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Model Number

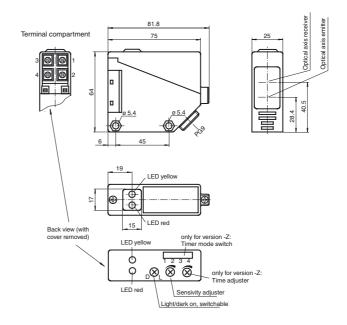
RLK39-54-Z/31/40a/116

Retroreflective sensor with terminal compartment

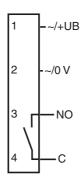
Features

- · Glare protected with polarization filter
- · Visible red light
- · Light/dark ON, switchable
- Timer function
- Degree of protection IP67

Dimensions



Electrical connection



Technical data General specifications Effective detection range 0 ... 5 m 0.1 ... 5 m Reflector distance Threshold detection range 6 m H50 reflector Reference target Light source LED red Light type modulated visible red light Polarization filter IEC / EN 60947-5-2, 10000 Lux Ambient light limit Functional safety related parameters MTTF_d 803 a Mission Time (T_M) 20 a Diagnostic Coverage (DC) 0 % Indicators/operating means Function indicator LED yellow: switching state LED red: pre-fault indication Control elements Sensing range adjuster, light-on/dark-on changeover switch Control elements switch for timer function **Electrical specifications** Operating voltage U_B 12 ... 240 V DC 24 ... 240 V AC (50 ... 60 Hz) 10 % Ripple No-load supply current In II, rated voltage ≤ 250 V AC with pollution degree 1-2 according Protection class to IFC 60664-1 Caution! The protection class 2 is only valid when the terminal compartment is closed. output circuit has basic insulation to control circuit according to IEC/EN 61140 P_0 Power consumption < 3 VA Time delay before availability ≤ 300 ms Output Switching type light/dark on Signal output 1 relay output max. 240 V AC; 150 V DC Switching voltage Switching current max. 3 A DC: max. 90 W AC: max. 750 VA Switching power Switching frequency f ≤ 25 Hz Response time ≤ 20 ms On-/off-delay or pulse extension on choice Timer function Conformity Product standard EN 60947-5-2 **Ambient conditions** -25 ... 55 °C (-13 ... 131 °F) Ambient temperature -40 ... 70 °C (-40 ... 158 °F) Storage temperature **Mechanical specifications** Housing width 25 mm Housing height 64 mm Housing depth 75 mm Degree of protection IP67 Connection terminal compartment PG9, ≤ 2.5 mm² Material Housing Optical face PMMA Mass approx. 110 g **General information** Scope of delivery Mounting aid, Reflector Approvals and certificates EAC conformity TR CU 020/2011 TR CU 004/2011 CCC approval Certified by China Compulsory Certification (CCC) CE

Accessories

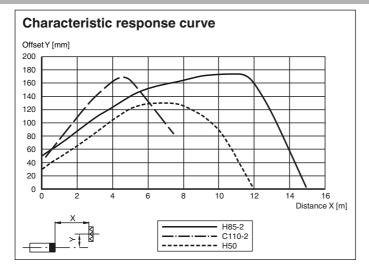
OMH-RL39

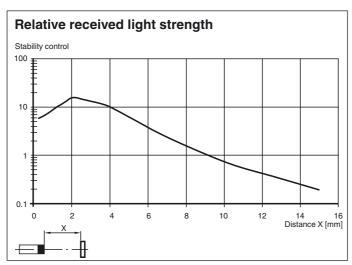
Mounting bracket for RL39 series Sensors

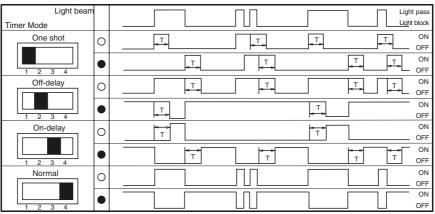
Other suitable accessories can be found at www.pepperl-fuchs.com

Approvals

Curves/Diagrams







- O Denotes Light ON T= 0.1 10 sec.
- Denotes Dark ON