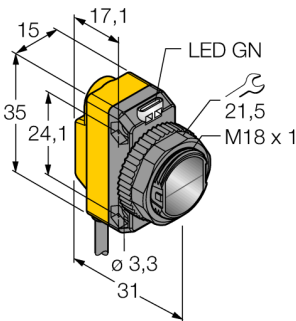
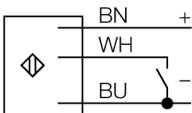


photoelectric sensor
laser emitter
QS186LE



- Operating voltage 10...30 VDC
- LED visible from all sides
- Cable, 2m
- Laser class 1

Wiring diagram



Functional principle

Opposed mode sensors consist of an emitter and receiver. They are installed opposite to 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. The excellent light/dark contrast and the high excess gain allow operation over larger distances and under difficult conditions.

Excess gain curve

Excess gain in relation to the distance (type 6EB/RB)

Type	QS186LE
Ident-No.	3070252
Operating mode	opposed mode sensor (emitter)
Light type	red
Wavelength	650 nm
Laser class	1 (EN 60825, IEC 60825)
Range	0...30000 mm
Ambient temperature	-10...+50 °C
Operating voltage	10...30VDC
DC rated operational current	≤ 100 mA
No-load current I ₀	≤ 35 mA
Readiness delay	≤ 0.25 s
Design	rectangular, QS18
Dimensions	31 mm x 15 mm x 35 mm
Housing material	Plastic, ABS
Lens	plastic, acrylic
Connection	cable
Cable length	2 m
Cable cross section	3 x 0.5 mm ²
Protection class	IP67
MTTF	530years acc. to SN 29500 (Ed. 99) 40 °C
Operating voltage	LED green