



RLK39-54/31/40a/116

Retro-reflective sensor with polarisation filter

# RLK39-54/31/40a/116

with terminal compartment

CE



- ◆ Glare protected with polarisation filter
- ◆ Visible red light
- ◆ Light/dark ON, switchable
- ◆ Protection degree IP67

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**General specifications**

Effective detection range	0 ... 7 m
Reflector distance	100 ... 9000 mm
Threshold detection range	9 m
Light source	LED
Approvals	CE
Reference target	H85 reflector
Light type	red, modulated light
Ambient light limit	10000 Lux

**Indicators/operating means**

Function display	LED yellow: switching state LED red: pre-fault indication
Operating elements	sensitivity adjuster
Operating elements	Light/dark switch

**Electrical specifications**

Operating voltage	12 ... 240 V DC 24 ... 240 V AC (50 ... 60 Hz)
Ripple	10 %
No-load supply current $I_0$	$\leq 35$ mA
Power consumption $P_0$	$\leq 3$ VA
Time delay before availability $t_v$	$\leq 50$ ms

**Output**

Switching type	light/dark switching
Signal output	1 relay output
Switching voltage	$\leq 240$ V AC
Switching current	$\leq 3$ A
Switching frequency $f$	$\leq 25$ Hz
Response time	$\leq 20$ ms

**Standard conformity**

Standards	EN 60947-5-2
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**Ambient conditions**

Ambient temperature	-25 ... 55 °C (248 ... 328 K)
Storage temperature	-40 ... 55 °C (233 ... 328 K)

**Mechanical specifications**

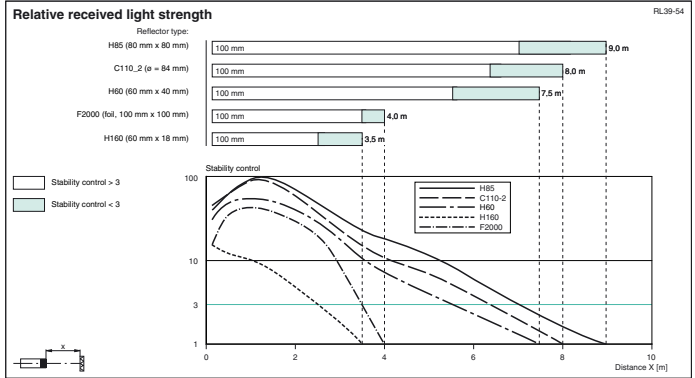
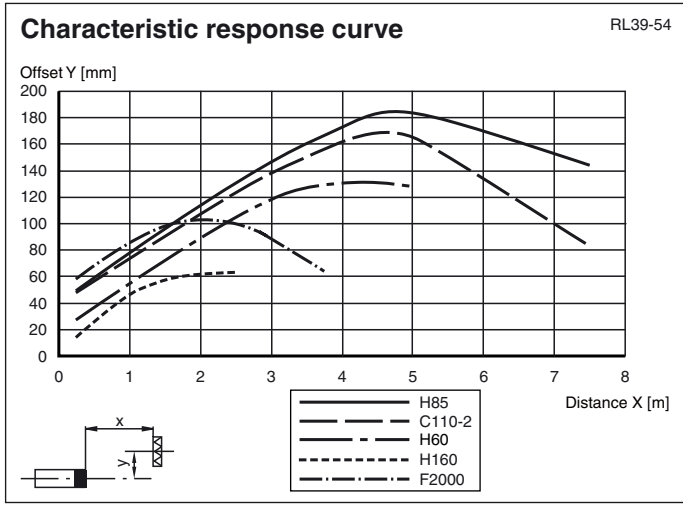
Protection degree	IP67
Connection	terminal compartment PG9, $\leq 2.5$ mm <sup>2</sup>
Material	
Housing	PBT
Optical face	PMMA
Mass	110 g

