

UF66VCF3

Part Number

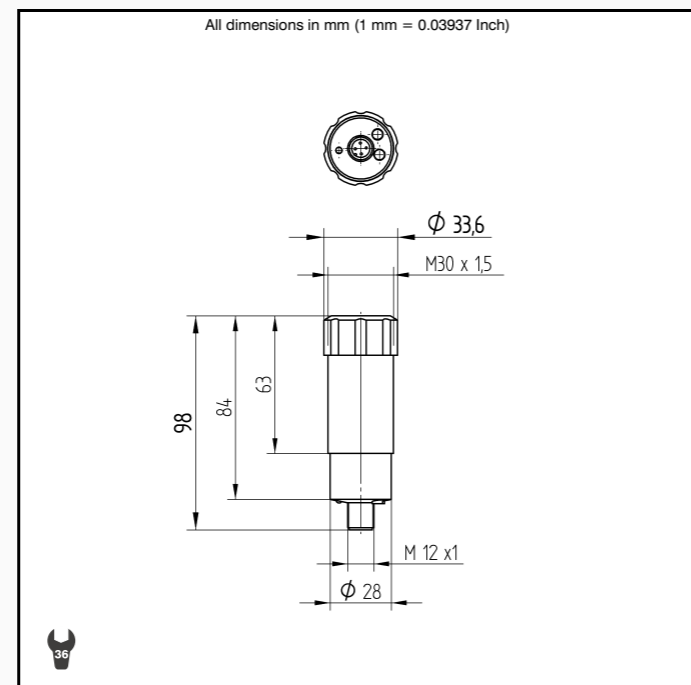
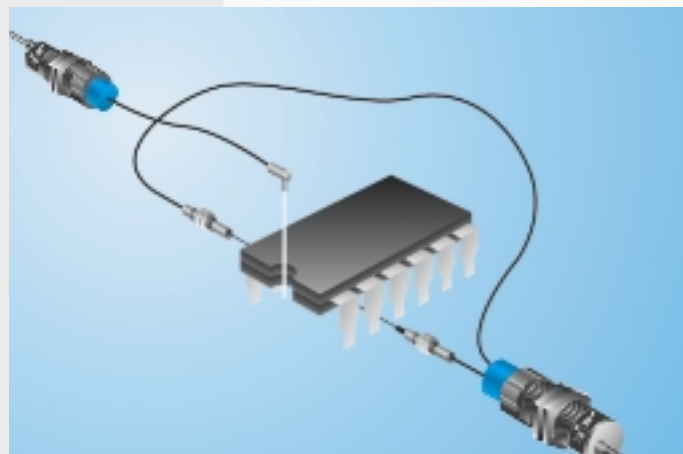


Technical Data

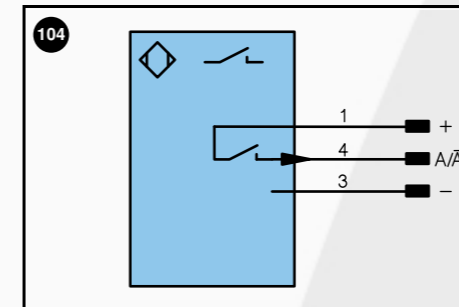
| Optical Data | |
|--|----------------|
| Range | 1000 mm |
| Switching Hysteresis | < 15 % |
| Light Source | Infrared Light |
| Service Life (T = +25°C) | 100000 h |
| max. Ambient Light | 10000 Lux |
| Opening Angle | 12° |
| Electrical Data | |
| Supply Voltage | 10...30 V DC |
| Current Consumption (U _b = 24V) | < 40 mA |
| Switching Frequency | 5 kHz |
| Response Time | 100 μs |
| Temperature Drift | < 10 % |
| Temperature Range | -10...60 °C |
| Switching Output Voltage Drop | < 2.5 V |
| Switching Output/Switching Current | 200 mA |
| Residual Current Switching Output | < 50 μA |
| Short Circuit Protection | yes |
| Reverse Polarity Protection | yes |
| Overload Protection | yes |
| Mechanical Data | |
| Housing | BrasNicPlated |
| Full Encapsulation | yes |
| Protection Mode | IP 65 |
| Connection | M 12x1 |

- Adaptable for Glass Fiber Optic Cabel
- Adjustable Time Delay
- Recognition of small parts
- Switching Frequency: 5 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 cabel. They can be used with or without glass fiber optic cabel.



| Part Number | Plug Version |
|------------------------------------|--------------|
| UF66VCF3 | |
| PNP NO/NC switchable | ● |
| Connection Diagram No. | 104 |
| Control Panel No. | F 3 Fo2 |
| Suitable Plug No. | 1 |
| Suitable Fiber Optic Cabel Adapter | 1 |

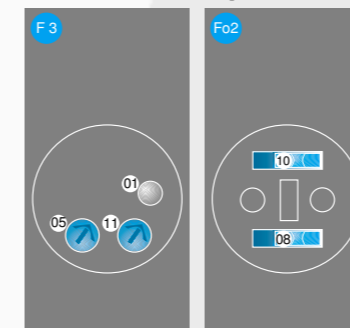


| Legend | | Wire colors according to DIN IEC 757 |
|--------|-----------------------------------|--------------------------------------|
| + | Power supply "+" | BK black |
| - | Power supply "0V" | BN brown |
| ~ | Power supply (AC Voltage) | RD red |
| A | Switching output (1,2,3...)/ NO | OG orange |
| A̅ | Switching output (1,2,3...)/ NC | YE yellow |
| V | Contamination / Error output (NO) | GN green |
| V̅ | 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 | |
| Aw | Valve output | |
| a | Valve control output "+" | |
| b | Valve control output "0V" | |
| SY | Synchronization | |
| E+ | Receiver-Line | |
| S+ | Emitter-Line | |
| ⊕ | Grounding | |

Accessories

- Mounting Bracket W30
- Glass Fiber Optic Cable
- Glass Disc GS2

Ctrl.Panel Optic



- 01 = Switching Status Indicator
- 05 = Switching Distance Adjuster
- 08 = NO/NC Switch
- 10 = ON-Delay/ OFF-Delay Switch
- 11 = ON-Delay/ OFF-Delay Switch