



**Model Number**

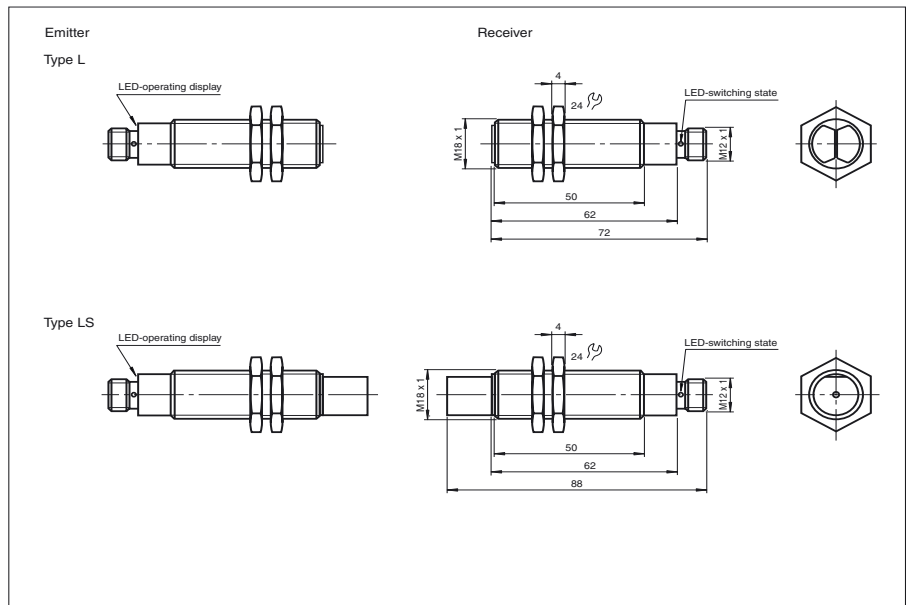
V5/VSE18-LS/32/40b/73

Thru-beam sensor  
with 4-pin, M12 x 1 plastic connector

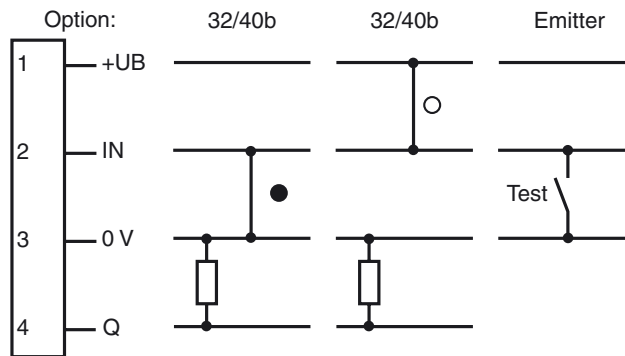
**Features**

- Detection range up to 30 m
- M18 threaded housing made of plastic
- Infrared light design
- Electrical light-/dark switching
- Test input
- Optical surface flush with housing
- Optical face alternatively lateral or frontal

**Dimensions**



**Electrical connection**



○ = Light on  
● = Dark on

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## Technical data

### General specifications

Effective detection range	0 ... 15 m
Threshold detection range	30 m
Light source	IREL
Approvals	CE
USA	UL
Kanada	CSA
Obstacle size	25 mm
Light type	infrared, modulated light
Diameter of the light spot	500 mm at 15 m detection range
Angle of divergence	2 °
Optical face	lateral
Ambient light limit	100000 Lux

### Indicators/operating means

Function display	LED red
Operating elements	sensitivity adjuster

### Electrical specifications

Operating voltage	$U_B$	10 ... 30 V DC
Ripple		10 %
No-load supply current	$I_0$	< 25 mA emitter, receiver < 50 mA

### Input

Test input	Emitter deactivation
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### Output

Switching type	Light/dark ON selectable programmable	
Signal output	1 pnp, short-circuit proof, protected against reverse polarity	
Switching voltage	max. 30 V DC	
Switching current	max. 200 mA	
Switching frequency	$f$	500 Hz
Response time		1 ms

### Standard conformity

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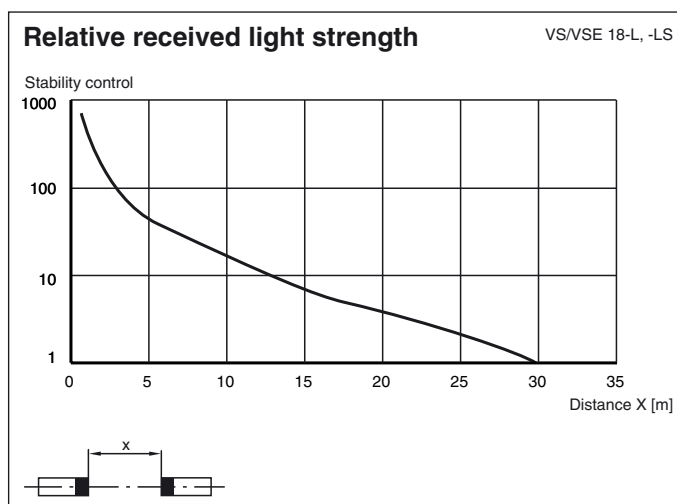
### Ambient conditions

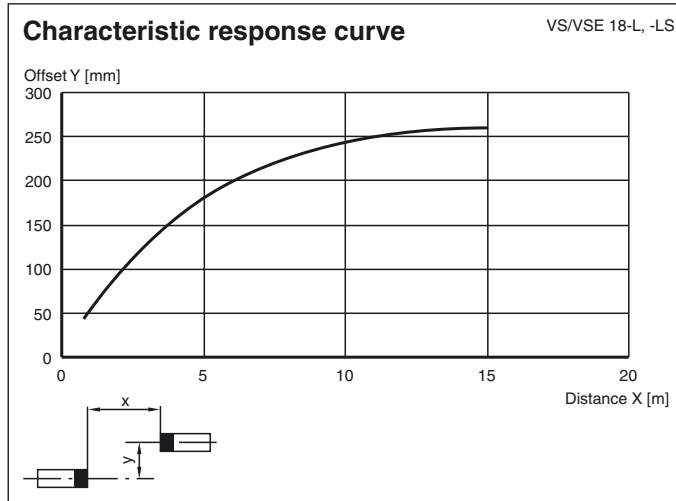
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 60 °C (253 ... 333 K)

### Mechanical specifications

Protection degree	IP67
Connection	M12 connector, 4-pin
Material	
Housing	plastic
Optical face	plastic
Mass	60 g (device)

## Curves/Diagrams





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