

Retro-Reflex Sensor for Clear Glass Recognition

OPT282

Part Number

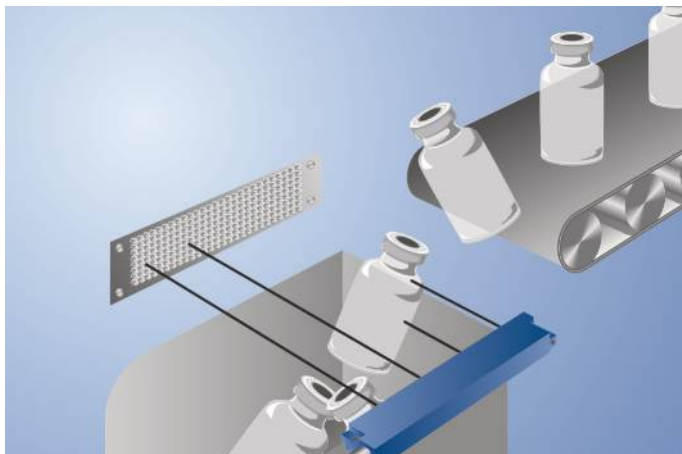


- Dynamic readjustment of the switching threshold
- Recognition of clear glass
- Teach-in, external teach-in

Technical Data

Optical Data	
Range	4000 mm
Reference Reflector/Reflector Foil	2 × RQ100BA
Clear Glass Recognition	yes
Switching Hysteresis	< 5 %
Light Source	Red Light
Polarization Filter	yes
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	5 °
Single-Lens Optic	yes
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (U _b = 24 V)	< 60 mA
Switching Frequency	2 kHz
Response Time	250 μs
Temperature Drift	< 5 %
Temperature Range	-10...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
Lockable	yes
Protection Class	III
Mechanical Data	
Setting Method	Teach-In
Housing Material	Plastic
Full Encapsulation	yes
Degree of Protection	IP67
Connection	M12 × 1; 4-pin
PNP NO/NC switchable	●
Connection Diagram No.	152
Control Panel No.	M7
Suitable Connection Equipment No.	2

A reflector must be used in combination with these sensors. A single housing contains four sensors which are linked by an OR-logic. The output switches as soon as one of the beams is interrupted. As a result, large areas are easy to monitor. Even crystal-clear objects and sheet products can be reliably recognized.



Complementary Products

PNP-NPN Converter BG2V1P-N-2M
Reflector, Reflector Foil

