

RLK25-55/116

Retroreflective sensor with polarisation filter

RLK25-55/116

with terminal compartment



- ◆ Detection range up to 8 m, optional 14 m
- ◆ Compact design
- ◆ Sensitivity adjuster and light-/dark switch
- ◆ Pre-fault indication and output
- ◆ Test input

General specifications

Effective detection range	0 ... 4000 mm
Reflector distance	0 ... 4000 mm
Threshold detection range	8 m (with C110-2 reflector)
Light source	LED
Approvals	CE
USA	UL
Kanada	CSA
Light type	red, modulated light
Diameter of the light spot	approx. 100 mm at a distance of 4000 mm
Angle of divergence	approx. 2 °
Ambient light limit	80000 Lux

Indicators/operating means

Function display	LED green, lights up when light beam is free/ flashes when falling short of the stability control
Operating elements	sensitivity adjuster
Operating elements	Light/dark switch

Electrical specifications

Operating voltage	12 ... 240 V AC/DC
Power consumption P ₀	3 VA

Output

Switching type	Light/dark ON, switchable
Signal output	1 relay, 1 alternator
Switching voltage	max. 240 V AC
Switching current	max. 2 A
Switching frequency f	25 Hz
Response time	2 ms

Standard conformity

Standards	EN 60947-5-2
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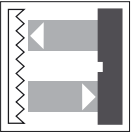
Ambient conditions

Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

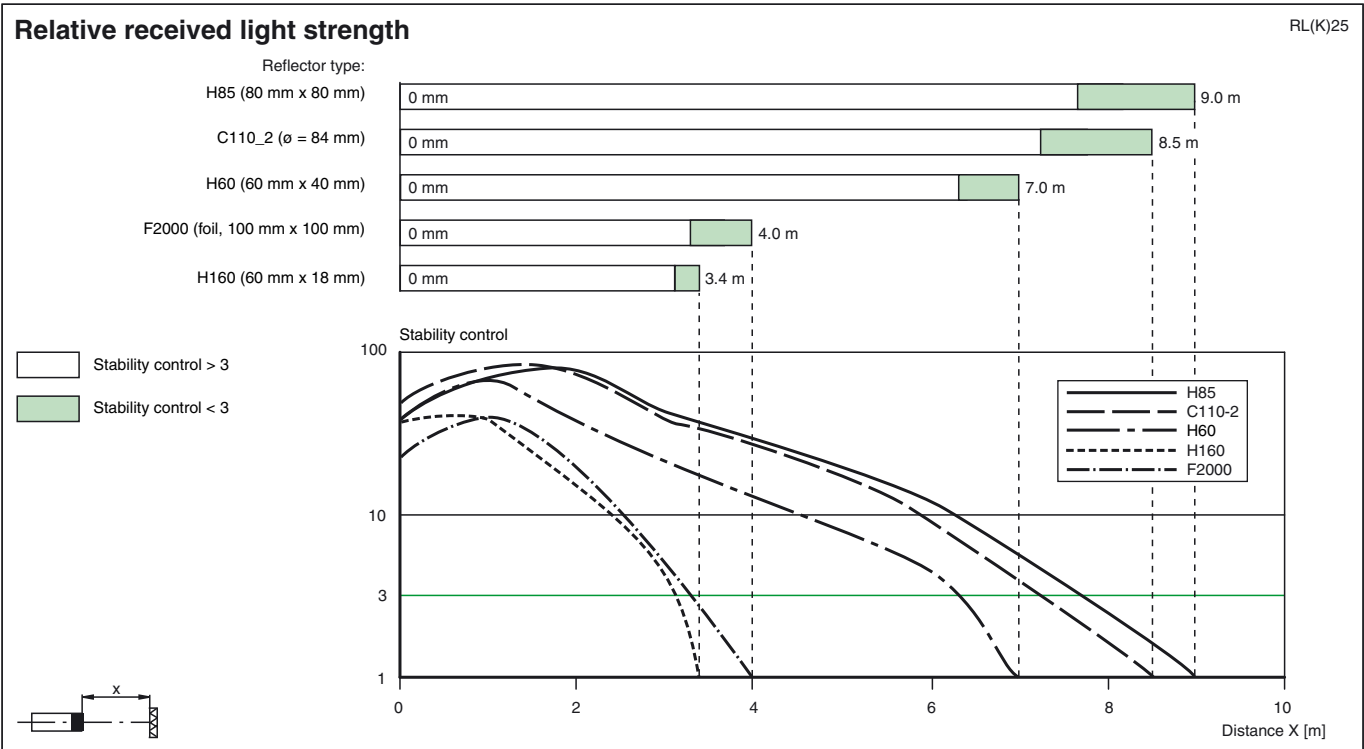
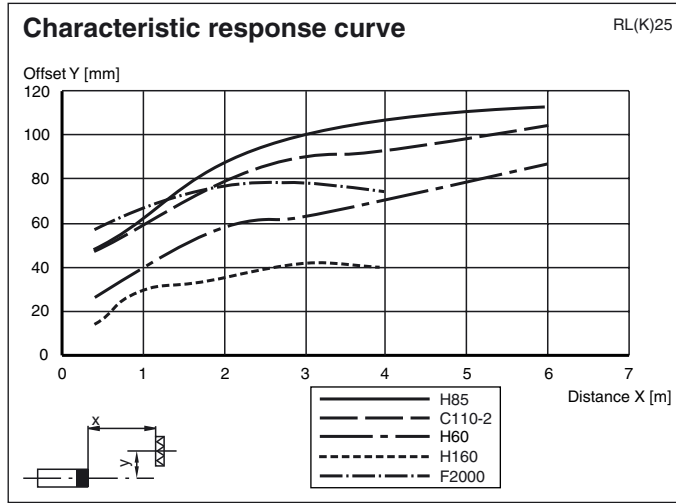
Mechanical specifications

