

# Inductive sensor

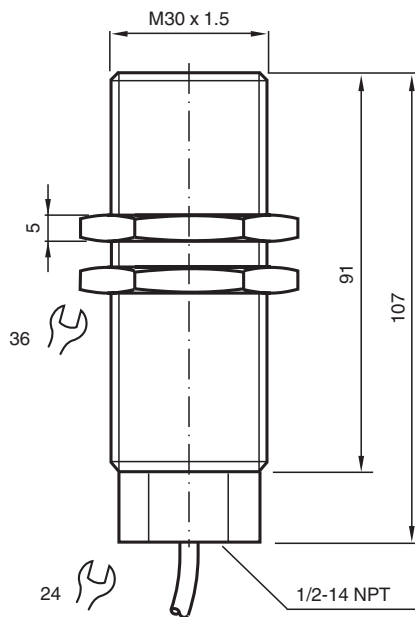
## 973EX4WI-A10T



- 7 mm flush
- 2-wire AC/DC
- Explosion-proof housing
- Stainless steel sensing face
- UL and CSA listed for use in Class I, II, and III, Division 1 and 2 hazardous locations



### Dimensions



### Technical Data

#### General specifications

|                    |                    |
|--------------------|--------------------|
| Switching function | Normally open (NO) |
|--------------------|--------------------|

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

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## Technical Data

|                                   |       |                                |
|-----------------------------------|-------|--------------------------------|
| Rated operating distance          | $s_n$ | 7 mm                           |
| Installation                      |       | flush                          |
| Output polarity                   |       | AC/DC                          |
| Assured operating distance        | $s_a$ | 5.67 mm                        |
| Actuating element                 |       | Ferrous targets                |
| Reduction factor $r_{Al}$         |       | 0                              |
| Reduction factor $r_{Cu}$         |       | 0                              |
| Reduction factor $r_{304}$        |       | 0.4 - 0.7                      |
| Reduction factor $r_{Si37}$       |       | 1                              |
| Output type                       |       | 2-wire AC/DC                   |
| <b>Nominal ratings</b>            |       |                                |
| Operating voltage                 | $U_B$ | 20 ... 250 V AC/DC             |
| Switching frequency               | f     | 15 Hz                          |
| Hysteresis                        | H     | 2 ... 15 % 5 typ.              |
| Reverse polarity protection       |       | reverse polarity protected     |
| Short-circuit protection          |       | no                             |
| Voltage drop                      | $U_d$ | $\leq 7$ V                     |
| Operating current                 | $I_L$ | 8 ... 200 mA                   |
| Off-state current                 | $I_r$ | 1.7 mA                         |
| <b>Approvals and certificates</b> |       |                                |
| UL approval                       |       | UL 1203                        |
| CSA approval                      |       | CSA 22.2, no. 30-M1986         |
| <b>Ambient conditions</b>         |       |                                |
| Ambient temperature               |       | -25 ... 70 °C (-13 ... 158 °F) |
| <b>Mechanical specifications</b>  |       |                                |
| Connection type                   |       | cablc PVC , 2 m                |
| Core cross-section                |       | 2 x 0.75 mm <sup>2</sup>       |
| Housing material                  |       | stainless steel (303/1.4305)   |
| Sensing face                      |       | stainless steel (303/1.4305)   |
| Degree of protection              |       | IP67 / IP68                    |

## Connection

