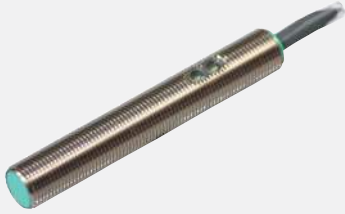


# Inductive sensor

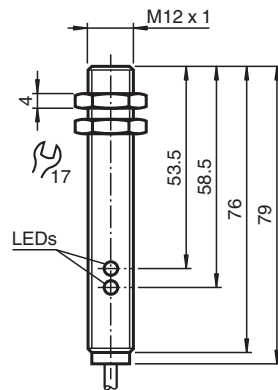
## NBB4-12GM75-US



- 4 mm flush
- 2-wire AC/DC



### Dimensions



### Technical Data

| General specifications      |       |                                 |
|-----------------------------|-------|---------------------------------|
| Switching function          |       | Normally open (NO)              |
| Output type                 |       | Two-wire                        |
| Rated operating distance    | $s_n$ | 4 mm                            |
| Installation                |       | flush                           |
| Output polarity             |       | AC/DC                           |
| Reduction factor $r_{AI}$   |       | 0.5                             |
| Reduction factor $r_{Cu}$   |       | 0.45                            |
| Reduction factor $r_{304}$  |       | 0.75                            |
| Output type                 |       | 2-wire                          |
| Nominal ratings             |       |                                 |
| Operating voltage           | $U_B$ | 20 ... 250 V AC/20 ... 300 V DC |
| Switching frequency         | $f$   | 30 Hz                           |
| Hysteresis                  | $H$   | 3 ... 15 typ. 5 %               |
| Reverse polarity protection |       | reverse polarity tolerant       |
| Short-circuit protection    |       | yes                             |
| Voltage drop                | $U_d$ | $\leq 8$ V                      |

Release date: 2022-06-22 Date of issue: 2022-06-22 Filename: 197866\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PF** PEPPERL+FUCHS

## Technical Data

|   |       |   |
|---|-------|---|
| Operating current                               | $I_L$ | 8 ... 200 mA AC/DC  |
| Off-state current                               | $I_r$ | $\leq 0.8$ mA   |
| Operating voltage indicator                     |       | LED, green  |
| Switching state indicator                       |       | LED, yellow   |
| <b>Compliance with standards and directives</b> |       |   |
| Standard conformity                             |       |   |
| Standards                                       |       | EN 60947-5-2:2007<br>EN 60947-5-2/A1:2012<br>IEC 60947-5-2:2007<br>IEC 60947-5-2 AMD 1:2012 |
| <b>Approvals and certificates</b>               |       |   |
| UL approval                                     |       | cULus Listed, General Purpose   |
| CSA approval                                    |       | cCSAus Listed, General Purpose  |
| CCC approval                                    |       | Certified by China Compulsory Certification (CCC)   |
| <b>Ambient conditions</b>                       |       |   |
| Ambient temperature                             |       | -25 ... 70 °C (-13 ... 158 °F)  |
| <b>Mechanical specifications</b>                |       |   |
| Connection type                                 |       | cablc PUR , 2 m   |
| Core cross section                              |       | 0.34 mm <sup>2</sup>  |
| Housing material                                |       | brass, nickel-plated  |
| Sensing face                                    |       | PBT   |
| Degree of protection                            |       | IP67  |
| <b>General information</b>                      |       |   |
| Scope of delivery                               |       | 2 self locking nuts in scope of delivery  |

## Connection

