

UM55PCV2

Part Number

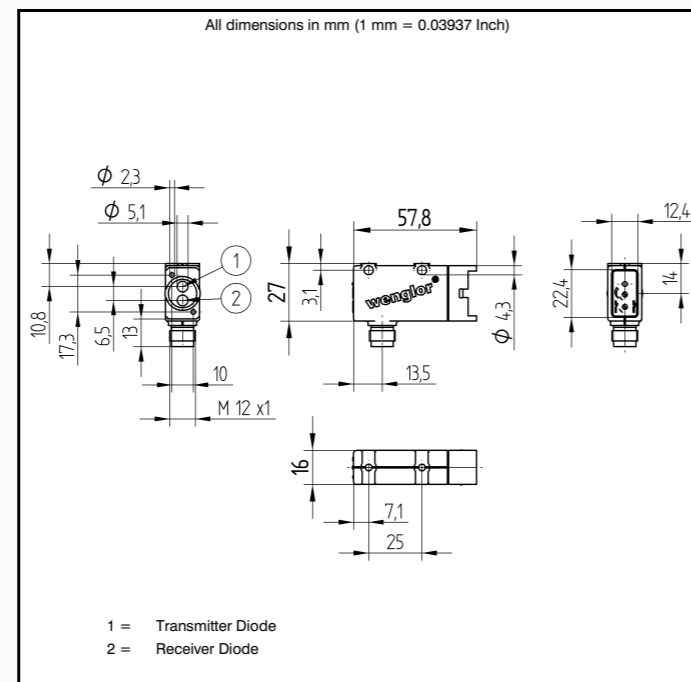
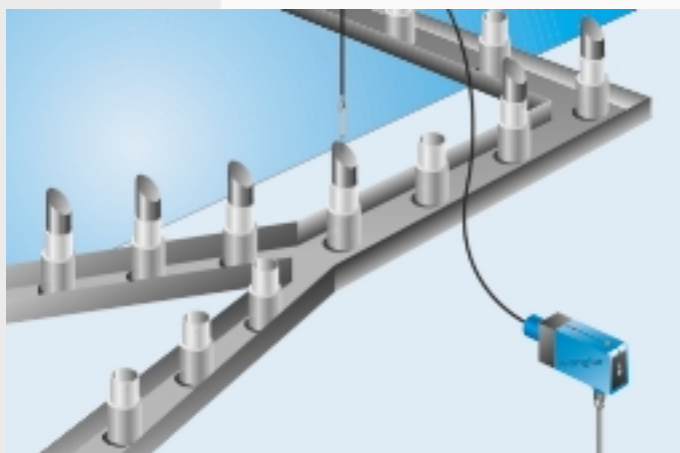


Technical Data

| Optical Data | |
|--|----------------|
| Range | 500 mm |
| Switching Hysteresis | < 15 % |
| Light Source | Infrared Light |
| Wave Length | 880 nm |
| Service Life (T = +25°C) | 100000 h |
| max. Ambient Light | 10000 Lux |
| Opening Angle | 12 ° |
| Electrical Data | |
| Supply Voltage | 10...30 V DC |
| Current Consumption (U _b = 24V) | < 40 mA |
| Switching Frequency | 1 kHz |
| Response Time | 500 μs |
| Temperature Drift | < 10 % |
| Temperature Range | -25...60 °C |
| Switching Output Voltage Drop | < 2.5 V |
| PNP Switching Output/Switching Current | 200 mA |
| Residual Current Switching Output | < 50 μA |
| PNP Contamination Output/Switching Current | 50 mA |
| Short Circuit Protection | yes |
| Reverse Polarity Protection | yes |
| Overload Protection | yes |
| Mechanical Data | |
| Adjustment | Potentiometer |
| Housing | Plastic |
| Full Encapsulation | yes |
| Protection Mode | IP 67 |
| Connection | M 12x1 |

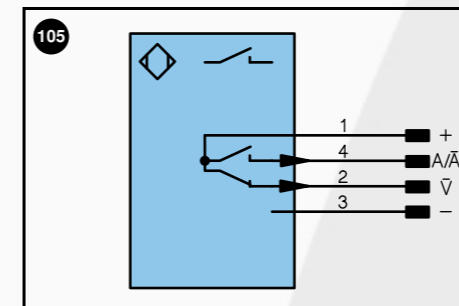
- Switching Distance Adjuster
- Switching Frequency: 1 kHz

The transmitter and the receiver are integrated into a single housing. The sensor evaluates transmitted light reflected back from the object. The output is switched as soon as an object passes the selected range. Bright objects reflect more light than dark objects, and can thus be recognized from greater distances. These sensors are equipped for use with glass fiber optic cable. They can be used with or without glass fiber optic cable.



Specifications are subject to change without notice
28/02

| Part Number | Plug Version |
|------------------------------------|--------------|
| UM55PCV2 | |
| Contamination Output | ● |
| PNP NO/NC switchable | ● |
| Connection Diagram No. | 105 |
| Control Panel No. | M 2 |
| Suitable Plug No. | 1 |
| Suitable Fiber Optic Cabel Adapter | 2 |

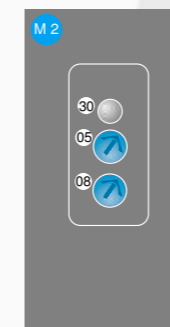


| Legend | | Wire colors according to DIN IEC 757 |
|--------|-----------------------------------|--------------------------------------|
| + | Power supply "+" | BK black |
| - | Power supply "0V" | BN brown |
| ~ | Power supply (AC Voltage) | RD red |
| A | Switching output (1,2,3...) / NO | OG orange |
| Ā | Switching output (1,2,3...) / NC | YE yellow |
| V | Contamination / Error output (NO) | GN green |
| ∇ | Contamination / Error output (NC) | BU blue |
| E | Input (analog or digital) | VT violet |
| T | Teach input | GY grey |
| Z | Time delay (activation) | WH white |
| S | Shielding | PK pink |
| RxD | RS-232 receive path | GNYE green yellow |
| TxD | RS-232 send path | |
| U | Test input | |
| W | Trigger input | |
| O | Analog output (1,2,3,...) | |
| O- | Ground for the analog output | |
| BZ | Block discharge | |
| AWV | Valve output | |
| a | Valve control output "+" | |
| b | Valve control output "0V" | |
| SY | Synchronization | |
| E+ | Receiver-Line | |
| S+ | Emitter-Line | |
| ⊕ | Grounding | |

Accessories

- Mounting Bracket WM2
- Glass Fiber Optic Cable

Ctrl. Panel



- 05 = Switching Distance Adjuster
- 08 = NO/NC Switch
- 30 = Switching Status/Contamination Warning