

EOR23M-BR85-6X Photoelectric Sensor – Opposed Mode Sensor (Emitter)



Technical data

EOR23M-BR85-6X
7700692
Opposed mode sensor (emitter)
Red
680 nm
023000 mm
1048 VDC
≤ 120 mA
≤ 25 mA
Rectangular, Q85
85 x 25 x 65 mm
Plastic, ABS, Yellow
acrylic, plastic
Terminal chamber
-25+55 °C
IP67

Features

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

Wiring diagram





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 high 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

