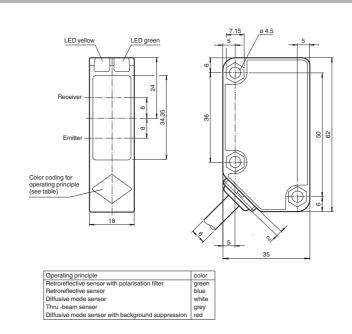
Dimensions





Model Number

RLK31-54/31/33/115

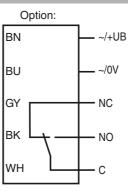
Retroreflective sensor with 6 m fixed cable

Features

CE

- Cost-optimized series for standard ٠ tasks
- Large construction with small housing ٠
- Version for universal voltages •
- Relay output •

Electrical connection





Technical data			Accessories	
General specifications			OMH-RL31-01	
Effective detection range		0 9000 mm	Mounting bracket	
Reflector distance		20 9000 mm	_	
Threshold detection range		12 m	OMH-RL31-02	
Reference target		reflector C110-2	Mounting bracket narrow	
Light source		LED	OMH-RL31-03	
Light type		modulated visible red light , 630 nm		
Polarization filter		yes	Mounting bracket narrow	
Diameter of the light spot		approx. 200 mm at a distance of 6 m	OMH-RL31-04	
Angle of divergence		3 ° 50000 Lux	Mounting aid for round steel ø 12 mm or	
Ambient light limit		50000 Lux	sheet 1.5 mm 3 mm	
Functional safety related parameters			Sheet 1.5 min 6 min	
MTTF _d		790 a 20 a	OMH-RL31-05 Mounting bracket for mounting on flat surfaces with 2 M4 screws	
Mission Time (T _M) Diagnostic Coverage (DC)		0%		
		0 %		
Indicators/operating means Operation indicator				
Function indicator		LED green: power on LED yellow:	OMH-RL31-06 Stainless steel mounting bracket with adjustable half clamp on the side Suitable reflectors and cable sockets can be found in the Internet	
Function indicator		 LED yenow. LED lit constantly: signal > 2 x switching point (function reserve) LED flashes: signal between 1 x switching point and 2 x 		
		switching point 3. LED off: signal < switching point		
Electrical specifications				
Operating voltage	U _B	24 240 V AC 12 240 V DC		
No-load supply current	I ₀	≤ 40 mA		
Power consumption	P ₀	≤ 2 VA		
Output				
Switching type		dark on		
Signal output		Relay, 1 alternator		
Switching voltage		max. 250 V AC/DC		
Switching current		max. 3 A		
Switching power		DC: max. 150 W AC: max. 750 VA		
Switching frequency	f	20 Hz		
Response time		≤ 25 ms		
Conformity				
Product standard		EN 60947-5-2		
Ambient conditions				
Ambient temperature		-25 55 °C (-13 131 °F)		
Storage temperature		-40 70 °C (-40 158 °F)		
Mechanical specifications				
Housing width		18 mm		
Housing height		62 mm		
Housing depth		35 mm		
Degree of protection		IP67		
Connection		6 m fixed cable		
Material				
Housing		Polycarbonate		
Optical face		PMMA		
Mass		154 g		
Approvals and certificates				
EAC conformity		TR CU 020/2011 TR CU 004/2011		
Protection class		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		
CCC approval		Certified by China Compulsory Certification (CCC)		

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group

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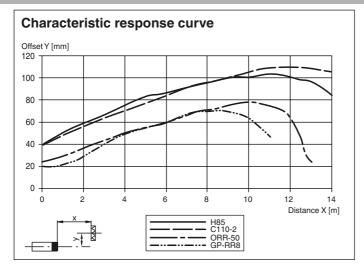
Germany: +49 621 776 1111

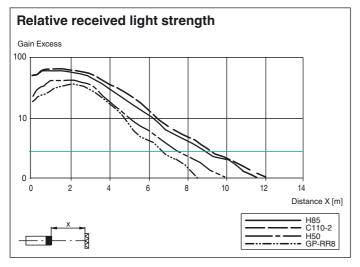
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EPPPERL+FUCHS

Curves/Diagrams





Release date: 2020-01-20 02:54 Date of issue: 2020-01-20 189791_eng.xml

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