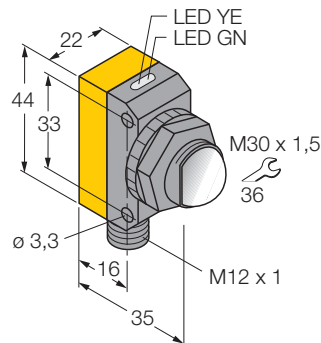


**photoelectric sensor
receiver
QS30RRXQ**

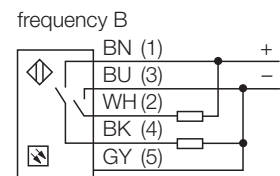
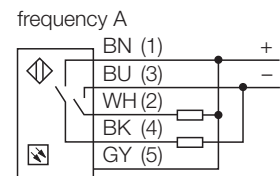
TURCK

Industrial
Automation



- Emitter required, type QS30EX
- Selectable work frequency for cross-stalk protection
- LED all-round visible
- Male connector, M12x1, 5-pole
- Dark operation
- Operating voltage 10...30 VDC

Wiring diagram

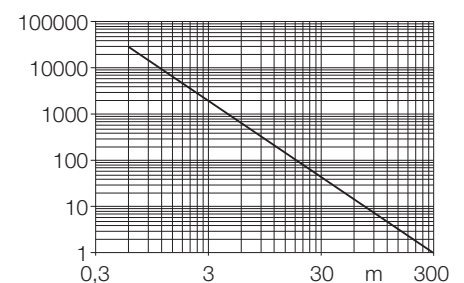


Functional principle

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	QS30RRXQ
Ident-No.	3071741
Operating mode	opposed mode sensor (receiver)
Range	0... 300000 mm
Ambient temperature	-20...+ 60°C
Operating voltage	10... 30 VDC
DC rated operational current	≤ 100 mA
No-load current I ₀	≤ 22 mA
Switching frequency	≤ 16Hz
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	IP68 / IP69K
Operating voltage	LED green
Switching state	LED yellow
Error indication	LED green flashing
Excess gain indication	LED red flashing