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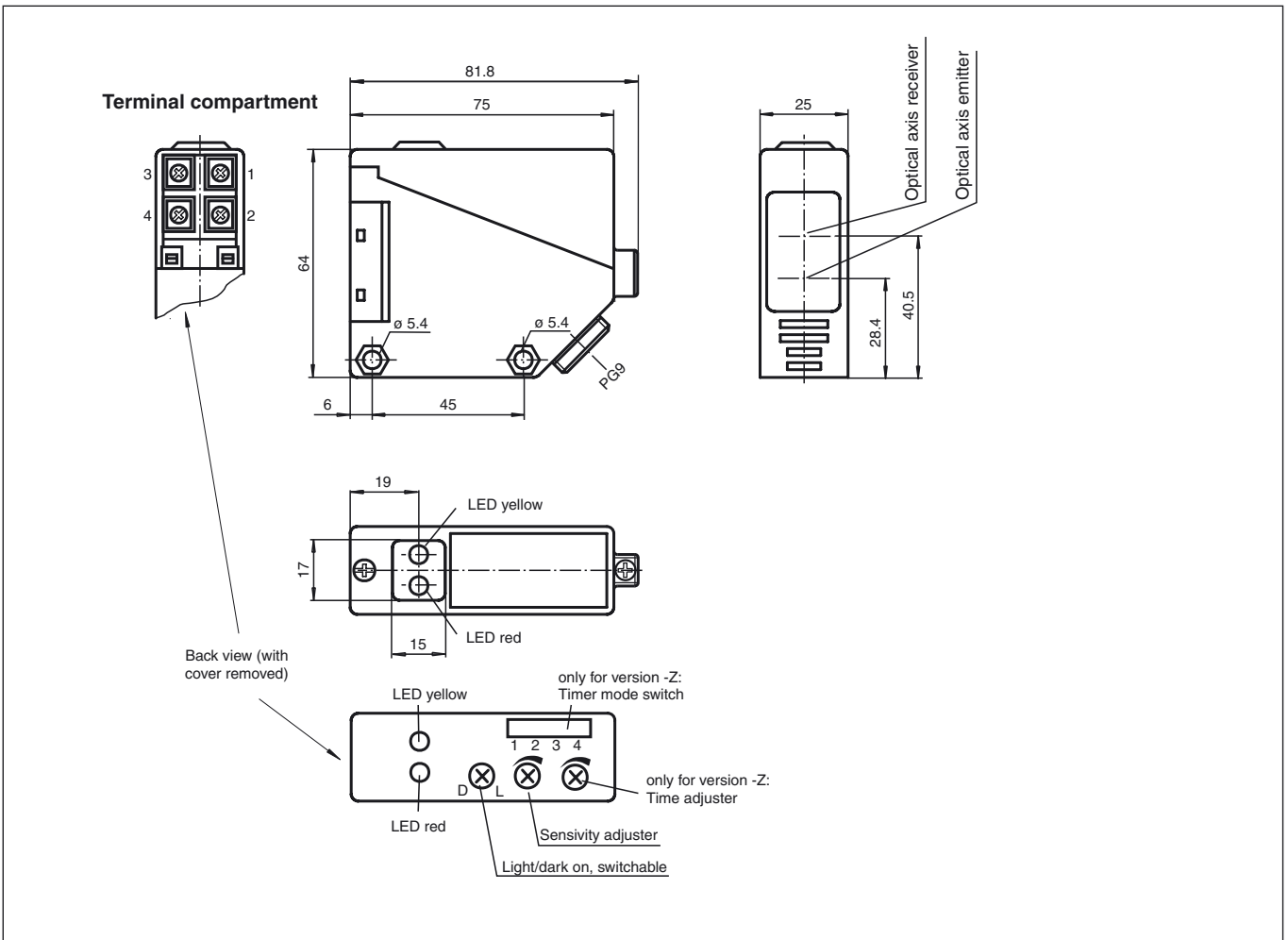


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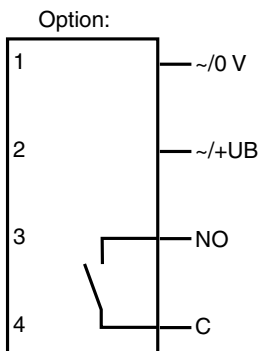
## Curves/diagrams



Dimensions



Electrical connection



○ = light on, ● = dark on

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