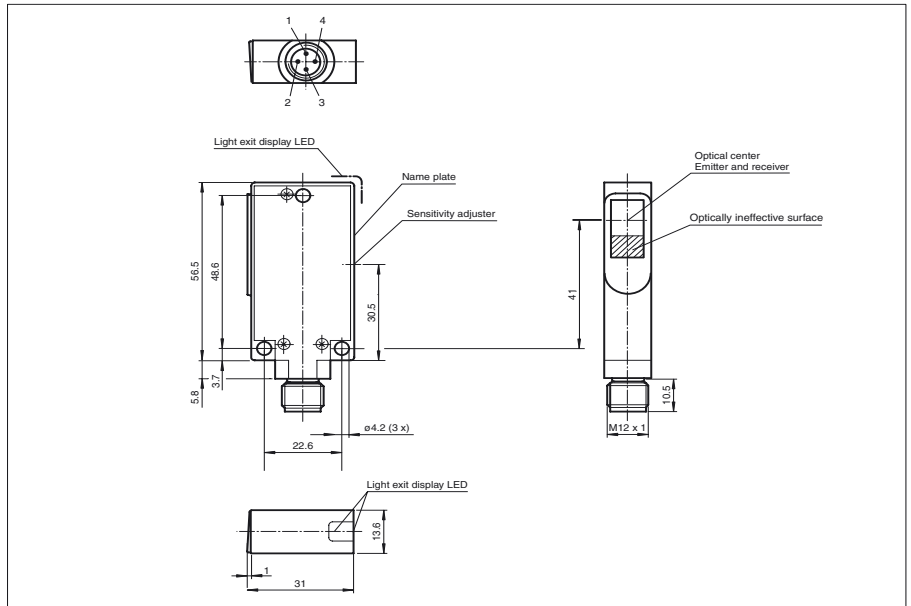




Dimensions



Model Number

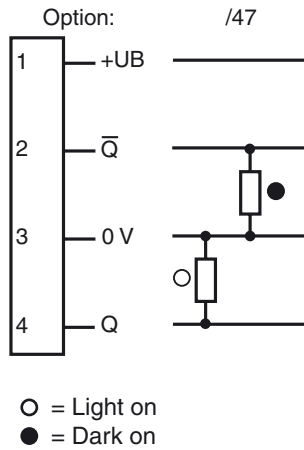
MLV40-54-G-1700

Retro-reflective sensor with polarisation filter for glass detection with M12, 4-pin metal connector

Features

- Sturdy aluminium housing
- Scratch-resistant and solvent resistant optical covering made of glass
- Pre-fault indication
- Detection of transparent materials

Electrical connection



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Technical data**General specifications**

Effective detection range	0 ... 200 mm
Reflector distance	0 ... 200 mm
Threshold detection range	400 mm (with H60 reflector)
Light source	LED
Approvals	CE, cULus
Light type	red, modulated light
Diameter of the light spot	approx. 8 mm at 200 mm detection range
Angle of divergence	approx. 2 °
Ambient light limit	75000 Lux

Indicators/operating means

Function display	LED green, lights up when light beam is free red LED when falling short of the stability control
Operating elements	sensitivity adjuster

Electrical specifications

Operating voltage	10 ... 30 V DC
Ripple	5 %
No-load supply current	I_0 40 mA

Output

Switching type	dark On - output 1 ; light ON -output 2
Signal output	2 pnp, antivalent, short-circuit proof, protected against reverse polarity, with internal 10 kOhm pull-down
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 ... 75 °C (253 ... 348 K)

Mechanical specifications

Protection degree	IP65
Connection	M12 connector, 4-pin
Material	
Housing	aluminium
Optical face	glass
Mass	100 g