



Model Number

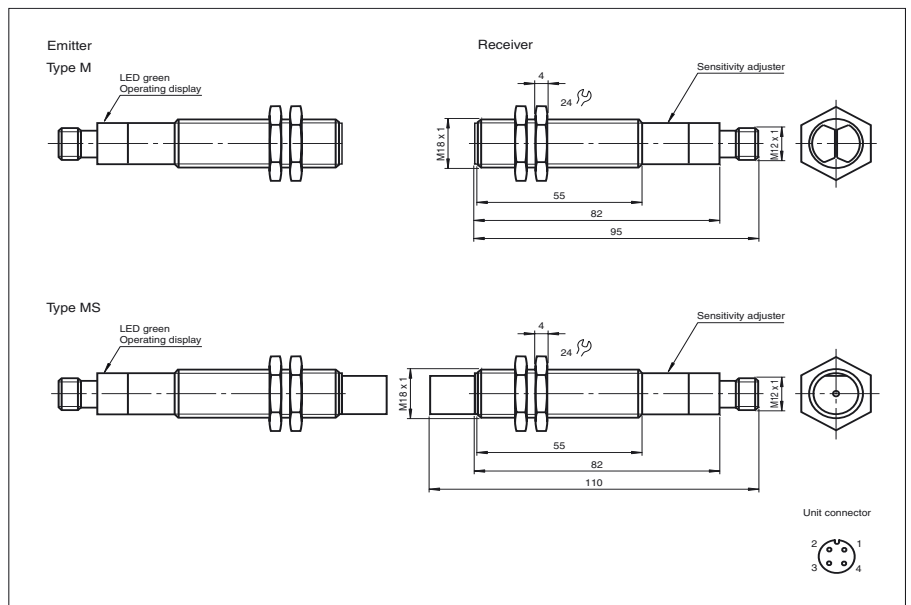
VS/VSE18-M/32/40b/92

Thru-beam sensor
with M12, 4-pin metal connector

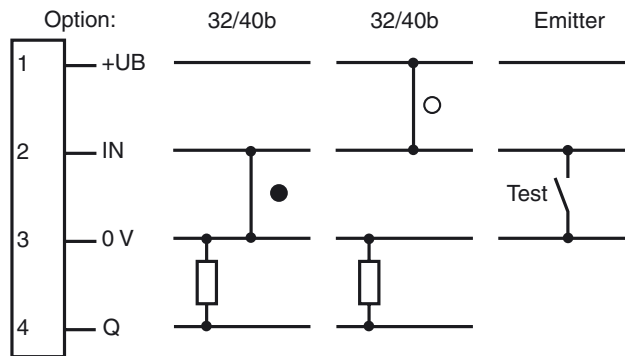
Features

- Detection range up to 15 m
- M18 threaded housing made of brass, nickel plated
- Red light design
- Electrical light-/dark switching
- Test input
- Optical face alternatively lateral or frontal

Dimensions

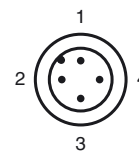


Electrical connection



○ = Light on
● = Dark on

Pinout



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Technical data

General specifications

Effective detection range	0 ... 10 m
Threshold detection range	15 m
Light source	LED
Approvals	CE
USA	UL
Kanada	CSA
Obstacle size	25 mm
Light type	red, modulated light
Diameter of the light spot	approx. 350 mm at a distance of 10 m
Angle of divergence	2 °
Optical face	frontal
Ambient light limit	100000 Lux

Indicators/operating means

Function display	LED yellow: switching state LED red: stability control display
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	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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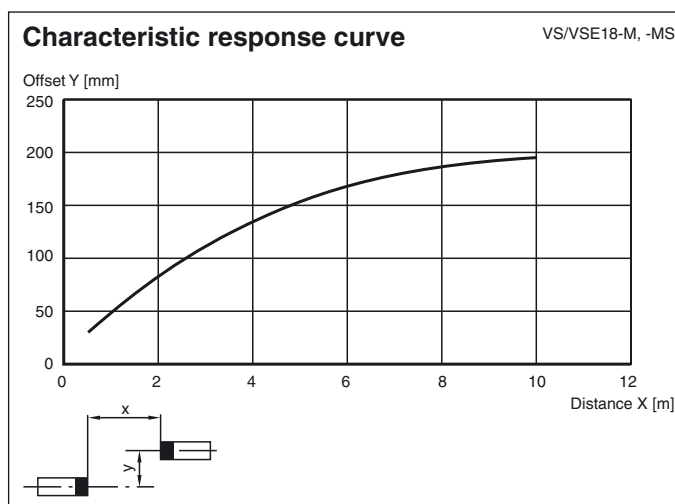
Ambient conditions

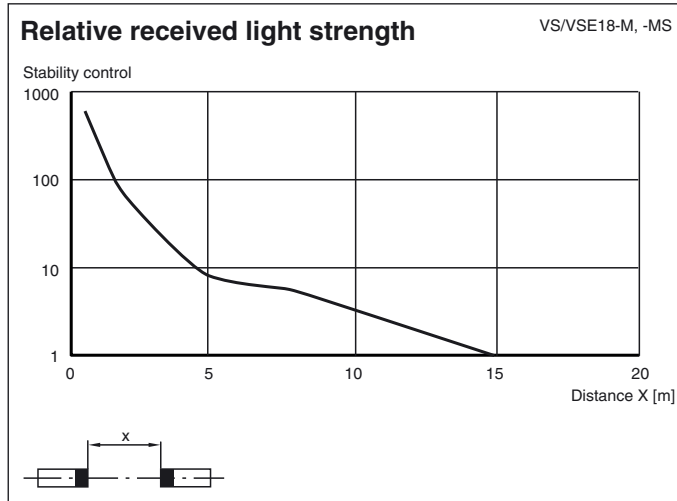
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-20 ... 75 °C (253 ... 348 K)

Mechanical specifications

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

Curves / Diagrams





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