



Model Number

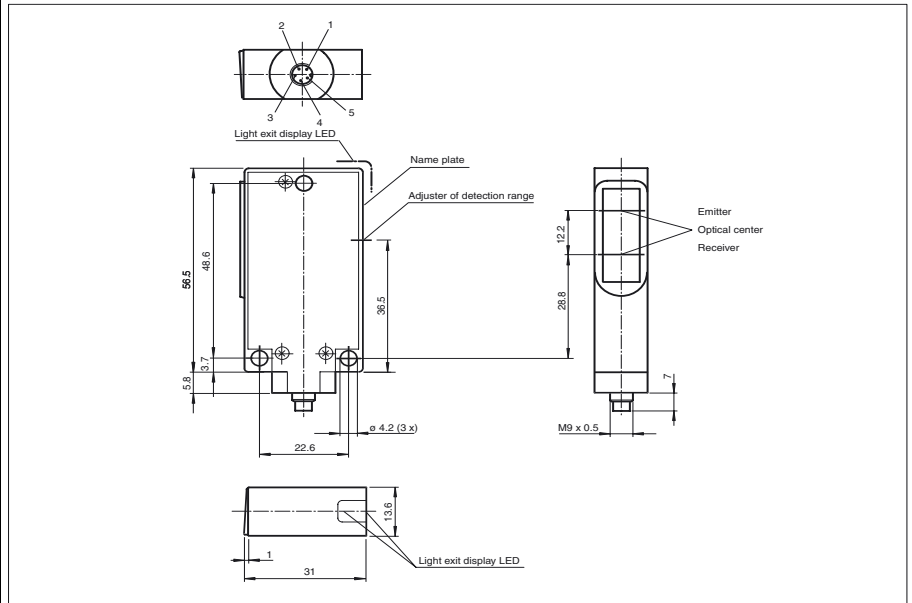
MLV40-8-H-150-65/40b/49/70b

Background suppression sensor
with metal connector, Binder series 712, 5-
pin

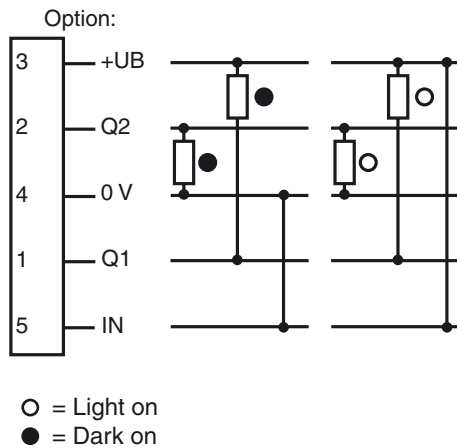
Features

- Sturdy aluminium housing
- Scratch-resistant and solvent resistant optical covering made of glass
- Minimal black-white difference
- Less space required
- Sensing range adjuster

Dimensions



Electrical connection



Technical data**General specifications**

Detection range	10 ... 150 mm
Light source	IREDD
Black/White difference (6 %/90 %)	< 10 %
Approvals	CE
USA	UL
Kanada	UL
Adjustment range	70 ... 150 mm
Reference target	standard white 100 mm X 100 mm
Light type	infrared, modulated light
Diameter of the light spot	approx. 5 mm at 150 mm
Angle of divergence	approx. 7 °
Ambient light limit	100000 Lux

Indicators/operating means

Function display	LED yellow, lights up with receiver lit
Operating elements	sensing range adjuster

Electrical specifications

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

Input

Control input	Light ON: +UB Dark ON: 0 V
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Output

Switching type	light/dark switching
Signal output	1 pnp and 1 npn short-circuit proof, protected against reverse polarity
Switching voltage	max. 30 V DC
Switching current	max. 200 mA
Switching frequency f	100 Hz
Response time	5 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	metal connector , Binder series 712, 5-pin
Material	
Housing	aluminium
Optical face	glass
Mass	100 g

Curves/Diagrams