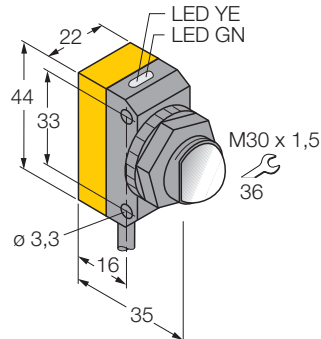


**photoelectric sensor
emitter
QS30EX**

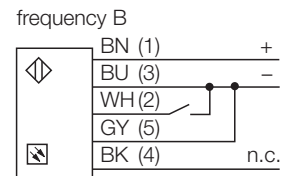
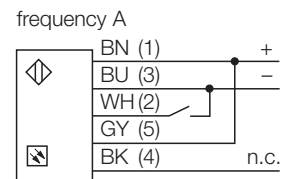
TURCK

Industrial
Automation



- Receiver required, types QS30ARX (light operation) or QS30RRX (dark operation)
- Selectable working frequency
- LED all-round visible
- cable, 2m
- Operating voltage 10...30 VDC
- Pencil beam lock via PIN 2 (white core)

Wiring diagram

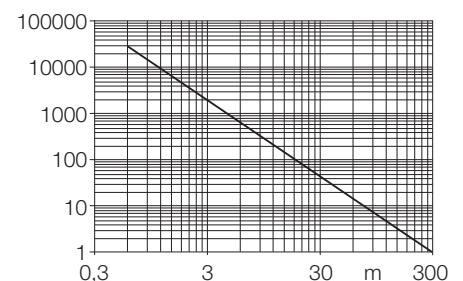


Functional principle

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	QS30EX
Ident-No.	3071559
Operating mode	opposed mode sensor (emitter)
Light type	IR
Wavelength	875 nm
Range	0... 300000 mm
Ambient temperature	-20...+ 60°C
Operating voltage	10... 30 VDC
No-load current I_0	≤ 70 mA
Readiness delay	≤ 100 ms
Housing	rectangular, QS30
Dimensions	35x 22x 49mm
Housing material	Plastic, ABS
Lens	plastic, acrylic
Electrical connection	cables
Cable length	2 m
Cable cross section:	5 x 0.5mm ²
Protection class	IP67
Operating voltage	LED green