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Model Number

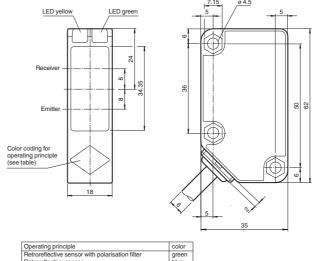
RLK31-54/25/31/33/115-15M

Retroreflective sensor 15 m fixed cable

Features

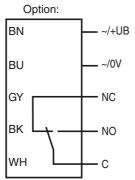
- Cost-optimized series for standard tasks
- Large construction with small housing
- Version for universal voltages
- Relay output

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





Technical data		
General specifications		
Effective detection range		0 9000 mm
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		yes
Diameter of the light spot		approx. 200 mm at a distance of 6 m
Angle of divergence		3°
Ambient light limit		50000 Lux
Functional safety related para	meters	
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		LED yellow:
		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
Electrical specifications		
Operating voltage	U _B	24 240 V AC 12 240 V DC
No-load supply current	Io	< 40 mA
Power consumption	P ₀	≤ 2 VA
Output	. 0	2 L VII.
Switching type		light 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	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		15 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 ammunud		Cartified by China Campulage Cartification (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 ø 12 mm or sheet 1.5 mm ... 3 mm

OMH-RL31-05

Mounting bracket for mounting on flat surfaces with 2 M4 screws

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

CCC approval

Certified by China Compulsory Certification (CCC)

Curves/Diagrams

