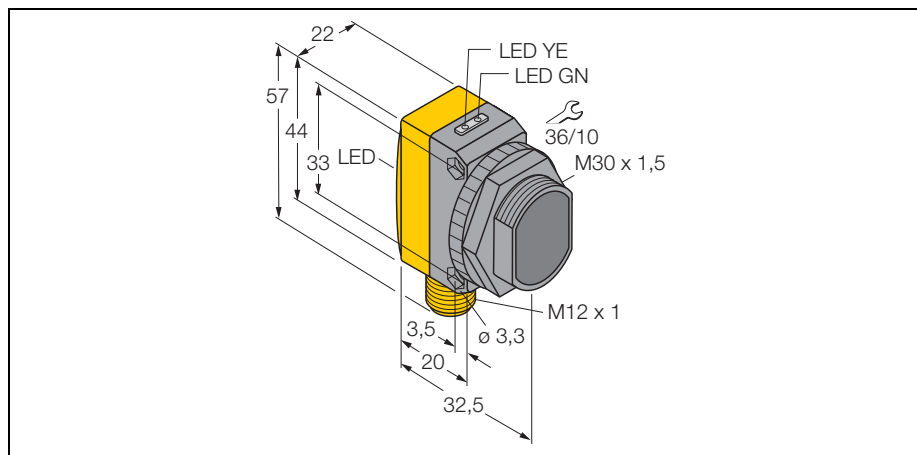
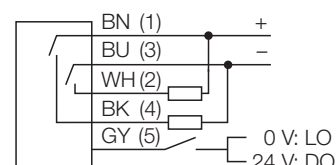


**photoelectric sensor
receiver
QS30RQ**



- **compact housing style**
- **LED visible from all sides**
- **Male connector, M12x1, 5-pole**

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. Large distance operation is possible due to an excellent light/dark contrast and an extremely high excess gain.

Excess gain curve

Excess gain in relation to the distance

Type	QS30RQ
Ident-No.	3073079
Operating mode	opposed mode sensor (receiver)
Range	0... 60000 mm
Ambient temperature	-20...+ 70°C
Operating voltage	10... 30 VDC
DC rated operational current	≤ 150 mA
No-load current I ₀	≤ 22 mA
Readiness delay	≤ 100 ms
Housing	rectangular, QS30
Dimensions	35x 22x 57mm
Housing material	Plastic, ABS
Lens	plastic, acrylic
Electrical connection	Connectors, M12 x 1
Protection class	IP67
Operating voltage	LED green
Switching state	LED yellow
Error indication	LED green flashing
Excess gain indication	LED yellow