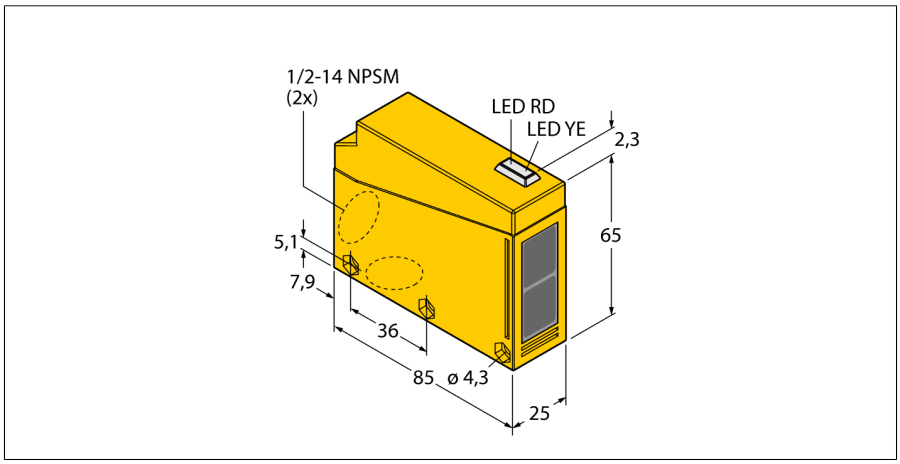
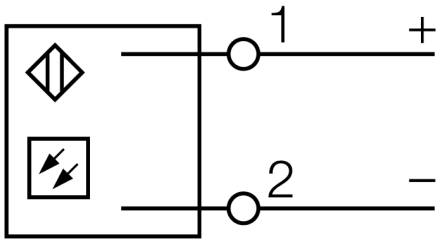
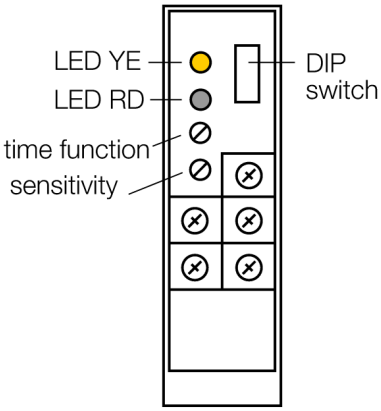
Photoelectric sensor
opposed mode sensor (emitter)
Q8562E-B



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

Wiring diagram





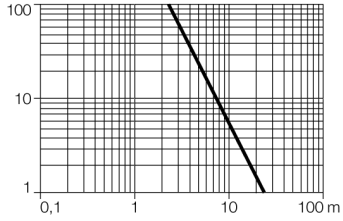
Type code	Q8562E-B
Ident no.	3034263
Operating mode	opposed mode sensor (emitter)
Light type	red
Wavelength	680 nm
Range	0…23000 mm
Ambient temperature	-25…+55 °C
Operating voltage	10…48VDC
DC rated operational current	≤ 120 mA
No-load current I_0	≤ 25 mA
Reverse polarity protection	yes
Readiness delay	≤ 100 ms
Design	rectangular, Q85
Dimensions	85 x 65 x 25 mm
Housing material	plastic, ABS, yellow
Lens	acrylic, Plastic
Connection	terminal chamber
Protection class	IP67

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



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