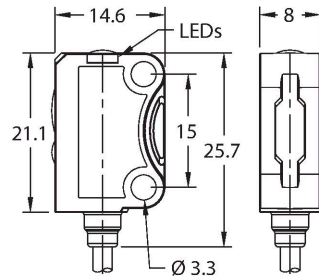


VS8LEJ

Photoelectric Sensor – Opposed Mode Sensor, Laser Emitter



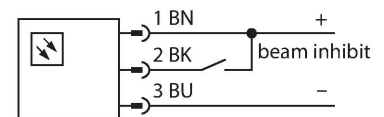
Technical data

Type	VS8LEJ
ID	3803482
Optical data	
Function	Opposed mode sensor
Operating mode	Laser Emitter
Light type	Red
Wavelength	655 nm
Laser class	▲ 1
Range	0...3000 mm
Electrical data	
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
DC rated operational current	≤ 20 mA
Short-circuit protection	yes / Cyclic
Reverse polarity protection	yes
Readiness delay	≤ 300 ms
Response time typical	< 0.5 ms
Mechanical data	
Design	Rectangular, VS8
Dimensions	14.6 x 8 x 25.7 mm
Housing material	Plastic, PUR, Black
Lens	plastic, PMMA
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Ambient temperature	-20...+50 °C
Protection class	IP67
Power-on indication	LED, Green

Features

- Connection via 2 m cable, PUR
- ECOLAB-certified
- Laser class 1, red
- Operating voltage: 10...30 VDC
- Laser LED can be switched off via input

Wiring diagram



Functional principle

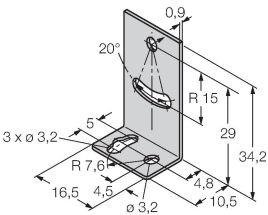
These miniature photoelectric sensors in a rugged housing are ideal for detecting small parts in harsh environments. The bright and clearly visible light spots help with detecting extremely small objects. Devices with a blue emitter LED are also available, along with laser variants. The 4-pin devices all have a teach input that, in addition to the pushbutton on the devices, can be used to configure the sensor. This allows the switching point to be adjusted or the output behavior to be inverted. ECOLAB certification for devices with a cable connection rounds off the portfolio and allows use in cleanrooms or in the food industry.

Technical data

Excess gain indication	LED
Tests/approvals	
Approvals	CE cULus

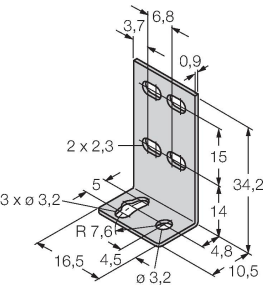
Accessories

SMBQ12A 3074341



Mounting bracket; material VA 1.4401, for photoelectric sensor, Q12 series

SMBQ12T 3073722



Mounting bracket; material VA 1.4401, for photoelectric sensor, Q12 series

SMBVS8RA 3803492

Mounting bracket, for VS8 series sensors, angled, stainless steel

SMBVS8DT 3803493

Mounting clamp, plastic, black, for VS8 series sensors