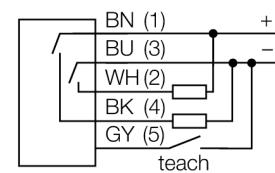


**Photoelectric sensor
retroreflective sensor
QS30ELVC**



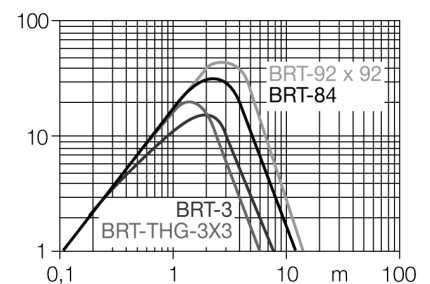
- Cable, PVC, 2 m
- Protection class IP67
- LED all-round visible
- Teach button
- 8-segment bargraph
- Operating voltage: 10...30 VDC
- Switching output, bipolar
- Light or dark operation

Wiring diagram



Functional principle

The QS30ELVC is a high-performance retro-reflective sensor for the detection of light, transparent and also opaque objects. Thanks to a special follow-up algorithm with automatic compensation, thresholds can be adjusted to constantly changing signal strengths. The sensor is thus perfectly suited for the detection of PET bottles, glass jars, reflecting surfaces, LCDs or even wafers.



| | |
|--------------------------------|-------------------------|
| Type code | QS30ELVC |
| Ident no. | 3010133 |
| Operating mode | retro-reflective sensor |
| Light type | red |
| Wavelength | 660 nm |
| Range | 100...2000 mm |
| Ambient temperature | -10...+55 °C |
| Operating voltage | 10...30VDC |
| Residual ripple | < 10 % U _s |
| DC rated operational current | ≤ 150 mA |
| No-load current I ₀ | ≤ 25 mA |
| Short-circuit protection | yes |
| Reverse polarity protection | yes |
| Output function | NO contact, PNP/NPN |
| Switching frequency | ≤ 1000 Hz |
| Readiness delay | ≤ 250 ms |
| Design | rectangular, QS30 |
| Dimensions | 35 x 22 x 49 mm |
| Housing material | plastic, ABS, yellow |
| Lens | plastic, acrylic |
| Connection | cable, PVC |
| Cable length | 2 m |
| Cable cross section | 5 x 0.5 mm ² |
| Protection class | IP67 |
| Power-on indication | LED green |
| Switching state | LED yellow |
| Error indication | LED green flashing |
| Excess gain indication | LED red |

Photoelectric sensor
retroreflective sensor
QS30ELVC

TURCK

Industrial
Automation

Accessories

| Type code | Ident no. | Description | Dimension drawing |
|-----------|-----------|--|-------------------|
| SMB30A | 3032723 | Mounting bracket, stainless steel, for sensors with 30 mm thread | |
| SMBQS30L | 3002809 | Mounting bracket, stainless steel, for QS30 series | |
| SMBQS30Y | 3002811 | Protective housing, stainless steel, for QS30 series | |
| SMBQS30YL | 3072741 | Protective housing with safety glass panel, stainless steel, for QS30 series | |