

Through-Beam Sensor

EK96VD8

Part Number



- Miniature design
- Rugged design with full encapsulation

Technical Data

Optical Data

Range	6000 mm
Smallest Recognizable Part	1 mm
Switching Hysteresis	< 15 %
Light Source	Red Light
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	4 °

Electrical Data

Sensor Type	Receiver
Supply Voltage	10...30 V DC
Current Consumption (U _b = 24 V)	< 20 mA
Switching Frequency	500 Hz
Response Time	1 ms
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Switching Output Voltage Drop	< 2,5 V
PNP Switching Output/Switching Current	100 mA
Residual Current Switching Output	< 50 µA
Short Circuit and Overload Protection	yes
Reverse Polarity Protection	yes
Protection Class	III

Mechanical Data

Setting Method	Potentiometer
Housing Material	Plastic
Full Encapsulation	yes
Degree of Protection	IP67
Connection	M8 × 1; 3-pin

PNP NC

Connection Diagram No.

109

Control Panel No.

K1

Suitable Connection Equipment No.

8

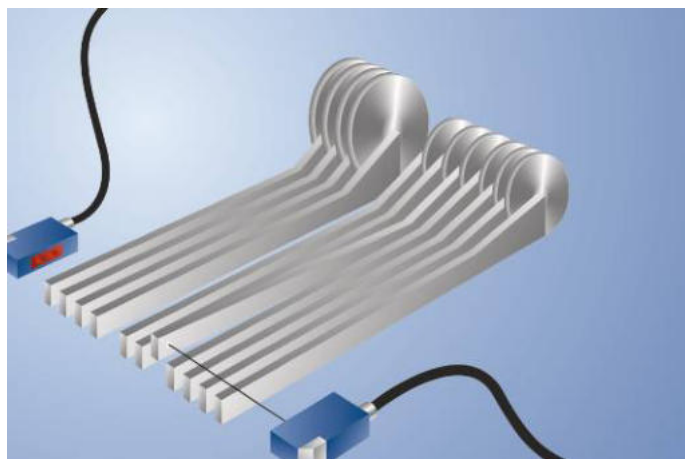
Suitable Mounting Technology No.

400

Suitable Emitter

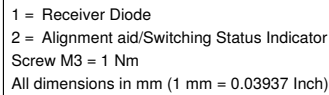
SK968

These through-beam sensors are best suited for use in industrial environments. Thanks to their large working range, the devices demonstrate excellent functional reliability in highly contaminated environments. The sensors can be checked for correct functioning via the test input.

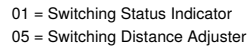


Complementary Products

PNP-NPN Converter BG8V1P-N-2M



K1



Legend