Baumer
Passion for Sensors

Ultrasonic through beam sensors

# UF200.EA0-GP2J.72N

Article number: 11708333

## Overview

- Most reliable object detection through barrier principle
- Acquisition of two independent limit values
- Detection of double sheets
- High performance in compact housing
- Metal connector

*Picture similar*

## Technical data

| General data | |
|---|---|
| Emitter / receiver | Receiver |
| Scanning range Sd | 0 … 1000 mm |
| Version | IO-Link |
| Object size (at Sd = 50 mm) | > 4 cm² |
| Hysteresis typ. | 5 % Sde |
| Repeat accuracy | 1 mm |
| Temperature drift | < 2 % Sde |
| Response time ton | < 2 ms |
| Release time toff | < 2 ms |
| Adjustment | qTeach, line-Teach, IO-Link |
| Sonic frequency | 310 kHz |
| Alignment aid | Light indicator flashing |
| Power on indication | LED green |
| **Electrical data** | |
| Voltage supply range +Vs | 12 … 30 VDC |
| Current consumption typ. | 16 mA |
| Output circuit | Push-pull |
| Output current | <100 mA |
| Voltage drop Vd | <3 VDC |
| Residual ripple | < 10 % Vs |
| Short circuit protection | Yes |
| Reverse polarity protection | Yes, Vs to GND |
| **Communication interface** | |
| Interface | IO-Link V1.1 |
| Baud rate | 230,4 kBaud (COM 3) |
| Cycle time | ≥ 0.8 ms |
| Process data length | 48 Bit |

| Communication interface | |
|---|---|
| Process data structure | Bit 0 = SSC1<br>Bit 1 = SSC2<br>Bit 3 = alarm<br>Bit 16-31 = 16 Bit measurement |
| IO-Link port type | Class A |
| Additional data | Excess gain<br>Operating cycles<br>Operating hours<br>Boot cycles<br>Operating voltage<br>Device temperature<br>Histograms |
| Adjustable parameters | Time filters<br>LED status indicators<br>Output logic<br>Output function<br>Counter<br>Deactivate the sensor element<br>Find Me function |
| **Mechanical data** | |
| Design | Rectangular |
| Housing material | Plastic (ASA, PMMA) |
| Width / diameter | 20.5 mm |
| Height / length | 41 mm |
| Depth | 15 mm |
| Connection types | Connector M8 4 pin |
| **Ambient conditions** | |
| Operating temperature | -25 … +65 °C |
| Storage temperature | -25 … +75 °C |
| Protection class | IP 67 |

2023-12-14 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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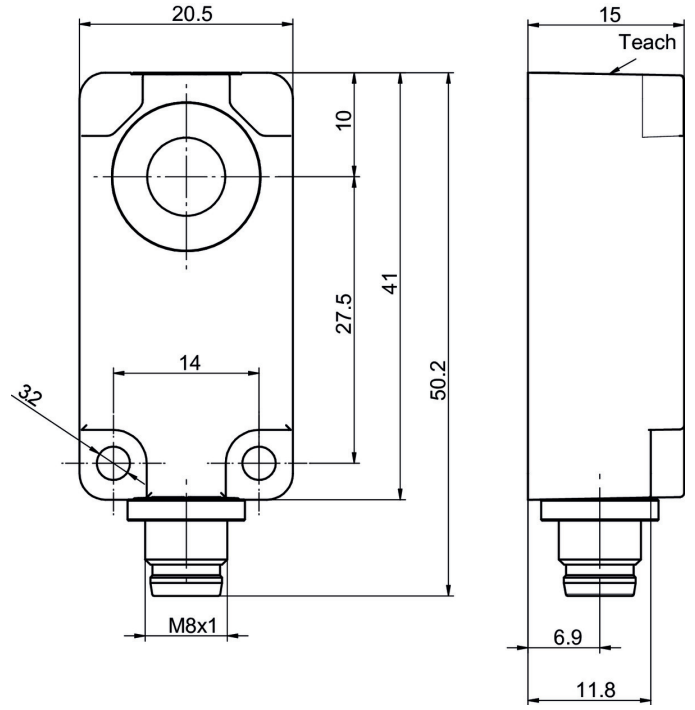
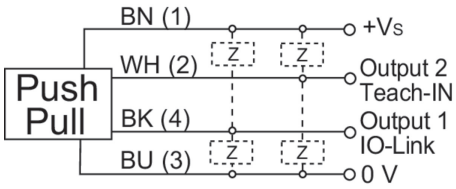
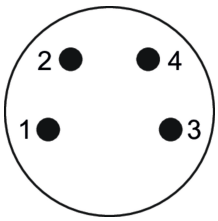
## Dimension drawing




## Connection diagram




## Pin assignment

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