

XM98PAH2

Part Number

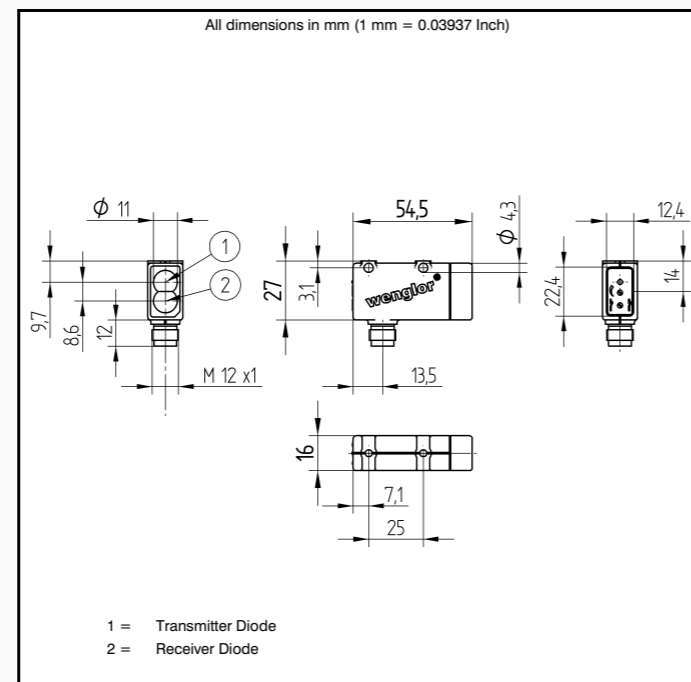
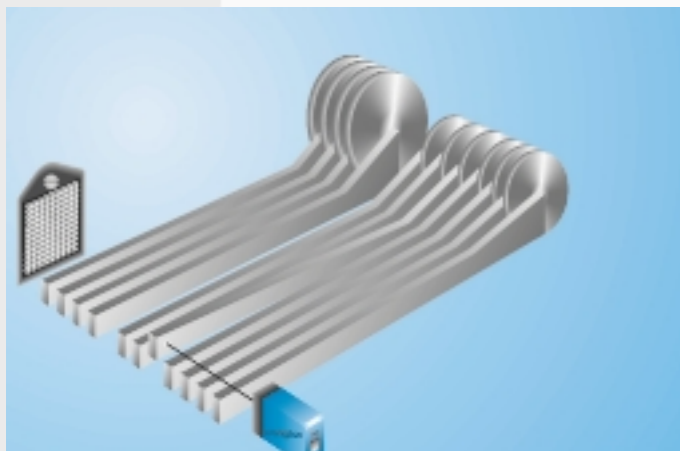


Technical Data

Optical Data	
Range	15000 mm
Reference Reflector	RQ100BA
max. Distance on Reflector	80 mm
Smallest Recognizable Part	> 2500 μ m
Switching Hysteresis	< 15 %
Light Source	
Wave Length	670 nm
Polarization Filter	yes
Service Life (T = +25°C)	100000 h
Laser Protection Class (EN 60825-1)	2
max. Ambient Light	10000 Lux
Opening Angle	0.6 °
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (U _b = 24V)	< 30 mA
Switching Frequency	3 kHz
Response Time	166 μ s
Time Delay	5 ms
Temperature Drift	< 10 %
Temperature Range	-10...60 °C
Switching Output Voltage Drop	< 2.5 V
PNP Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Mechanical Data	
Housing	Plastic
Full Encapsulation	yes
Protection Mode	IP 67
Connection	M 12x1
Protective Insulation, Rated Voltage	50 V

- Range: 15 m
- Smallest Recognizable Part: 2.5 mm
- Switching Frequency: 3 kHz
- Time Delay

A reflector must be used in combination with these sensors. They can be installed in all kinds of industrial environments thanks to ample functional reserve. Even reflective objects can be reliably recognized through the use of polarized light.

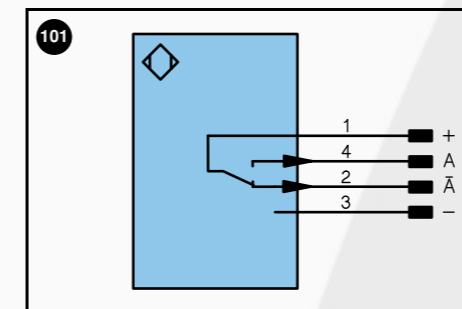


Specifications are subject to change without notice
38/03

Plug Version	Part Number
●	XM98PAH2
●	101
●	M 6
●	2



PNP NO/NC antivalent	●
Connection Diagram No.	101
Control Panel No.	M 6
Suitable Plug No.	2

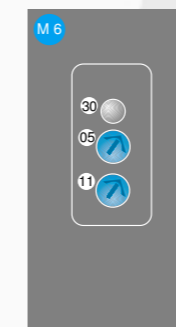


Legend		Wire colors according to DIN IEC 757
+	Power supply "+"	BK black
-	Power supply "0V"	BN brown
-	Power supply (AC Voltage)	RD red
A	Switching output (1,2,3...)/ NO	OG orange
A	Switching output (1,2,3...)/ NC	YE yellow
V	Contamination / Error output (NO)	GN green
V	Contamination / Error output (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	PK pink
TxD	RS-232 send path	GNYE green yellow
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 WM2
- Reflector, Reflector Tape

Ctrl. Panel



- 05 = Switching Distance Adjuster
- 11 = ON-Delay/ OFF-Delay Switch
- 30 = Switching Status/Contamination Warning

Smallest Recognizable Part

