

Single path light beam switch

M4.1/MV4.1/40b/95/110

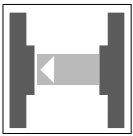
with M8, 4-pin metal connector



- ◆ Detection range up to 5 m
- ◆ Miniature design
- ◆ Push-pull output
- ◆ Test input
- ◆ sensitivity adjuster

For suitable cable sockets, reflectors and mounting aids refer to chapter "accessories".

Ordering code		M4.1/MV4.1/40b/95/110
Effective detection range	0 ... 2500 mm	◆
Threshold detection range	5 m	◆
Obstacle size	9 mm	◆
Light source	LED	◆
Light type	Red, alternating light	◆
Angle of divergence	Emitter 5° Receiver 15°	◆
Diameter of the light spot	260 mm at 2500 mm detection range	◆
Ambient light limit	100000 Lux	◆
Approvals	CE	◆
Standard conformity	EN 60947-5-2	◆
Operating display	LED, green	◆
Function display	LED yellow, lights up when light beam is free. Flashes when falling short of the stability control	◆
Controls	sensitivity adjuster	◆
Operating voltage	10 ... 30 V DC	◆
Ripple	< 10 %	◆
No-load supply current	< 25 mA (device)	◆
Signal output	Push-pull output, short-circuit proof, protected against reverse polarity	◆
Switching type	Light/dark on selectable electrically switchable	◆
Switching voltage	max. 30 V DC	◆
Switching current	max. 200 mA	◆
Switching frequency	500 Hz	◆
Response time	1 ms	◆
Test input	Input emitter deactivation at $U_E=10 \dots 30 \text{ V}$	◆
Ambient temperature	-20 ... 60 °C	◆
Storage temperature	-20 ... 75 °C	◆
Protection degree	IP65	◆
Connection type	4-pin, M8 connector	◆
Housing	ABS	◆
Light exit	Glass	◆
Mass	15 g (device)	◆



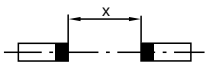
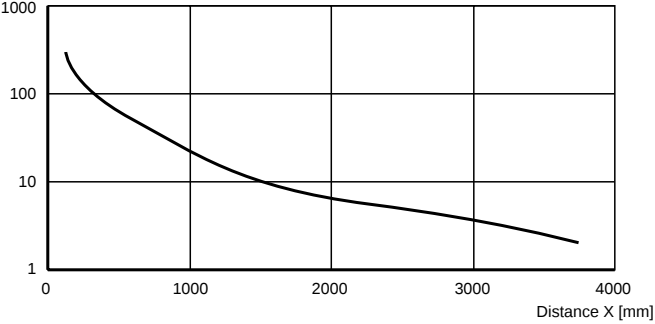
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Diagrams

Relative received light strength

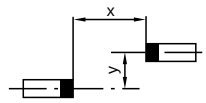
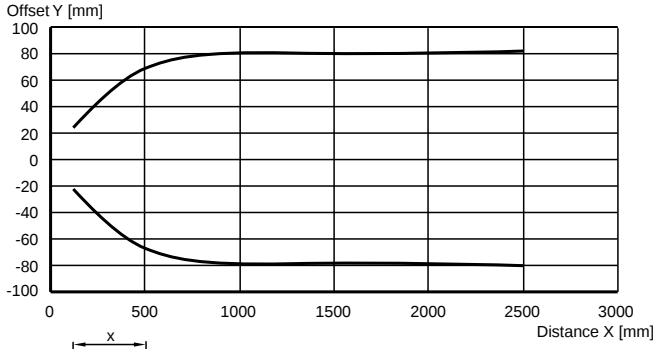
M4.1MV4.1

Stability control

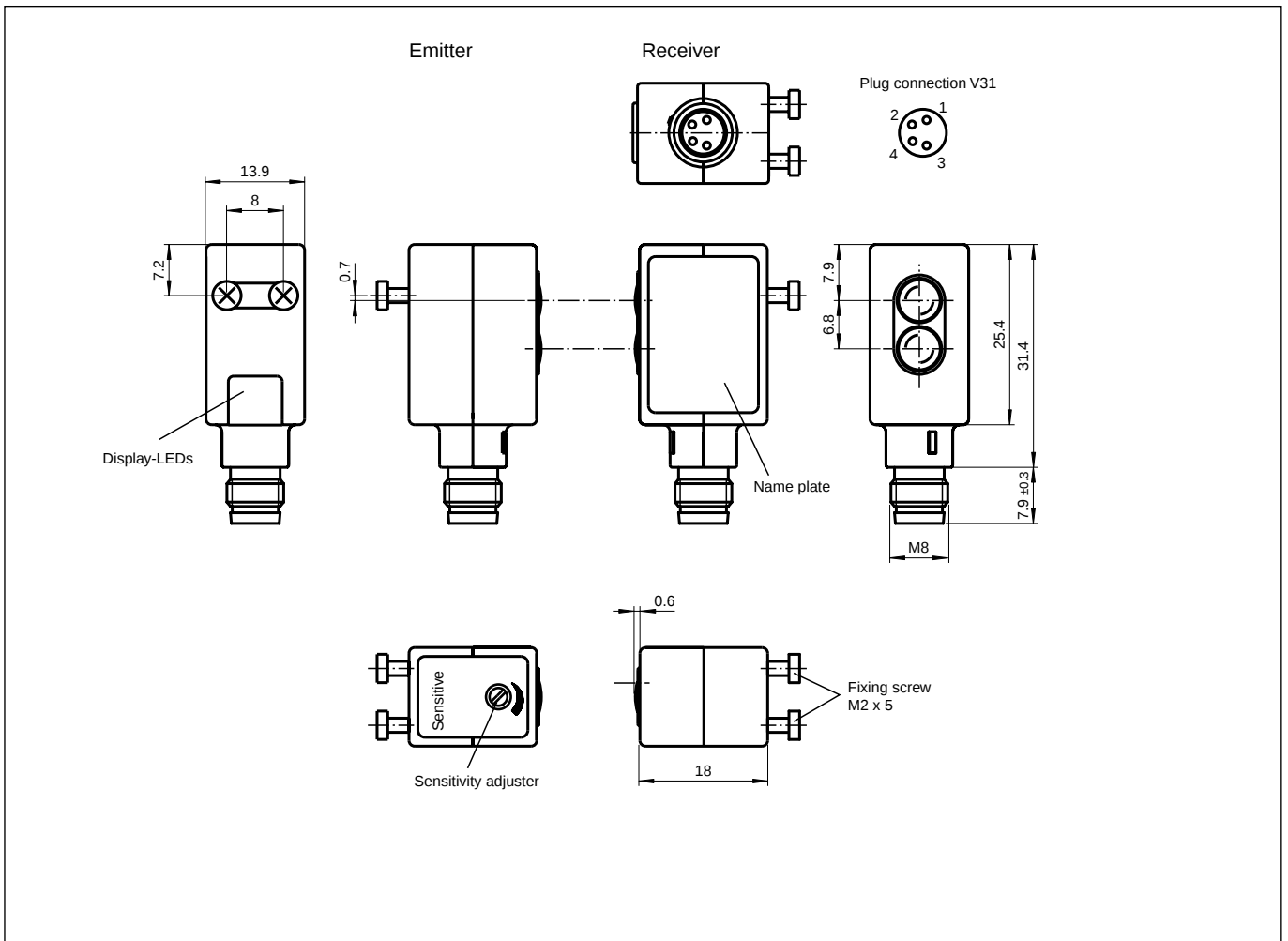


Characteristic response curve

M4.1MV4.1



Dimensions



Electrical Connection

