







Model Number

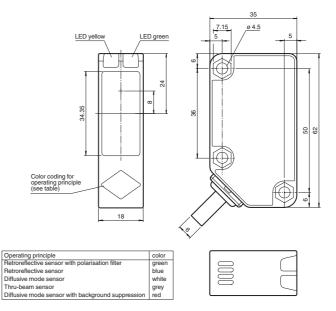
LA31/LK31/25/31/115

Thru-beam sensor with 2 m fixed cable

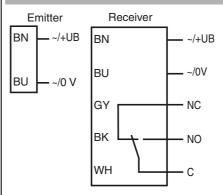
Features

- Cost-optimized series for standard
- Large construction with small housing
- Highly visible LED
- Version for universal voltages
- Relay output
- Wide range of mounting options

Dimensions



Electrical connection



ers	LA31/115 LK31/25/31/115 0 30 m 43 m LED modulated visible red light , 630 nm LED yellow: 1. LED illuminates: Sufficient light signal received, emitter and receiver alignment is correct 2. LED flashes: Reaching switching point 3. LED off: Light beam is interrupted or the alignment is out approx. 800 mm at a distance of 30 m Emitter: 0.5 °, Receiver: 1.5 ° 50000 Lux ; according EN 60947-5-2 620 a 20 a 0 % LED green: power on
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ers	20 a 0 %
	20 a 0 %
	0 %
	LED green: power on
	LED green: power on
	LED yellow: 1. LED lit constantly: signal > 2 x switching point (function reserve)
	2. LED flashes: signal between 1 x switching point and 2 x switching point 3. LED off: signal < switching point
	3. LED On. Signal < Switching point
II.	24 240 V AC
ОВ	12 240 V DC
I ₀	Emitter: ≤ 20 mA Receiver: ≤ 20 mA
P ₀	Emitter: ≤ 1 VA Receiver: ≤ 1 VA
	light on
	Relay, 1 alternator
	max. 250 V AC/DC
	max. 3 A
	DC: max. 150 W AC: max. 750 VA
f	≤ 20 Hz
	≤ 25 ms
	-25 55 °C (-13 131 °F)
	-40 70 °C (-40 158 °F)
	IP67
	Emitter: 2 m fixed cable , 2-wire Receiver: 2 m fixed cable , 5-wire
	TIOCOTO. 2 III IIAOU OUDIO , O WIIC
	Polycarbonate
	PMMA
	Emitter: 116 g
	Receiver: 131 g
irecti-	
	EMC Directive 2004/108/EC
	EN 60947-5-2:2007 IEC 60947-5-2:2007
	EN 62103
	W + 1 W + 40F0 V + 0 W + W + 1 W + 1
	II , rated voltage ≤ 250 V AC with pollution degree 1-2 according to IEC 60664-1 Output circuit basis insulation of input circuit according to EN 50178, rated insulation voltage 240 V AC
	Certified by China Compulsory Certification (CCC)
	P ₀

Accessories

OMH-RL31-01

Mounting bracket

OMH-RL31-02

Mounting bracket narrow

OMH-RL31-03

Mounting bracket narrow

OMH-RL31-04

Mounting aid for round steel ø 12 mm or sheet 1.5 mm \dots 3 mm

OMH-RL31-06

Stainless steel mounting bracket with adjustable half clamp on the side

OMH-RL31-05

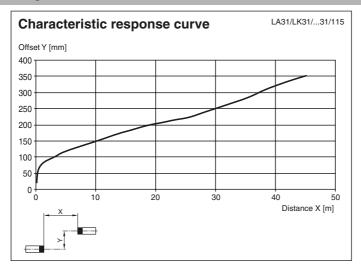
Mounting bracket with M10 threaded rod

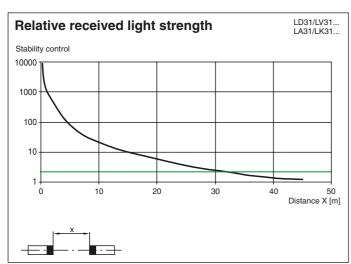
Additional accessories can be found in the Internet.

FPEPPERL+FUCHS

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Curves/Diagrams





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