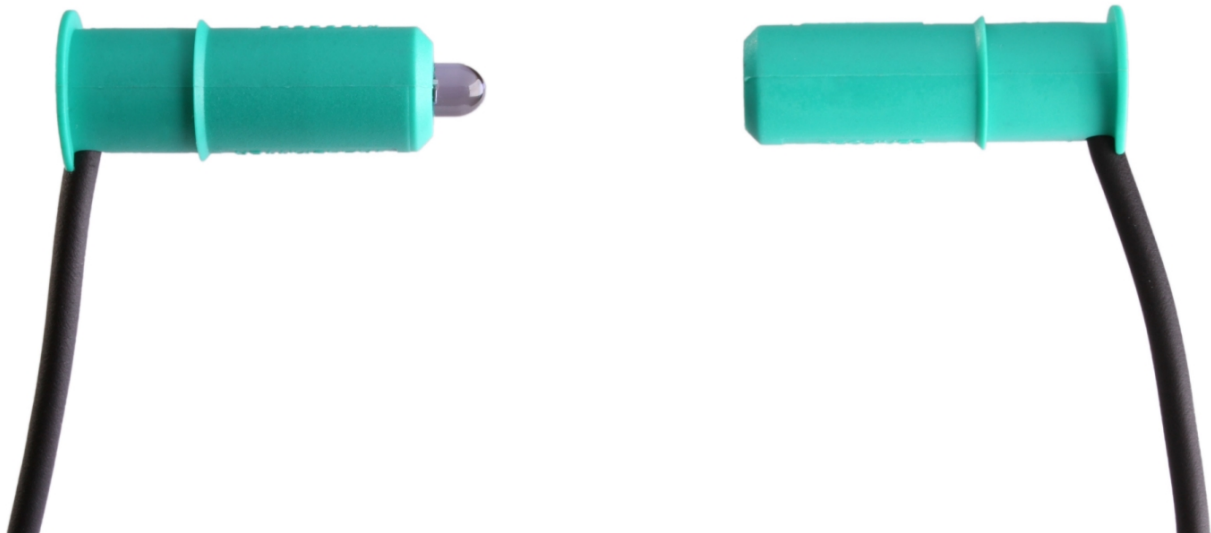


Optical Sensing Edge

OSE-S 1xxx

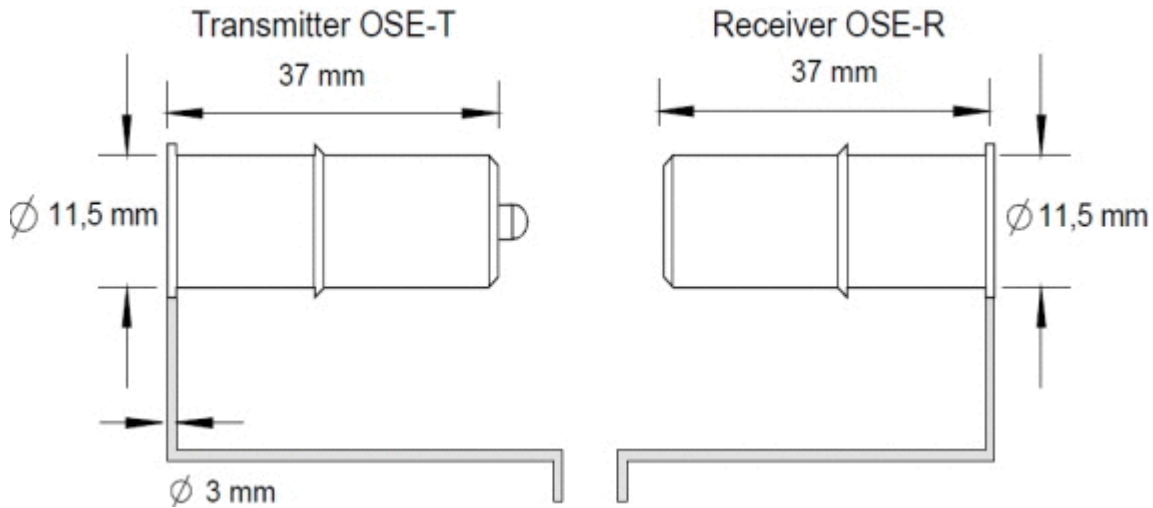


General data



Interface	3 wire OSE
Technology	Optical contact edge
Transmitter cable length*	6.5 m (21.3 ft) / 10.5 m (34.4 ft)
Receiver cable length*	0.5 m (1.6 ft) / 3.0 m (9.8 ft) / 10.5 m (34.4 ft)
Supply voltage	10 ... 14 VDC
Safety properties	Cat. 4 PL e (EN ISO 13849-1)
MTTFd	100 years
DCav	99%
PFHd	$2.1 \cdot 10^{-10}$ / h
Maximum operation period	20 years
Housing dimensions W x H x D	37 mm x 11 mm (1.46" x 0.43")
Operation temperature	-20 °C to +75 °C (-4 °F to +167 °F)
Protection class	IP68
Cable layout	PUR / PVC, tinned ends
Version	V5 (not for battery systems)
Diameter	11 mm (0.43 ")
Weight	0.19 kg
Range	0.5 m ... 10 m (1.6 ft - 32.8 ft)
Sealing compound	Polyurethane (Emitter: Grey, receiver: Black)

* The cable lengths depend on the OSE types

Housing material	Polyethylene
Unit of measure	Piece
Product life cycle	Established





Compatible Controllers

	Product	Supply Voltage	Input type of sensing edge
	OSE-C 4024	24 VDC	3-wire
	OSE-C 4524	24 VDC	3-wire






OSE-C 5024 24 V AC/DC 3-wire

Compatible junction boxes

	Product connection options	Housing
	JB 1307 PCB with screw terminals	Small (75x40x13 mm / 2.95x1.57x0.51")
	JB 2106 terminal strip	Medium (90x48.5x40 mm / 3.54x1.91x1.57")
	JB 3000 terminal strip	Large (158x60x39 mm / 6.22x2.36x1.54")
	JB 4400 PCB with OSE plugs or screw terminals	Large (158x60x39 mm / 6.22x2.36x1.54")
	JB 5610 PCB with OSE plugs	Medium (90x48.5x40 mm / 3.54x1.91x1.57")

Compatible rubber profiles

	Product	Height	Width
	OSE-P 25 33 00	33 mm (1.3")	25 mm (0.98")
	OSE-P 25 30 00	30 mm (1.18")	25 mm (0.98")
	OSE-P 20 40 00	40 mm (1.57")	20 mm (0.79")

	OSE-P 30 90 01	90 mm (3.54") 30 mm (1.18")
	OSE-P 25 33 00 NBR	33 mm (1.3") 25 mm (0.98")
	OSE-P 30 58 00	58 mm (2.28") 30 mm (1.18")

Contact



CEDES AG
sales@cedes.com

All dimension in [inch] mm. This drawing and the information contained is for general presentation purposes only. Please refer to the "Download" section for detailed technical drawings. © CEDES AG., All rights reserved. We do not assume responsibility for technical inaccuracies or omissions. Specifications are subject to change without notice.