |       | 0 %  |
| <b>Compliance with standards and directives</b> |       |  |
| Standard conformity                             |       |  |
| Standards                                       |       | EN IEC 60947-5-2   |
| <b>Approvals and certificates</b>               |       |  |
| CCC approval                                    |       | CCC approval / marking not required for products rated ≤36 V |
| <b>Ambient conditions</b>                       |       |  |
| Ambient temperature                             |       | -25 ... 70 °C (-13 ... 158 °F)                               |
| <b>Mechanical specifications</b>                |       |  |
| Connection type                                 |       | cable  |
| Housing material                                |       | chromium plated brass  |
| Sensing face                                    |       | PBT  |
| Degree of protection                            |       | IP67   |
| <b>Cable</b>                                    |       |  |
| Material  |       | PVC  |
| Color   |       | grey   |
| Number of cores                                 |       | 3  |
| Core cross section                              |       | 0.34 mm <sup>2</sup>   |
| Length  | L     | 2 m  |
| <b>Dimensions</b>                               |       |  |
| Length  |       | 60 mm  |
| Diameter  |       | 30 mm  |

## Connection



## Installation Conditions

