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Model Number

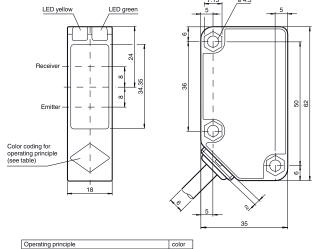
RLK31-54/25/31/115

Retroreflective sensor with 2 m fixed cable

Features

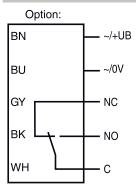
- Cost-optimized series for standard tasks
- Large construction with small housing
- Version for universal voltages
- Relay output

Dimensions

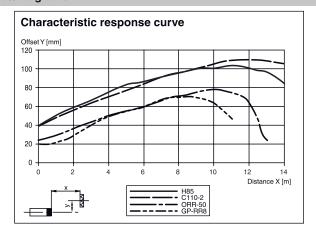


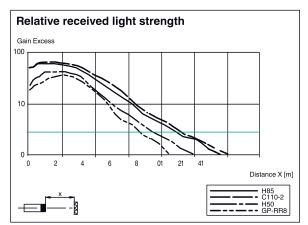
Operating principle	color
Retroreflective sensor with polarisation filter	green
Retroreflective sensor	blue
Diffusive mode sensor	white
Thru -beam sensor	grey
Diffusive mode sensor with background suppression	red

Electrical connection



Curves/Diagrams







CCC approval

Technical data General specifications 0 ... 9000 mm Effective detection range Reflector distance 20 ... 9000 mm Threshold detection range 12 m Reference target reflector C110-2 Light source LED Light type modulated visible red light, 630 nm Polarization filter Diameter of the light spot approx. 200 mm at a distance of 6 m Angle of divergence Ambient light limit 50000 Lux Functional safety related parameters MTTF_d 790 a Mission Time (T_M) 20 a Diagnostic Coverage (DC) 0% Indicators/operating means Operation indicator LED green: power on Function indicator 1. LED lit constantly: signal > 2 x switching point (function 2. LED flashes: signal between 1 x switching point and 2 x switching point 3. LED off: signal < switching point **Electrical specifications** 24 ... 240 V AC Operating voltage U_B 12 ... 240 V DC No-load supply current ≤ 40 mA I_0 Power consumption ≤ 2 VA Output Switching type liaht on Signal output Relay, 1 alternator Switching voltage max. 240 V AC Switching current max. 3 A Switching power DC: max. 150 W AC: max. 750 VA Switching frequency 20 Hz Response time ≤ 25 ms **Ambient conditions** Ambient temperature -25 ... 55 °C (-13 ... 131 °F) Storage temperature -40 ... 70 °C (-40 ... 158 °F) Mechanical specifications Degree of protection IP67 Connection 2 m fixed cable Material Housing Polycarbonate РММА Optical face Mass 154 g Compliance with standards and directi-EMC Directive 2004/108/EC Directive conformity Standard conformity EN 60947-5-2:2007 Product standard IEC 60947-5-2:2007 Standards EN 62103 Approvals and certificates TR CU 020/2011 EAC conformity TR CU 004/2011 II , rated voltage \leq 250 V AC with pollution degree 1-2 accor-Protection class ding 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)

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 \emptyset 12 mm or sheet 1.5 mm ... 3 mm

OMH-RL31-05

Mounting bracket with M10 threaded rod

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