

CE VISCO ECOLAB

Model Number

ML7-8-H-350-IR/59/65a/115/127

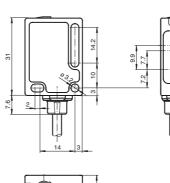
Background suppression sensor with 2 m fixed cable

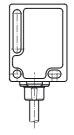
Features

- Miniature design •
- Reliable detection of all surfaces, in-٠ dependent of color and structure
- Minimal black-white difference ٠
- Precision background suppression, • adjustable
- Clearly visible function indicators ٠
- Short circuit and low voltage indicator •
- Certified by ECOLAB •

Product information

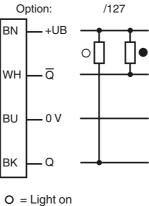
Small, robust, effective, and reliable - these are the properties of the ML7 sensor series. Due to their small size, number of versions, and two different lens positions, they are particularly suited for installation in tight spaces. The robust design and high quality of Pepperl+Fuchs mean they can also be used under harsh environmental conditions. The efficient technology, switching frequencies up to 1000 Hz, high resistance to ambient light, and 4-in-1 output make the series suitable for non-contact object detection.





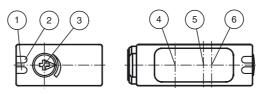


Electrical connection





Indicators/operating means



1	Operating display	green
2	Signal display	yellow
3	Sensing range adjuster	
4	Emitter	
5	Receiver TW min.	
6	Receiver TW max.	

Pepperl+Fuchs Group

www.pepperl-fuchs.com

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Technical data

Detection range

General specifications

Detection range min.

Detection range max

Black/White difference (6 %/90 %)

Diameter of the light spot

Diagnostic Coverage (DC)

Indicators/operating means

Mission Time (T_M)

Operation indicator

Function indicator

Control elements

Ripple

Output Switching type

Signal output

Switching voltage

Switching current

Response time

Connection

Optical face

Material Housing

Mass

ves

Switching frequency

Ambient conditions Ambient temperature

Storage temperature

Mechanical specifications Degree of protection

Electrical specifications Operating voltage

No-load supply current

Adjustment range

Reference target

Light source

Light type

MTTF_d

Accessories Montagekit OMH-ML7-01 5 ... 350 mm Mounting set consisting of bracket OMH-4 ... 25 mm 10 ... 350 mm ning material 25 ... 350 mm standard white, 100 mm x 100 mm IRED modulated infrared light < 17 % approx. 15 mm at detection range 350 mm Functional safety related parameters 1580 a Mounting bracket 20 a 0% LED green, statically lit Power on , Undervoltage indicator: Green LED, pulsing (approx. 0.8 Hz) , short-circuit : LED green flashing (approx. 4 Hz) Fixing plate LED yellow: lights when object is detected Detection range adjuster UB 10 ... 30 V DC , class 2 max. 10 % < 20 mA 1₀ light/dark on 2 NPN complementary, short-circuit protected, reverse polarity protected max. 30 V DC max. 100 mA 250 Hz 2 ms -20 ... 60 °C (-4 ... 140 °F)

ML-01 sheet OMH-ML7-03, and faste-Montagekit OMH-ML7-02

Mounting set consisting of bracket OMH-ML-02 sheet OMH-ML7-03, and fastening material

OMH-ML7-01

OMH-ML7-02 Mounting bracket

OMH-ML7-03

Other suitable accessories can be found at www.pepperl-fuchs.com

Compliance with standards and directi-

Approvals and certificates Protection class

Standard conformity Product standard

UL approval CCC approval

II, rated voltage \leq 50 V AC with pollution degree 1-2 according to IEC 60664-1 cULus CCC approval / marking not required for products rated ≤36 V

-40 ... 75 °C (-40 ... 167 °F)

PC (glass-fiber-reinforced Makrolon)

IP67 / IP69K

approx. 10 g

EN 60947-5-2:2007 IEC 60947-5-2:2007

PMMA

2 m fixed cable

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Curves/Diagrams

