

# Retro-Reflex Sensor for Clear Glass Recognition

## KN88NA3

Part Number

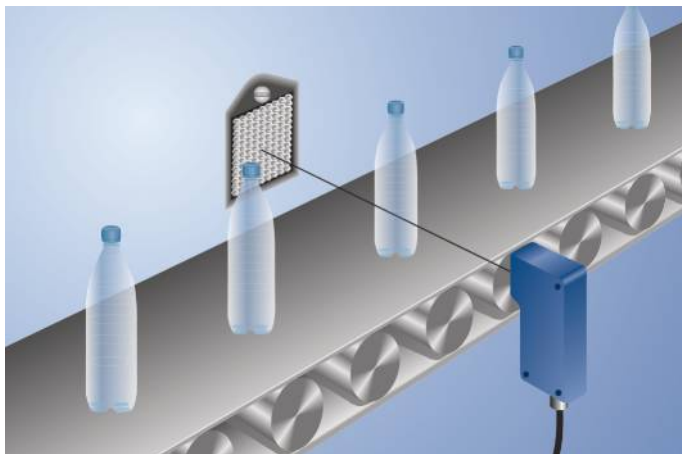


- Foil detection
- Recognition of clear glass
- Recognition of PET bottles

### Technical Data

Optical Data	
Range	2600 mm
Reference Reflector/Reflex Foil	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	3 °
Single-Lens Optic	yes
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (U <sub>b</sub> = 24 V)	< 40 mA
Switching Frequency	2500 Hz
Response Time	200 μs
Temperature Drift	< 3 %
Temperature Range	-10...60 °C
Switching Output Voltage Drop	< 2,5 V
NPN Switching Output/Switching Current	100 mA
Residual Current Switching Output	< 50 μA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III
Mechanical Data	
Setting Method	Potentiometer
Housing Material	Plastic
Full Encapsulation	yes
Degree of Protection	IP67
Connection	M12 × 1; 4-pin
NPN NO/NC antivalent	●
Connection Diagram No.	<b>301</b>
Control Panel No.	<b>N1   No1</b>
Suitable Connection Technology No.	<b>2</b>
Suitable Mounting Technology No.	<b>350</b>

Retro-reflex sensors must be used in combination with a reflector and even crystal-clear objects and sheet products can be reliably recognized.



### Complementary Products

Dust extraction tube STAUBTUBUS-03
Protection Housing Set ZSN-NN-02
Reflector, Reflex Foil

