

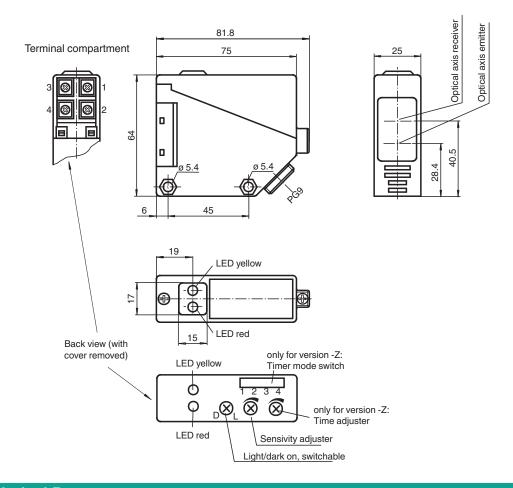
Diffuse mode sensor RLK39-8-2000/31/40a/116



- Infrared light
- Light-on/dark-on, switchable
- Degree of protection IP67



Dimensions

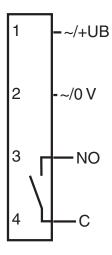


Technical Data

General specifications

Technical Data		
Detection range		0 2000 mm
Adjustment range		200 2000 mm
Reference target		standard white 200 mm x 200 mm
Light source		IRED
Light type		modulated infrared light
Ambient light limit		IEC / EN 60947-5-2 , 10000 Lux
Functional safety related parameters		1207 21.0000 11.0000 2000
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
Electrical specifications		
Operating voltage	U_B	12 240 V DC
, 3	- 0	24 240 V AC (50 60 Hz)
Ripple		10 %
No-load supply current	I_0	≤ 35 mA
Protection class		II, rated voltage ≤ 250 V AC with pollution degree 1-2 according to IEC 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
Power consumption	P_0	≤3 VA
Time delay before availability	t _v	≤ 50 ms
Output		
Switching type		light/dark on
Signal output		1 relay output
Switching voltage		max. 240 V AC ; 150 V DC
Switching current		max. 3 A
Switching power		DC: max. 90 W AC: max. 750 VA
Switching frequency	f	≤ 25 Hz
Response time		≤ 20 ms
Conformity		
Product standard		EN 60947-5-2
Approvals and certificates		
CCC approval		Certified by China Compulsory Certification (CCC)
Approvals		CE
Ambient conditions		
Ambient temperature		-25 55 °C (-13 131 °F)
Storage temperature		-40 70 °C (-40 158 °F)
Mechanical specifications		,
Housing width		25 mm
Housing height		64 mm
Housing depth		75 mm
Degree of protection		IP67
Connection		terminal compartment PG9, ≤ 2.5 mm ²
Material		
Housing		PBT
-		PMMA
Optical face Mass		
		approx. 110 g
General information		Manustra aid
Scope of delivery		Mounting aid

Connection Assignment



Characteristic Curve

Characteristic response curve

