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Model Number

ML100-54/103/115

Retroreflective sensor with polarization filter

with 2 m fixed cable

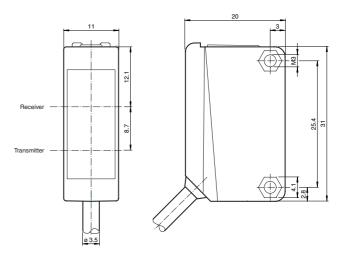
Features

- · Miniature design
- Easy to use
- Clearly visible LEDs for Power ON, switching state and weak signal indi-
- Very bright, highly visible light spot
- Full metal thread mounting
- Not sensitive to ambient light

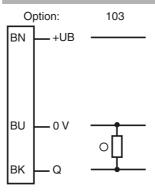
Product information

The ML100 series is characterized by its miniature housing with integral, all-metal threaded bushings. All versions are equipped with a visible red transmitter LED. This greatly simplifies installation and commissioning. The switching states are easily visible from all directions thanks to the highly visible LEDs.

Dimensions

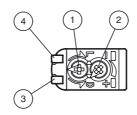


Electrical connection



- O = Light on
- = Dark on

Indicators/operating means



1	Light-Dark-switching	
2	Sensitivity adjuster	
3	Signal display	yellow
4	Operating display	green

PEPPERL+FUCHS



	0 3.5 m	
	0.01 3.5 m	
	4.5 m	
	H50 reflector	
	LED	
	modulated visible red light	
	yes	
	approx. 350 mm at a distance of 4.5 m	
	approx. 4 °	
	frontal	
	EN 60947-5-2:2007+A1:2012	
ters		
	860 a	
	20 a	
	0 %	
	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	
	sensitivity adjustment	
	Light-on/dark-on changeover switch	
U_B	10 30 V DC	
	max. 10 %	
I ₀	< 20 mA	
	The switching type of the sensor is adjustable. The default setting is: 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 1000 Hz	
1	0.5 ms	
	0.5 ms	
	20 60 °C / 22 140 °E\	
	-30 60 °C (-22 140 °F)	
	-40 70 °C (-40 158 °F)	
	ID67	
	IP67 2 m fixed cable	
	2 m lixed cable	
	PC (Polycarbonate)	
	PMMA	
10	approx. 50 g 0.6 Nm	
S	2 m	
d:ua a4:	= ""	
airecti		
	EN 60047 E 0.0007 A1.0010	
	EN 60947-5-2:2007+A1:2012	
	UL 60947-5-2	
	OL 00947-5-2	
	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	
	U _B	

Accessories

OMH-F10-ML100

Mounting aid for ML100 series

OMH-ML100-01

Mounting aid for ML100 series, Mounting bracket

OMH-ML100-02

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

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

REF-MH23-2

Reflector with Micro-structure, rectangular 23 mm x 14 mm, diagonal mounting hole

OMH-ML100-08

Mounting aid for ML100 series, Snap-in

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



Curves/Diagrams

