

B 929 L S

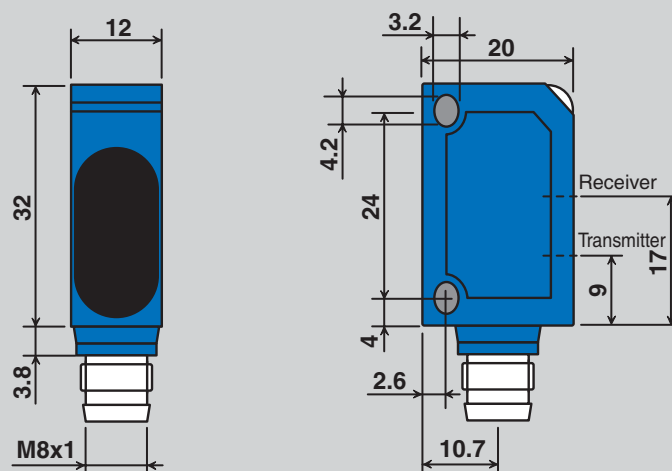
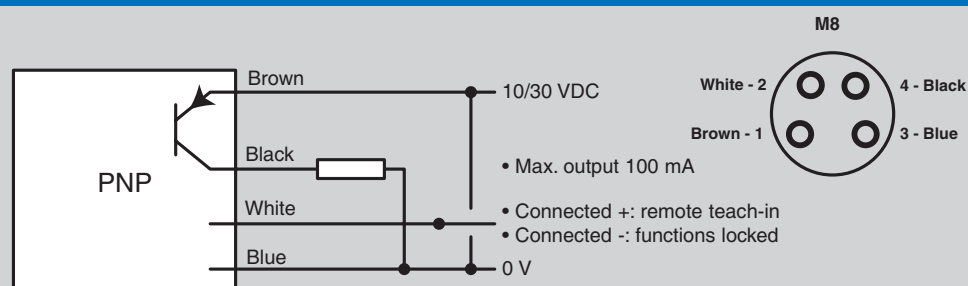
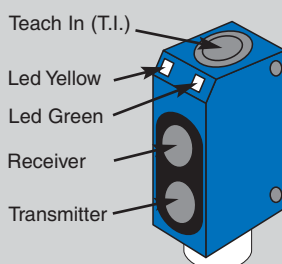

- Sensing distance on reflector: 0.1 to 1 M
- Supply: 10 to 30 VDC
- Output: PNP
- Teach-in


Description:

- Miniaturised
- Integrated amplifier
- Detection indication by LED
- Red pulsed visible light
- Laser class 2
- Direct / inverse output
- Remote teach-in
- Functions lock
- Dirty indicator
- ABS housing
- M8 connector

Applications:

- Small pieces control on manufacturing machines
- Sensors positioning where space is limited

Dimensions

Wiring Connections

Visualisation and Adjustment

Teach-in: (Both yellow and green LEDs are ON)

- 1: When set face to the object, hit 3 s T.I.: both LEDs flash
- 2: Take off the object (to teach the background), hit 1 s T.I.: the green LED flashes then remains ON (teach-in over)

Lo/Do

- 1: During 13 s, hit T.I.: the 2 leds flash alternatively (as soon as T.I. is freed, the green led stays ON)
 - 2: Each hit on T.I. modifies the output state: (Lo, Do, Lo, Do...).
- (If there is no hit during 10 s on T.I., the present state is memorised, the green led turns OFF)

Yellow led: (detection led) output state

Green led: supply ON or dirtiness detection (if led OFF)

Remark: the LED turns OFF only if the object is detected, as well as in direct or inverse mode.

Technical Information

| | | |
|--------------------------------|--------------------------------|---|
| Supply | voltage | 10 / 30 VDC ripple < 10% within specified limits |
| | consumption | 25 mA |
| Response time | switching frequency | 1000 Hz |
| Output | max. nominal current | 100 mA |
| | residual voltage | 2.4 V |
| Emission | Red laser LED pulsed (class 2) | T pulse = 3 µs, impulse frequency = 5 KhZ wave length = 655 nm |
| | minimum spot | < 0.7 mm |
| Temperature | operating | - 20° to 60° C |
| | storage | - 20° to 80° C |
| External light immunity | | 5 000 Lux |
| Protections | supply | inverse polarity protection |
| | output | permanent short-circuit or over-load |
| | degree | IP 67 |



Visible laser radiation: do not look at the beam. Class 2 laser appliance.

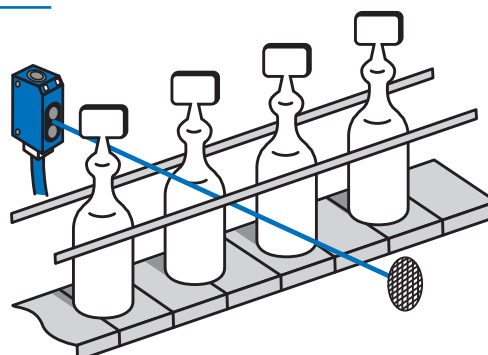
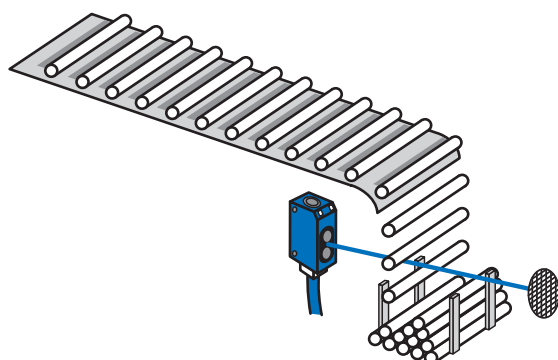
To place order

| Product | | Reference |
|---|------------------------|---------------|
| • Polarised retroreflex miniature sensor (PNP) (laser emission) | - connector M8 output | B C0 929 L SP |
| | - length 2 m | CM 82 |
| • Cable for connector M8 | - 90° angle | CM 82 C |
| | - length 5 m | CM 85 |
| | - 90° angle | CM 85 C |
| • Reflector (for laser emission) | - 50x10 | 1116 |
| | - 50x50 | 1111 |
| • Bracket | | 929 |
| | - axial fixation | 929-1 |
| • Protection bracket | - low lateral fixation | 929-2 |

TYPE OF APPLICATIONS

Example 1

Counting parts from a conveyor.



Example 2

Pharmaceutical flacons detection.