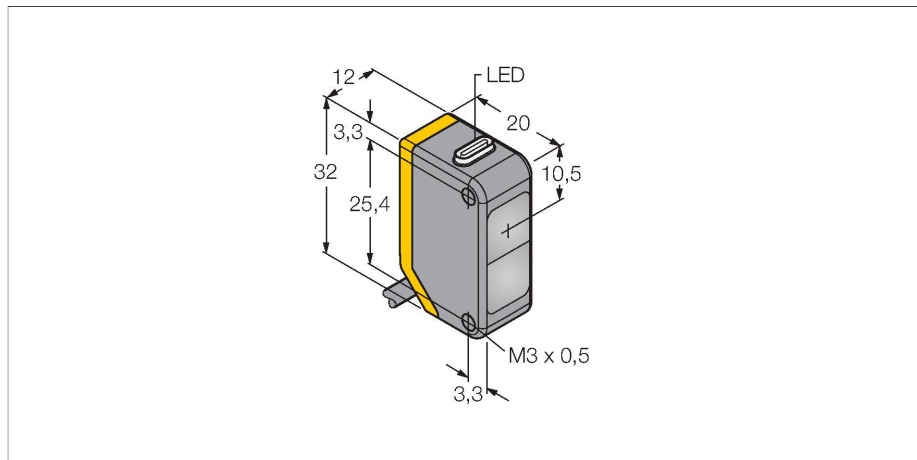


EO20M-Q18-6X

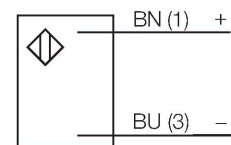
Photoelectric Sensor – Opposed Mode Sensor (Emitter)



Features

- Cable, PVC, 2 m
- Protection class IP67
- LED, all-round visible
- Operating voltage: 10...30 VDC

Wiring diagram

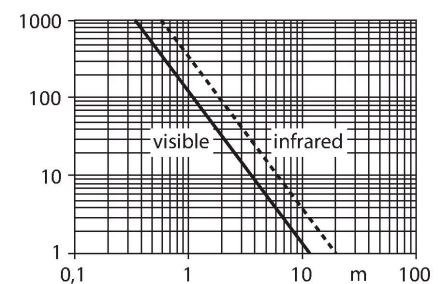


Technical data

Type	EO20M-Q18-6X
ID	7700060
Function	Opposed mode sensor (emitter)
Light type	IR
Wavelength	850 nm
Range	0...20000 mm
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
No-load current	≤ 18 mA
Reverse polarity protection	yes
Design	Rectangular, Q20
Dimensions	20 x 12 x 32 mm
Housing material	Plastic, ABS
Lens	plastic, Acryl
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Core cross-section	0.35 mm ²
Ambient temperature	-20...+60 °C
Protection class	IP67
Power-on indication	LED, Green

Functional principle

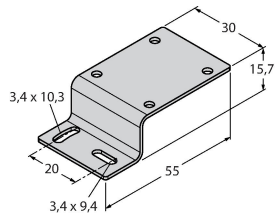
Opposed mode sensors consist of an emitter and a receiver. They are installed opposite to each other whereby the emitted light aims directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. Opposed mode sensors are the most reliable photoelectric sensors for 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.



Accessories

TMBQ18H

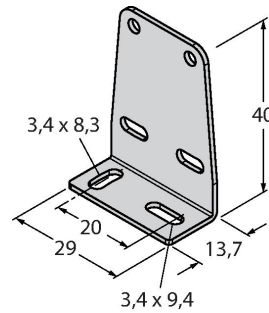
7700420



Mounting bracket, stainless steel, for Q18

TMBQ18L

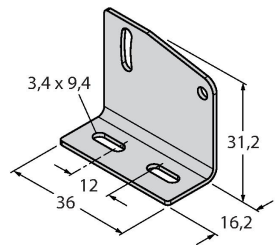
7700421



Mounting bracket, stainless steel, for Q18

TMBQ18LV

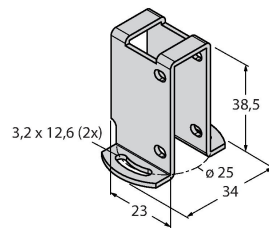
7700422



Mounting bracket, stainless steel, for Q18

TMBQ18U

7700423



Protective housing, stainless steel, for Q18