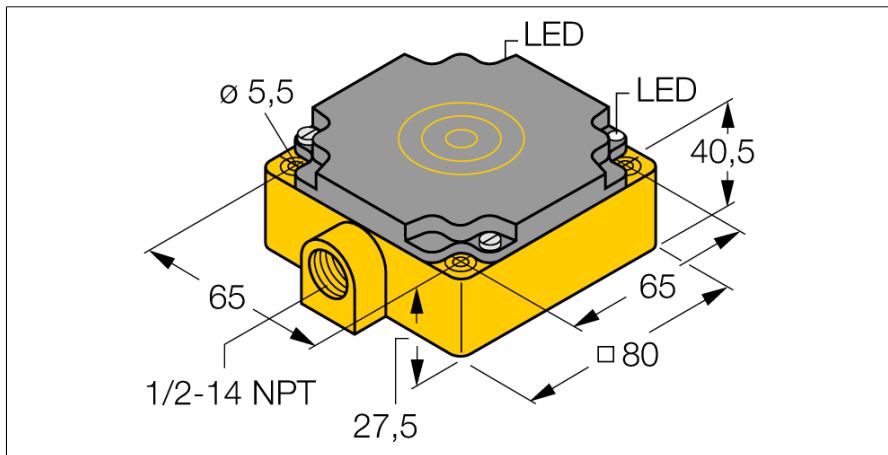


# Inductive sensor NI50-CP80-VN4X2/S10

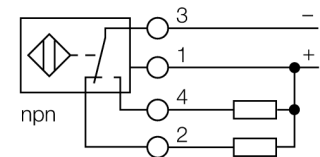
**TURCK**  
*works*

Industrial  
Automation



- Rectangular, height 41 mm
- Plastic, PBT-GF30-V0
- DC 4-wire, 10...65 VDC
- Changeover contact, NPN output
- Terminal chamber

## Wiring Diagram



|                                               |                                    |
|-----------------------------------------------|------------------------------------|
| <b>Type designation</b>                       | NI50-CP80-VN4X2/S10                |
| Ident-No.                                     | 15256                              |
| <b>Rated switching distance S<sub>n</sub></b> | 50 mm                              |
| Mounting conditions                           | Non-flush                          |
| Repeat accuracy                               | ≤ 2 % of full scale                |
| Hysteresis                                    | 3...15 %                           |
| <b>Operating voltage</b>                      | 10...65 VDC                        |
| Residual ripple                               | ≤ 10 % U <sub>ss</sub>             |
| DC rated operational current                  | ≤ 200 mA                           |
| No-load current I <sub>0</sub>                | ≤ 15 mA                            |
| Residual current                              | ≤ 0.1 mA                           |
| Isolation test voltage                        | ≤ 0.5 kV                           |
| Short-circuit protection                      | yes/ Cyclic                        |
| Voltage drop at I <sub>0</sub>                | ≤ 1.8 V                            |
| Wire breakage/Reverse polarity protection     | yes/ Complete                      |
| Output function                               | 4-wire, Complementary contact, NPN |
| Switching frequency                           | 0.1 kHz                            |
| <b>Design</b>                                 | Rectangular, CP80                  |
| Dimensions                                    | 80 x 80 x 41 mm                    |
| Housing material                              | Plastic, PBT-GF30-V0               |
| Electrical connection                         | Terminal chamber                   |
| Clamping ability                              | ≤ 2.5 mm <sup>2</sup>              |
| Vibration resistance                          | 55 Hz (1 mm)                       |
| Shock resistance                              | 30 g (11 ms)                       |

# Inductive sensor NI50-CP80-VN4X2/S10

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|                   |                |
|-------------------|----------------|
| <b>Distance D</b> | $3 \times B$   |
| Distance W        | $3 \times S_n$ |
| Distance S        | $1.5 \times B$ |
| Distance G        | $6 \times S_n$ |
| Distance A        | $1 \times B$   |
| Distance C        | $1 \times B$   |

|                            |       |
|----------------------------|-------|
| <b>Width active area B</b> | 80 mm |
|----------------------------|-------|

