

XM98PDVH2

Part Number

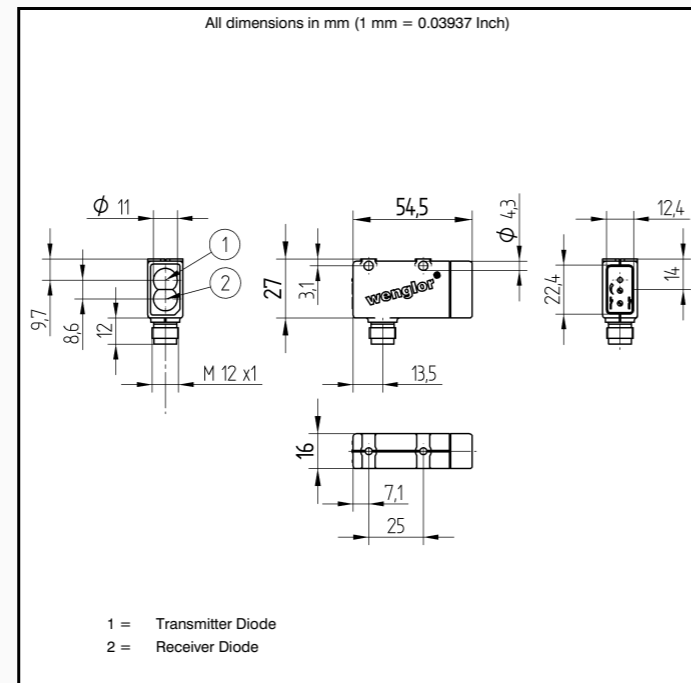
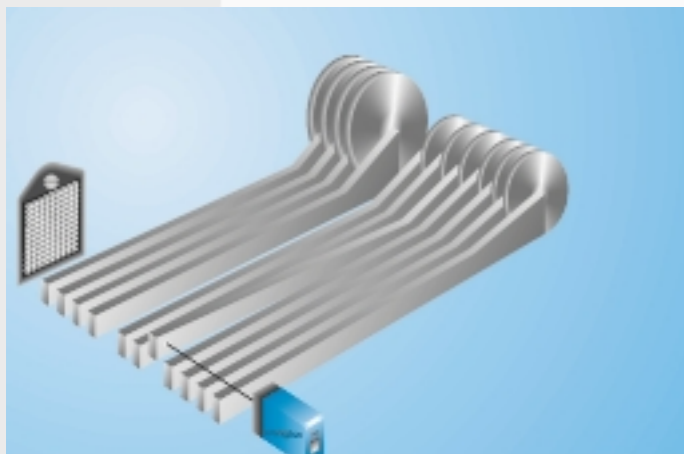


Technical Data

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
PNP Contamination Output/Switching Current	50 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

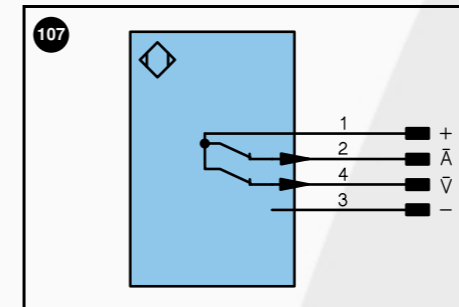
- Range: 15 m
- Smallest Recognizable Part: 2.5 mm
- Switching Frequency: 3 kHz
- Time Delay

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	XM98PDVH2
Contamination Output	●
PNP NC	●
Connection Diagram No.	107
Control Panel No.	M 6
Suitable Plug No.	1



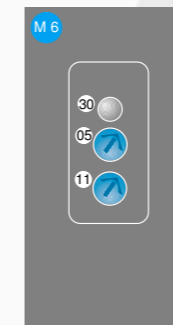
Legend		
+	Power supply "+"	U Test input
-	Power supply "0V"	W Trigger input
~	Power supply (AC Voltage)	O Analog output (1,2,3,...)
A	Switching output (1,2,3...)/ NO	O- Ground for the analog output
A	Switching output (1,2,3...)/ NC	BZ Block discharge
V	Contamination / Error output (NO)	Aw Valve output
V	Contamination / Error output (NC)	a Valve control output "+"
E	Input (analog or digital)	b Valve control output "0V"
T	Teach input	SY Synchronization
Z	Time delay (activation)	E+ Receiver-Line
S	Shielding	S+ Emitter-Line
RxD	RS-232 receive path	⊕ Grounding
TxD	RS-232 send path	

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
GYNE	green yellow

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

