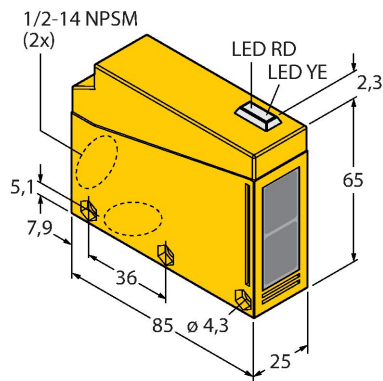


Q8562E-B

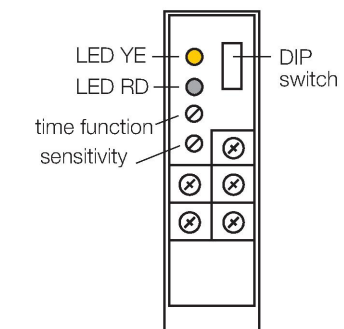
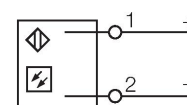
Photoelectric Sensor – Opposed Mode Sensor (Emitter)



Features

- Integrated terminal chamber
- Cable glands, offset installation by 90° in two places
- Protection class IP67
- Operating voltage: 10...48 VDC

Wiring diagram



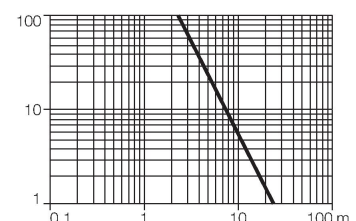
Technical data

Type	Q8562E-B
ID	3034263
Optical data	
Function	Opposed mode sensor
Operating mode	Emitter
Light type	Red
Wavelength	680 nm
Range	0...23000 mm
Electrical data	
Operating voltage	10...48 VDC
DC rated operational current	≤ 120 mA
No-load current	≤ 25 mA
Reverse polarity protection	yes
Readiness delay	≤ 0 ms
Response time typical	< 20 ms
Setting option	Potentiometer
Mechanical data	
Design	Rectangular, Q85
Dimensions	85 x 65 x 25 mm
Housing material	Plastic, Thermoplastic material, Yellow
Lens	acrylic, Acrylic
Electrical connection	Terminal block
Number of cores	2
Ambient temperature	-25...+55 °C
Protection class	IP67
Excess gain indication	LED

Functional principle

Opposed mode sensors consist of an emitter and a receiver. They are installed opposite to each other whereby the emitted light aims directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. Opposed mode sensors are the most reliable photoelectric sensors for detection of opaque objects. The excellent light/dark contrast and the very high excess gain are typical for this function mode and enable operation over large distances and under difficult conditions.

Excess gain curve
Excess gain in relation to distance



Technical data

Tests/approvals