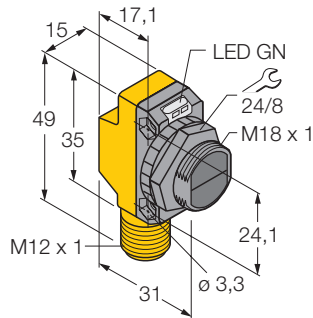
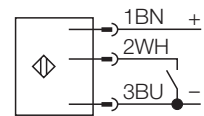


Photoelectric sensor laser emitter QS186LEQ8



- operational voltage 10..0.30 VDC
- LED visible from all sides
- M12 x 1 connector
- laser class 1

Wiring diagram



Opposed mode sensors consist of a separate emitter and receiver. These are installed directly 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 extremely 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 (type 6EB/RB)

Type	QS186LEQ8
Ident-No.	3070253
Operating mode	Opposed mode (emitter)
Type of light	red
Wave length	650 nm
Laser-class	1 (EN 60825, IEC 60825)
Max. sensing range [m]	0... 30 m
Operating temperature	-10 ...+ 50 °C
Rated operational voltage (DC) U_B	10... 30 VDC
Rated operational current (DC) I_e	≤ 100 mA
No-load current I_0	≤ 35 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Time delay before availability	≤ 1,5 s
Housing style	rectangular; QS18
Dimensions	31 x 15 x 35 mm
Housing material	plastic, ABS
Lens	plastic, acrylic
Wiring	connector, M12 x 1
Degree of protection	IP67
Supply voltage indication	LED green