Protection degree	IP65
Connection	terminal compartment
Material	
Housing	Terluran GV15
Optical face	glass
Mass	100 g

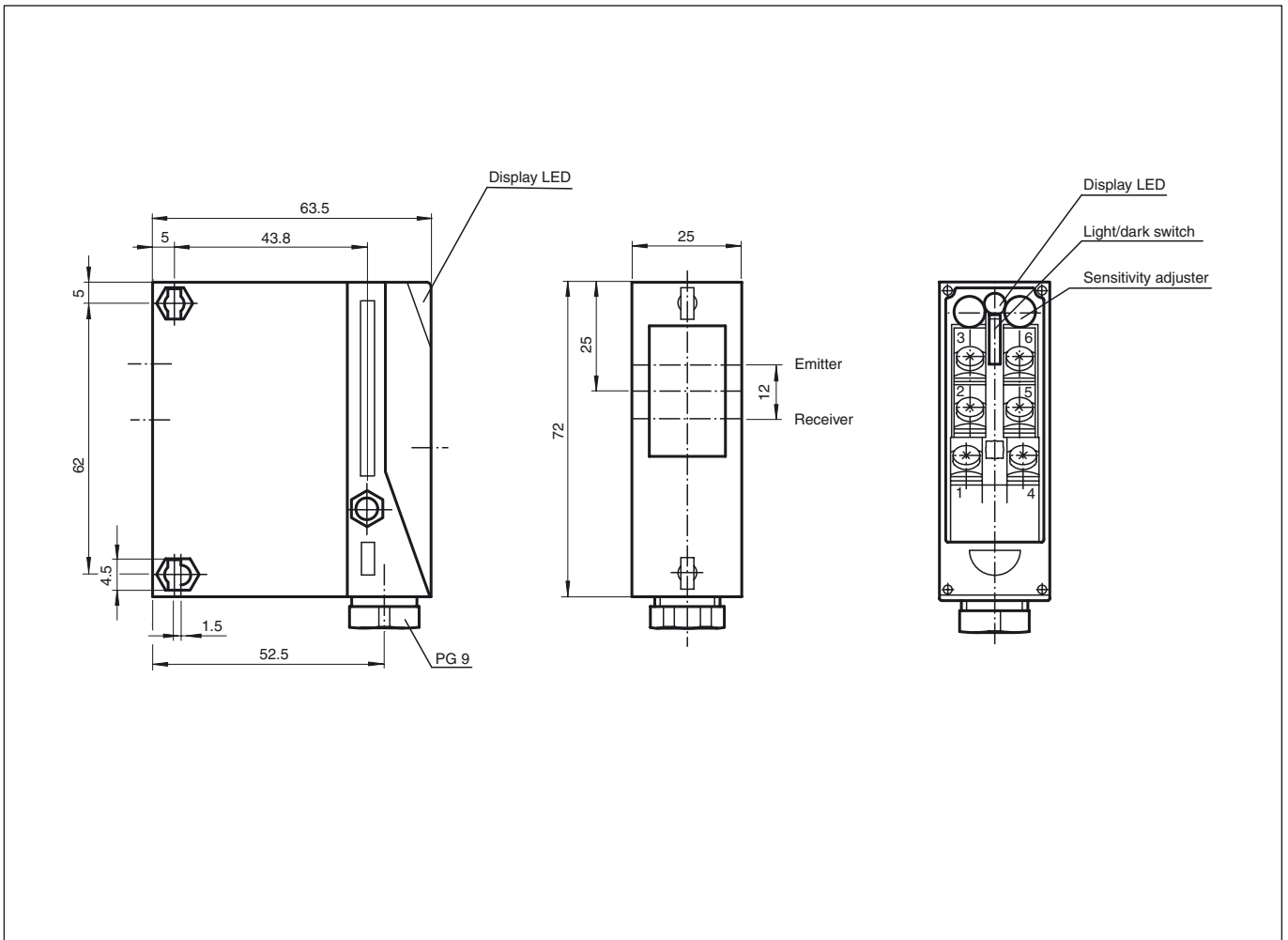
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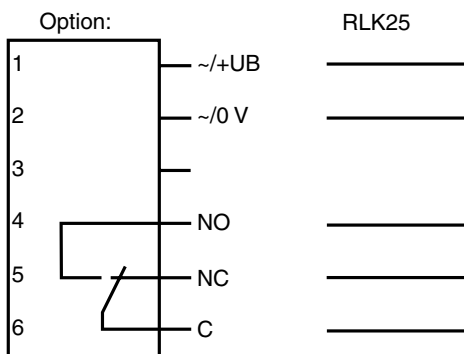
Curves/Diagrams



Dimensions



electrical connection



o = light ON, • = dark ON