

Link do produktu: <https://automatyka.mjmkielce.pl/czujnik-ultradzwiekowy-ppf-ub2000-f42-e5-v15-p-86002.html>

## CZUJNIK ULTRADŹWIĘKOWY PPF UB2000-F42-E5-V15

|                  |                      |
|------------------|----------------------|
| Cena             | <b>1 199,00 zł</b>   |
| Numer katalogowy | <b>26040</b>         |
| Kod EAN          | <b>26040</b>         |
| Producent        | <b>PEPPERL+FUCHS</b> |

### Opis produktu

#### Dane techniczne UB2000-F42-E5-V15

|                            |                       |   |
|----------------------------|-----------------------|---|
| Opis produktu              |                       |   |
| Single head system         |                       |   |
| General specifications     |                       |   |
| Sensing range              |                       | 60 ... 2000 mm  |
| Adjustment range           |                       | 90 ... 2000 mm  |
| Dead band                  |                       | 0 ... 60 mm   |
| Standard target plate      |                       | 100 mm x 100 mm   |
| Transducer frequency       |                       | approx. 175 kHz   |
| Response delay             |                       | approx. 150 ms  |
| Indicators/operating means |                       |   |
| LED green                  |                       | solid green: Power on   |
| LED yellow                 |                       | solid: switching state switch output                                |
|                            |                       | flashing: program function  |
|                            |                       | normal operation: "fault"   |
|                            |                       | program function: no object detected                                |
| LED red                    |                       |   |
| Electrical specifications  |                       |   |
| Operating voltage          |                       | 10 ... 30 V DC , ripple 10 % <sub>SS</sub>                          |
| No-load supply current     |                       | ≤ 50 mA   |
| Input/Output               |                       |   |
| Synchronization            |                       | bi-directional  |
|                            |                       | 0 level -U <sub>B</sub> ...+1 V                                     |
|                            |                       | 1 level: +4 V...+U <sub>B</sub>                                     |
|                            |                       | input impedance: > 12 KOhm  |
|                            |                       | synchronization pulse: ≥ 100 μs,                                    |
|                            |                       | synchronization interpulse period: ≥ 2 ms                           |
| Synchronization frequency  |                       | max. 30 Hz  |
|                            | Common mode operation | ≤ 30/n Hz, n = number of sensors                                    |
|                            | Multiplex operation   |   |
| Output                     |                       |   |
| Output type                |                       | 1 switching output E5, PNP NO/NC, programmable                      |
| Rated operating current    |                       | 200 mA , short-circuit/overload protected                           |
| Default setting            |                       | Switch point A1: 90 mm , Switch point A2: 2000 mm , wide sound lobe |
| Voltage drop               |                       | ≤ 2.5 V   |
| Repeat accuracy            |                       | ≤ 0.5 % of switching point  |
| Switching frequency        |                       | ≤ 2.7 Hz  |
| Range hysteresis           |                       | 1 % of the set operating distance                                   |
| Temperature influence      |                       | ± 1 % of full-scale value   |
| Approvals and certificates |                       |   |
| UL approval                |                       | cULus Listed, General Purpose                                       |
| CSA approval               |                       | cCSAus Listed, General Purpose                                      |
| CCC approval               |                       | CCC approval / marking not required for products rated ≤36 V        |

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|                           |            |  |
|---------------------------|------------|--|
| Ambient conditions        |            |  |
| Ambient temperature       |            | -25 ... 70 °C (-13 ... 158 °F)   |
| Storage temperature       |            | -40 ... 85 °C (-40 ... 185 °F)   |
| Mechanical specifications |            |  |
| Connection type           |            | Connector M12 x 1 , 5-pin  |
| Degree of protection      |            | IP54   |
| Material                  |            |  |
|                           | Housing    | ABS  |
|                           | Transducer | epoxy resin/hollow glass sphere mixture;<br>foam polyurethane, cover PBT |
| Mass                      |            | 140 g  |