

CE

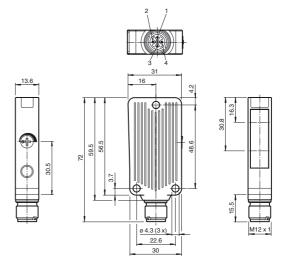
Model Number

MLV41-8-H-120-RT/65b/92/136

Background suppression sensor with 4-pin, M12 x 1 connector

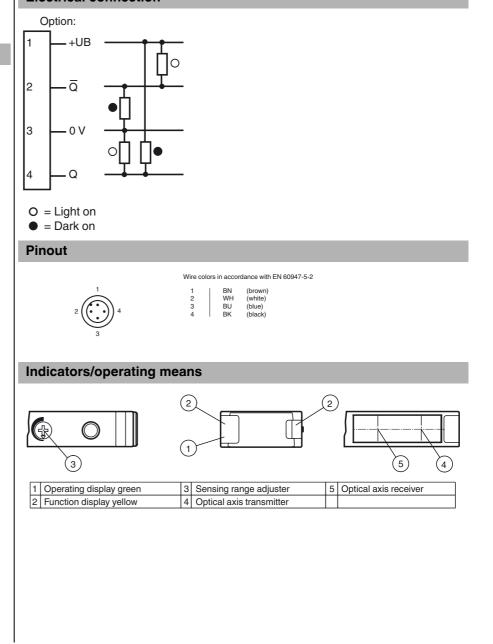
Features

- Reliable detection of all surfaces, • independent of color and structure
- Precision background suppression, • adjustable
- Low sensitivity to target color .
- PowerBeam transmitter LED •
- Very small light beam diameter •



Electrical connection

Dimensions



Pepperl+Fuchs Group www.pepperl-fuchs.com

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111 fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com **EPPPERL+FUCHS** 1 dark on

200 Hz 2.5 ms

31 mm

IP67

56.5 mm 13.6 mm

glass pane

metal

EN 60947-5-2

-20 ... 60 °C (-4 ... 140 °F) -40 ... 75 °C (-40 ... 167 °F)

4-pin, M12 x 1 connector

polarity protected max. 30 V DC max. 100 mA \leq 2 V DC

 U_{B}

 I_0

Ud f

	Accessories
20 120 mm Black-white difference < 3% 20 120 mm	OMH-09 Mounting bracket for MLV41 for M12 rod r
standard white, 100 mm x 100 mm LED modulated visible red light	OMH-40 Mounting bracket
approx. 4 mm at sensor range 100 mm approx. 2.5 ° 25000 Lux	OMH-41 Mounting bracket
500 a	V1-G-2M-PUR Female cordset, M12
20 a 0 %	V1-W-2M-PUR Female cordset, M12
LED green, statically lit Power on , Undervoltage indicator: Green LED, pulsing (approx. 0.8 Hz) , short-circuit : LED green flashing (approx. 4 Hz)	Other suitable access www.pepperl-fuchs.cor
2 LEDs yellow ON: object inside the scanning range OFF: object outside the scanning range	
Sensing range adjuster	
10 30 V DC , class 2 max. 10 %	
max. 25 mA at 24 V supply voltage	
devit on	

or Sensors series mounting

2, 4-pin, PUR cable

2, 4-pin, PUR cable

sories can be found at bm

Operating voltage
Ripple
No-load supply current
Output
Switching type
Signal output
Switching voltage
Switching current
Voltage drop
Switching frequency
Response time
Conformity
Product standard
Ambient conditions
Ambient temperature

Technical data General specifications

Detection range

Adjustment range

Reference target

Diameter of the light spot

Diagnostic Coverage (DC)

Indicators/operating means Operation indicator

Functional safety related parameters

Angle of divergence

Ambient light limit

Function indicator

Control elements

Electrical specifications

Light source

Light type

 $\mathsf{MTTF}_{\mathsf{d}}$ Mission Time (T_M)

Storage temperature **Mechanical specifications** Housing width Housing height Housing depth Degree of protection Connection Material Housing Optical face Connector

Mass

UL approval

CCC approval

approx. 40 g Approvals and certificates cULus Listed 57M3 (Only in association with UL Class 2 power supply; Type 1 enclosure)

Aluminum, Delta-Seal coated

CCC approval / marking not required for products rated ≤36 V

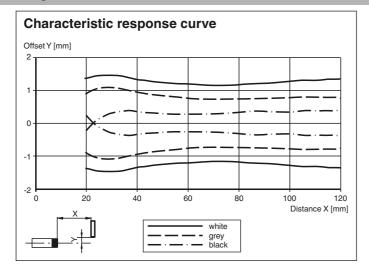
2 push-pull (4 in 1) outputs, short-circuit protected, reverse

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Curves/Diagrams



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