



## Technical data

### General specifications

Effective detection range	0 ... 30 m
Threshold detection range	45 m
Light source	LED
Approvals	CE
USA	UL
Kanada	CSA
Obstacle size	25 mm
Light type	red, modulated light
Diameter of the light spot	250 mm at 10 m detection range
Angle of divergence	2 °
Ambient light limit	100000 Lux

### Indicators/operating means

Function display	LED yellow, frontal and in the terminal compartment, lit up when light beam is free, flashing when falling short of the stability control
Operating elements	Programming switch for light/dark ON, timer functions
Operating elements	2 potentiometers for timer functions
Operating elements	1 Potentiometer as sensitivity adjuster

### Electrical specifications

Operating voltage	$U_B$	10 ... 30 V DC
Ripple		10 %
No-load supply current	$I_0$	55 mA (device)

### Input

Test input	Emitter deactivation
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### Output

Switching type	light/dark switching
Signal output	1 npn, 1 pnp synchronised-switching, short-circuit proof, protected against reverse polarity
Switching voltage	30 V DC
Switching current	max. 200 mA
Switching frequency	$f$ 700 Hz
Response time	0.7 ms
Timer function	GAN, GAB, IAB, GAN-GAB, programmable adjustment range 0.1 ...10 s

### Standard conformity

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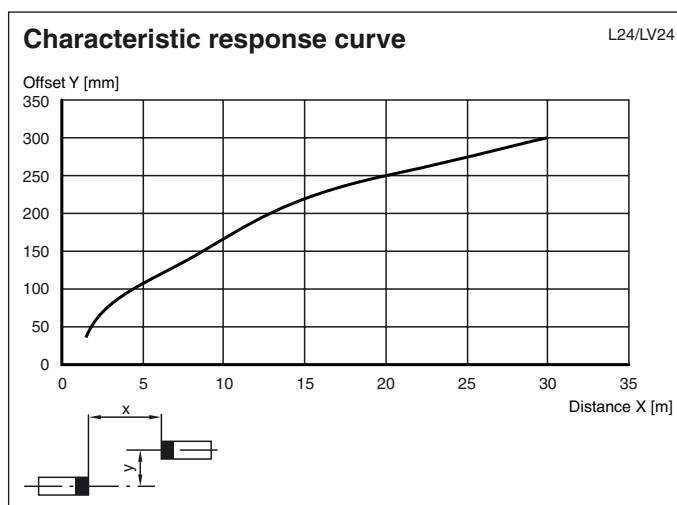
### Ambient conditions

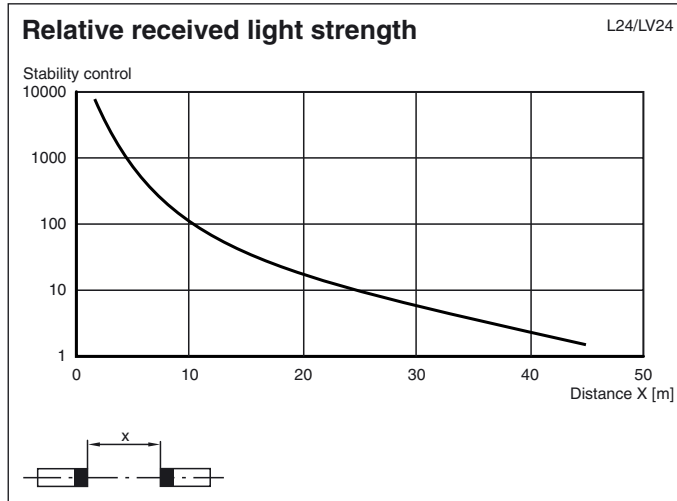
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

### Mechanical specifications

Protection degree	IP65
Connection	Flange connector series 714, 4-pin (including unwired, angled cable socket)
Material	
Housing	GF17
Optical face	glass
Mass	100 g (device)

## Curves/Diagrams





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