

Reflex Sensor for Roller Conveyor Systems

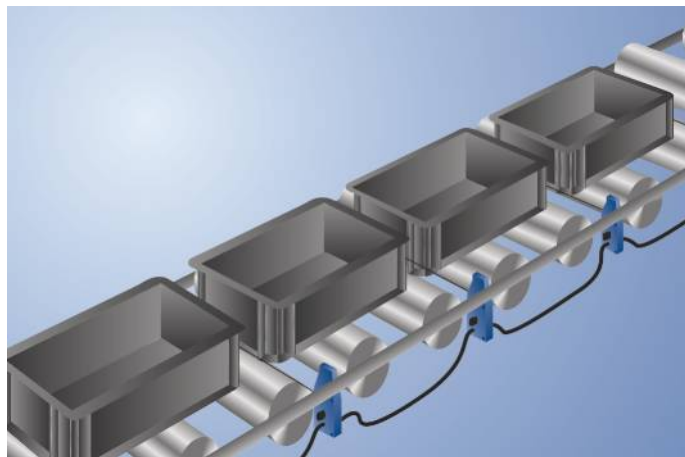
OPT1504

Part Number



- Energy savings thanks to EcoMode
- Optimized performance
- Quick wiring
- Scaled switching distance adjuster
- Time-saving installation with fast-clip mounting system

These sensors have been specially designed for use in accumulation roller conveyors. Their compact design allows for installation between rollers below the transport level. High-precision background suppression makes it possible to reliably detect even black objects at up to 900 mm. The scaled switching-distance adjuster assures quick and simple adjustment to the desired distance. Thanks to the innovative fast-clip mounting system and quick wiring, the sensor are installed and ready for use in no time flat.



Technical Data

Optical Data	
Range	900 mm
Switching Hysteresis	< 5 %
Light Source	Infrared Light
Wavelength	860 nm
Service Life (T = +25 °C)	100000 h
Risk Group (EN 62471)	1
Max. Ambient Light	90000 Lux
Opening Angle	3 °

Electrical Data	
Supply Voltage	23...27,8 V DC
Current Consumption Sensor (U _b = 24 V)	< 16 mA
EcoMode	yes
Switching Frequency	100 Hz
Response Time	5 ms
Temperature Drift	< 5 %
Temperature Range	-40...60 °C
Number of Switching Outputs	1
Switching Output Voltage Drop	< 0,9 V
PNP Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Logic	yes
Single Discharge	yes
Block Forwarding	yes
Solenoid Valve	yes
Protection Class	III

Mechanical Data	
Setting Method	Potentiometer
Housing Material	Plastic
Degree of Protection	IP65
Connection	M12 × 1; 4-pin
Cable Length	150 cm

Pneumatic Solenoid Valve Unit	
Valve no.	K03
Supply Voltage Valve	21,6...26,4 V
Current Consumption Valve	42 mA
Valve temperature range	-10...55 °C
Operating Pressure	0...8 bar
Nominal Width	0,9 mm
Nominal flow rate 1 -> 2	22 NL/min
Nominal flow rate 2 -> 3	25 NL/min
Supply-Line Connector Pipe	2 × 8 × 1
Working-Line Connector Pipe	4 × 1
Valve function	3/2-Way
Switching function	NO

PNP NC	●
Connection Diagram No.	734
Control Panel No.	OP1
Suitable Connection Equipment No.	2 2s
Suitable Mounting Technology No.	421

Complementary Products

Adapter OPT70N, OPT70S, OPT70P
ZPTX001 Quick Mount

