

UC66PA3

Part Number

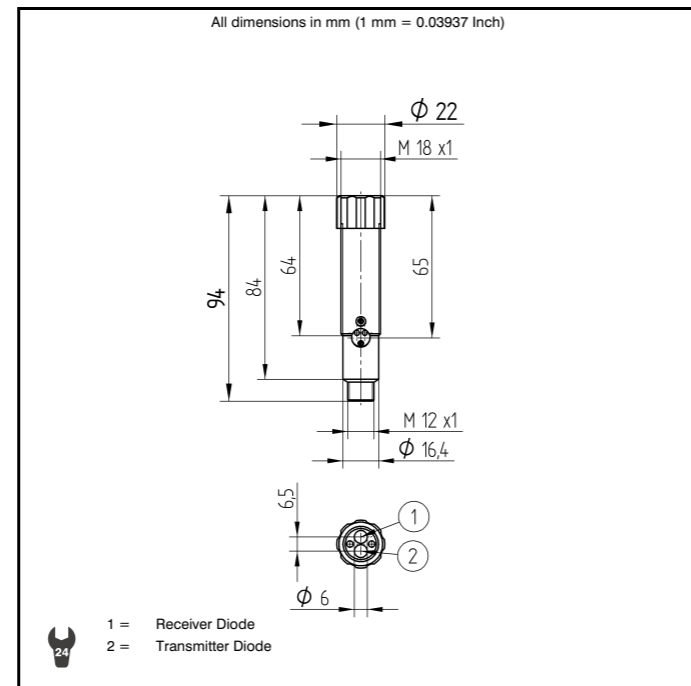
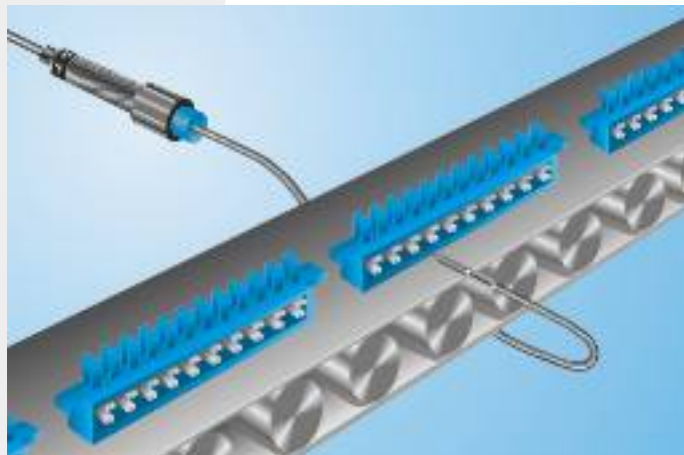


Technical Data

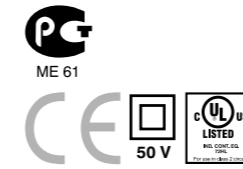
Optical Data	
Range	1000 mm
Switching Hysteresis	< 15 %
Light Source	Infrared Light
Service Life (T = +25°C)	100000 h
max. Ambient Light	10000 Lux
Opening Angle	12 °
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (U _b = 24V)	< 40 mA
Switching Frequency	1 kHz
Response Time	500 μs
Temperature 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
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Mechanical Data	
Housing	Stainless Steel
Full Encapsulation	yes
Degree of Protection	IP 65
Connection	M12 x 1
Protective Insulation, Rated Voltage	50 V

- Adaptable for Glass Fiber Optic Cable: Reflex and Through Beam Mode
- Adjustable Detection Range
- Large Detection Range
- Stainless Steel Housing

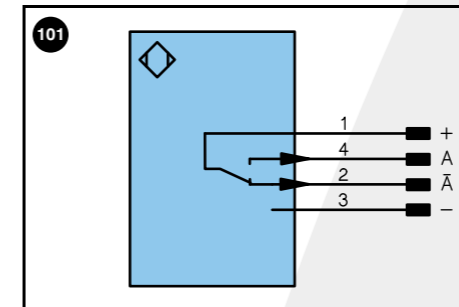
The transmitter and the receiver are integrated into a single housing. The sensor evaluates transmitted light reflected back from the object. The output is switched as soon as an object passes the selected range. Bright objects reflect more light than dark objects, and can thus be recognized from greater 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
39/03



Plug Version	Part Number
PNP NO/NC antivalent	●
Connection Diagram No.	101
Control Panel No.	D 6
Suitable Plug No.	1
Suitable Fiber Optic Cabel Adapter	2



Legend			Wire colors according to DIN IEC 757		
+	Power supply "+"	U	Test input	BK	black
-	Power supply "0V"	W	Trigger input	BN	brown
~	Power supply (AC Voltage)	O	Analog output (1,2,3,...)	RD	red
A	Switching output (1,2,3...) / NO	O-	Ground for the analog output	OG	orange
A	Switching output (1,2,3...) / NC	SZ	Block discharge	YE	yellow
V	Contamination / Error output (NO)	AW	Valve output	GN	green
V	Contamination / Error output (NC)	a	Valve control output "+"	BU	blue
E	Input (analog or digital)	b	Valve control output "0V"	VT	violet
T	Teach input	SY	Synchronization	GY	grey
Z	Time delay (activation)	E+	Receiver-Line	WH	white
S	Shielding	S+	Emitter-Line	PK	pink
Rd	RS-232 receive path	⊕	Grounding	GNYE	green yellow
TxD	RS-232 send path	S&R	Switching Distance Reduction		
RDY	Ready	USB+	USB data +		
GRD	Ground	USB-	USB data -		
CL	Clock	Ba	Interfaces-Bus A(+)/B(-)		
E/A	Output/Input programmable	La	Emitted light disengageable		

Accessories

- Mounting Clamp BSM18B
- Mounting Bracket W18
- Glass Fiber Optic Cable
- Glass Disc GS1

Ctrl. Panel



- 01 = Switching Status Indicator
- 02 = Contamination Warning
- 05 = Switching Distance Adjuster