

Through Beam Sensor



SA250-P24

Part Number

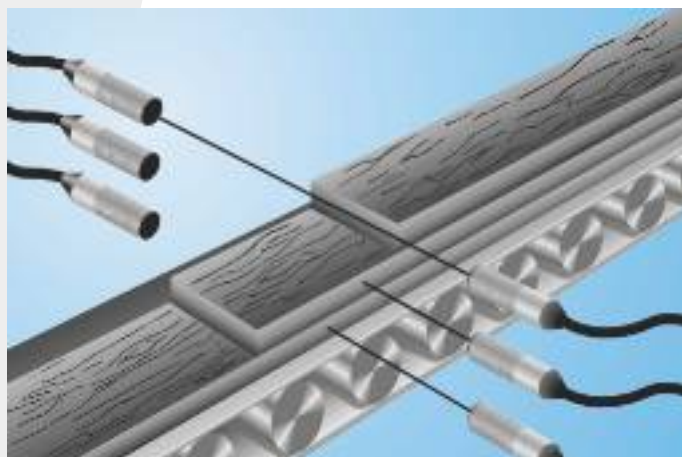


Technical Data

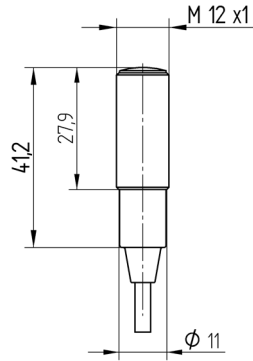
Optical Data	
Range / adjustable	25000 mm
Light Source	Infrared Light
Service Life (T = +25°C)	100000 h
Opening Angle	12 °
Electrical Data	
Sensor Type	Emitter
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Mechanical Data	
Housing	CuZn, nickel-plated
Full Encapsulation	yes
Degree of Protection	IP67
Connection	Prewired
Cable Length	6 m
Connection Diagram No.	856
Suiting Mounting Technology No.	170

- For connection to LV 250 control module
- Functions reliably with severe contamination
- No interactive influence

These through-beam sensors work in combination with the LV250 controller. They can be freely positioned as desired. Thanks to their large working range, the devices demonstrate excellent functional reliability in highly contaminated environments.



All dimensions in mm (1 mm = 0.03937 Inch)



856



WH S+
BU -

Legend

+	Supply Voltage +	U	Test Input
-	Supply Voltage 0V	Ū	Test Input inverted
~	Supply Voltage (AC Voltage)	W	Trigger Input
A	Switching Output (1,2,3...)/NO	O	Analog Output
Ā	Switching Output (1,2,3...)/NC	O-	Ground for the Analog Output
V	Contamination/Error Output (NO)	BZ	Block Discharge
Ū	Contamination/Error Output (NC)	AWV	Valve Output
E	Input (analog or digital)	a	Valve Control Output +
T	Teach Input	b	Valve Control Output 0V
Z	Time Delay (activation)	SY	Synchronization
S	Shielding	E+	Receiver-Line
RxD	RS-232 Receive Path	S+	Emitter-Line
TxD	RS-232 Send Path	±	Grounding
RDY	Ready	SnR	Switching Distance Reduction
GND	Ground	USBD+	USB data +
CL	Clock	USBD-	USB data -
E/A	Output/Input programmable	Bus	Interfaces-Bus A(+)/B(-)
	IO-Link	La	Emitted Light disengageable

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
GNYE	Green Yellow

Complimentary Products

Controller LV250