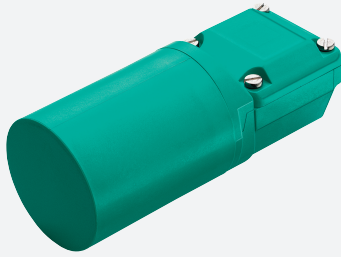


# Inductive sensor

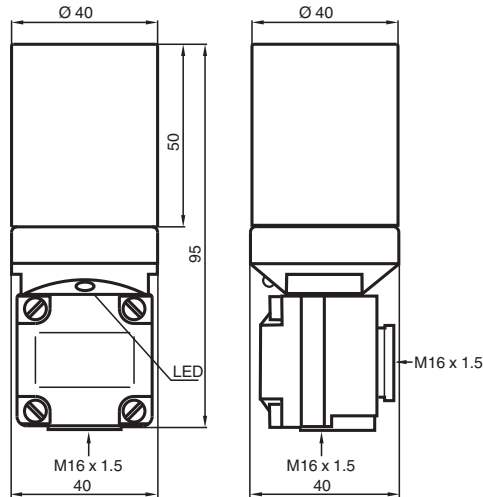
## NJ20-40-A2



- Comfort series
- 20 mm non-flush



### Dimensions



### Technical Data

| General specifications      |       |                            |
|-----------------------------|-------|----------------------------|
| Switching function          |       | complementary              |
| Output type                 |       | PNP                        |
| Rated operating distance    | $s_n$ | 20 mm                      |
| Installation                |       | non-flush                  |
| Output polarity             |       | DC                         |
| Assured operating distance  | $s_a$ | 0 ... 16.2 mm              |
| Reduction factor $r_{AI}$   |       | 0.4                        |
| Reduction factor $r_{Cu}$   |       | 0.3                        |
| Reduction factor $r_{304}$  |       | 0.85                       |
| Output type                 |       | 4-wire                     |
| Nominal ratings             |       |                            |
| Operating voltage           | $U_B$ | 10 ... 30 V                |
| Switching frequency         | $f$   | 0 ... 100 Hz               |
| Reverse polarity protection |       | reverse polarity protected |
| Short-circuit protection    |       | pulsing                    |

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

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 **PEPPERL+FUCHS**

Technical Data

|                                          |                |                                |
|------------------------------------------|----------------|--------------------------------|
| Voltage drop                             | U <sub>d</sub> | ≤ 3 V                          |
| Operating current                        | I <sub>L</sub> | 0 ... 200 mA                   |
| No-load supply current                   | I <sub>0</sub> | ≤ 20 mA                        |
| Switching state indicator                |                | LED, yellow                    |
| Compliance with standards and directives |                |                                |
| Standard conformity                      |                |                                |
| Standards                                |                | EN IEC 60947-5-2               |
| Approvals and certificates               |                |                                |
| UL approval                              |                | cULus Listed, General Purpose  |
| Ambient conditions                       |                |                                |
| Ambient temperature                      |                | -25 ... 70 °C (-13 ... 158 °F) |
| Mechanical specifications                |                |                                |
| Connection type                          |                | screw terminals                |
| Core cross section                       |                | up to 2.5 mm <sup>2</sup>      |
| Housing material                         |                | PBT                            |
| Sensing face                             |                | PBT                            |
| Degree of protection                     |                | IP67                           |
| Dimensions                               |                |                                |
| Length                                   |                | 95 mm                          |
| Diameter                                 |                | 40 mm                          |

Connection

