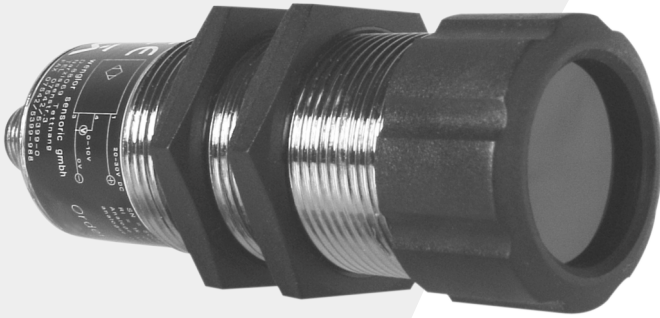


# Analog Reflex Sensor



## UF55MV3

Part Number



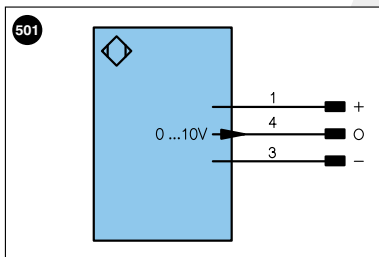
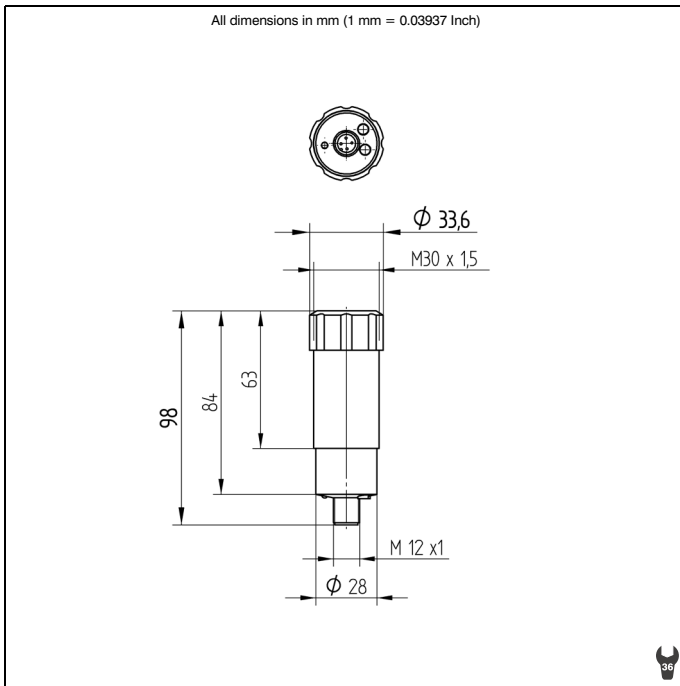
- Adjustable Slope
- Analog Output: 0...10 V DC
- Linear Output Signal Proportional to Obstruction of Glass Fiber

### Technical Data

Optical Data	
Measuring Range	150...600 mm
Resolution	2 %
Light Source	Infrared Light
Wave Length	880 nm
Service Life (T = +25°C)	100000 h
max. Ambient Light	10000 Lux
Electrical Data	
Supply Voltage	20...30 V DC
Current Consumption (U <sub>b</sub> = 24V)	< 40 mA
Switching Frequency	50 Hz
Response Time	10 ms
Temperature Drift	3 %
Temperature Range	-10...60 °C
Analog Output	0...10 V
Output Resistance Analog Output	1 kOhm
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Mechanical Data	
Adjustment	Potentiometer
Housing	CuZn, nickel-plated
Full Encapsulation	yes
Degree of Protection	IP65
Connection	M12 x 1
Analog Output	
Connection Diagram No.	
Control Panel No.	
Suiting Connection Technology No.	
Suiting Mounting Technology No.	
Suitable Fiber Optic Cable Adapter	

This sensor is especially well suited for applications with glass fiber optic cable curtains.





Legend			
+	Supply Voltage +	U	Test Input
-	Supply Voltage 0V	Ū	Test Input inverted
~	Supply Voltage (AC Voltage)	W	Trigger Input
A	Switching Output (1,2,3...)/NO	O	Analog Output
Ā	Switching Output (1,2,3...)/NC	O-	Ground for the Analog Output
V	Contamination/Error Output (NO)	BZ	Block Discharge
V̄	Contamination/Error Output (NC)	Awv	Valve Output
E	Input (analog or digital)	a	Valve Control Output +
T	Teach Input	b	Valve Control Output 0V
Z	Time Delay (activation)	SY	Synchronization
S	Shielding	E+	Receiver-Line
RxD	RS-232 Receive Path	S+	Emitter-Line
TxD	RS-232 Send Path	±	Grounding
RDY	Ready	SnR	Switching Distance Reduction
GND	Ground	USBD+	USB data +
CL	Clock	USBD-	USB data -
E/A	Output/Input programmable	Bus	Interfaces-Bus A(+)/B(-)
	IO-Link	La	Emitted Light disengageable

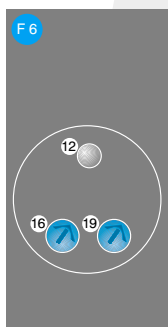
  

Wire Colors according to DIN IEC 757	
BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green Yellow

## Complimentary Products

Glass Fiber Optic Light Curtain

## Ctrl. Panel



- 12 = Analog Output Indicator
- 16 = Working Distance Adjustment
- 19 = Zero Adjustment