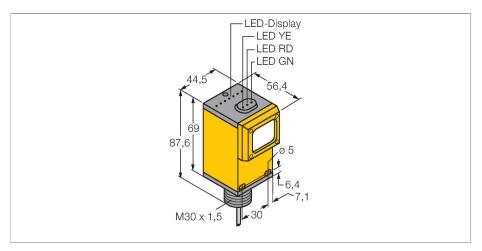
Q452E W/30 Photoelectric Sensor – Opposed Mode Sensor (Emitter)



Technical data

Туре	Q452E W/30	
ID	3038462	
Optical data		
Function	Opposed mode sensor	
Operating mode	Emitter	
Light type	IR	
Wavelength	880 nm	
Range	060000 mm	
Electrical data		
Operating voltage	90250 VAC	
No-load current	≤ 50 mA	
Readiness delay	≤ 0 ms	
Mechanical data		
Design	Rectangular, Q45	
Dimensions	Ø 30 x 56.4 x 44.5 x 87.6 mm	
Housing material	Plastic, Thermoplastic material	
Lens	plastic, Acrylic	
Electrical connection	Cable, 9 m, PVC	
Number of cores	2	
Core cross-section	0.34 mm ²	
Ambient temperature	-40+70 °C	
Protection class	IP67	
Power-on indication	LED, Green	
Excess gain indication	LED	
Tests/approvals		
MTTF	67 years acc. to SN 29500 (Ed. 99) 40 °C	



Features

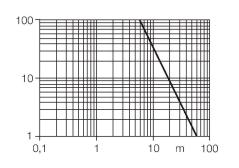
- ■Cable, PVC, 2 m
- ■Protection class IP67
- ■Operating voltage: 90...250 VAC

Wiring diagram

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Functional principle

Opposed mode sensors consist of an emitter and receiver. They are installed opposite each other so that the light from the emitter is aimed 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 targets. An excellent contrast between light and dark conditions and an extremly high excess gain are typical of this sensing mode, thus allowing operation over larger distances and under difficult conditions. Excess gain curve Excess gain in relation to the distance



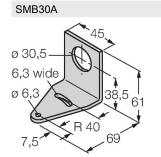


Technical data

Approvals

CE, cURus, CSA

Accessories



3032723

Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread

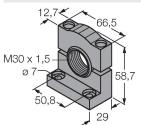


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Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm $\,$

SMB30SC

3052521



Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable