

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group www.pepperl-fuchs.com

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0...5m

7 m H50 reflector

I FD

yes

0.01 ... 5 m

approx. 4 °

frontal

860 a 20 a

0%

modulated visible red light

approx. 500 mm at a distance of 7 m

EN 60947-5-2:2007+A1:2012

Technical data

General specifications
Effective detection range
Reflector distance
Threshold detection range
Reference target
Light source
Light type
Polarization filter
Diameter of the light spot
Angle of divergence
Optical face
Ambient light limit
Functional safety related parameters
MTTF _d
Mission Time (T _M)
Diagnostic Coverage (DC)
Indicators/operating means
Operation indicator
Function indicator

Electrical specifications

Operating voltage Ripple No-load supply current Output Switching type Signal output Switching voltage Switching current

Voltage drop Switching frequency Response time Ambient conditions Ambient temperature Storage temperature Mechanical specifications Degree of protection Connection Material Housing Optical face Mass Tightening torque, fastening screws

Compliance with standards and directi-

EMC Directive 2004/108/EC

Approvals and certificates

Cable length

Directive conformity

Standard conformity

Standards

UL approval

CCC approval

ves

LED green: power on LED yellow: lights up when receiving the light beam ; flashes when falling short of the stability control; OFF when light beam is interrupted 10 ... 30 V DC UB max 10 % l₀ < 20 mA light on 1 PNP output, short-circuit protected, reverse polarity protected, open collector max. 30 V DC max. 100 mA , resistive load ≤ 1.5 V DC U_{d} 1000 Hz 0.5 ms -30 ... 60 °C (-22 ... 140 °F) -40 ... 70 °C (-40 ... 158 °F)

IP67

connector M8 x 1, 4-pin

PC (Polycarbonate) PMMA approx. 50 g 0.6 Nm 0.3 m

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UL 60947-5-2

cULus Listed, Class 2 Power Source or listed Power Supply with a limited voltage output with (maybe integrated) fuse (max. 3.3 A according UL248), Type 1 enclosure CCC approval / marking not required for products rated ≤36 V

Acc	ess	ories
ACC	C33	01103

OMH-F10-ML100 Mounting aid for ML100 series

OMH-ML100-01 Mounting aid for ML100 series, Mounting bracket

OMH-ML100-03 Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm

OMH-ML100-04 Mounting aid for ML100 series, Mounting bracket

OMH-ML100-05 Mounting aid for ML100 series, Mounting bracket

OMH-10 Mounting aid

REF-H85-2 Reflector, rectangular 84.5 mm x 84.5 mm, mounting holes

REF-C110-2 Reflector, round ø 84 mm, central mounting hole

REF-H60-2 Reflector with mounting holes

REF-H50 Reflector, rectangular 51 mm x 61 mm, mounting holes, fixing strap

REF-H33 Reflector with screw fixing

OFR-70-2 Reflective tape 70 mm x 70 mm

V31-WM-2M-PUR Female cordset, M8, 4-pin, PUR cable

V31-GM-2M-PUR Female cordset, M8, 4-pin, PUR cable

OMH-ML100-08 Mounting aid for ML100 series, Snap-in

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

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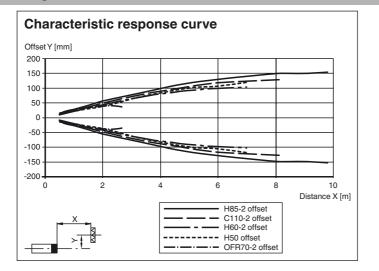
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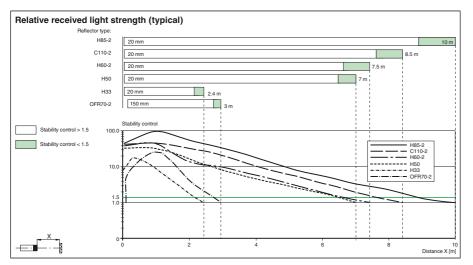
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Curves/Diagrams





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