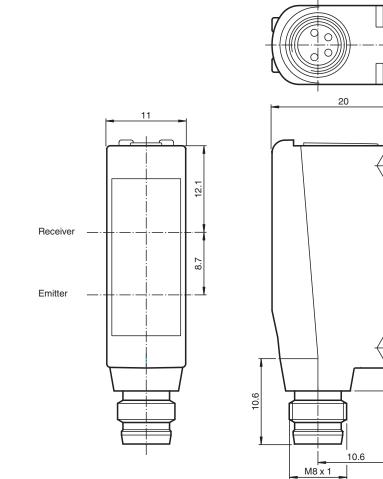


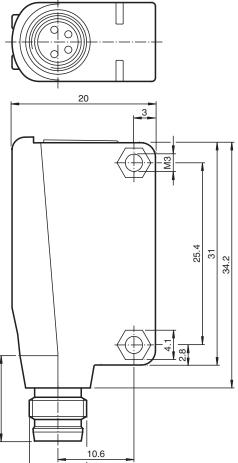
Retroreflective sensor with polarization filter, plastic housing, 5 m detection range, red light, dark on, DC version, PNP output, M8 plug



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





Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

Pepperl+Fuchs Group www.pepperl-fuchs.com

Release date: 2022-03-30 Date of issue: 2022-03-30 Filename: 309027_eng.pdf

USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com

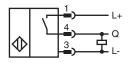
Germany: +49 621 776 1111 fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com

1

	03.5 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
	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
J _B	10 30 V DC
	max. 10 %
0	< 20 mA
	dark-on
	1 PNP output, short-circuit protected, reverse polarity protected, open collector
	max. 30 V DC
	max. 100 mA, resistive load
J _d	≤ 1.5 V DC
u	1000 Hz
	0.5 ms
	EN 60947-5-2
	TR CU 020/2011
	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
	-30 60 °C (-22 140 °F)
	-40 70 °C (-40 158 °F)
	11 mm
	31 mm
	20 mm
	IP67
	Connector M8 x 1, 3-pin
	PC (Polycarbonate)
	PMMA
	approx. 10 g
	0.6 Nm
٥	

Connection



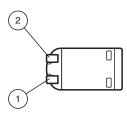
Connection Assignment



Wire colors in accordance with EN 60947-5-2

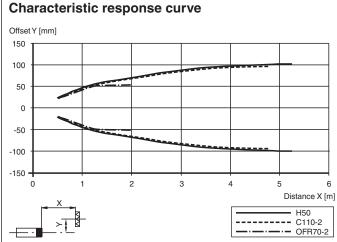
1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Indication

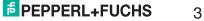


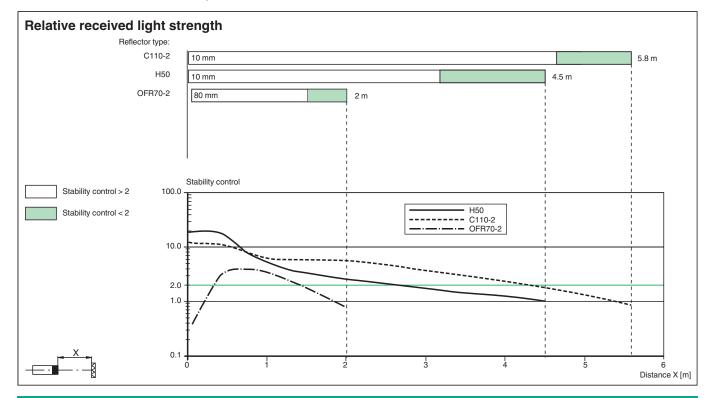
1	Signal display	yellow
2	Operating display	green

Characteristic Curve



Refer to "General Notes Relating to Pepperl+Fuchs Product Information"





Accessories

C.	OMH-ML100-09	Mounting aid for round steel ø 12 mm or sheet 1.5 mm 3 mm
	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 for ML100 series
	REF-C110-2	Reflector, round ø 84 mm, central mounting hole
	REF-H60-2	Reflector with mounting holes
	REF-H33	Reflector with screw fixing
	OFR-70-2	Reflective tape 70 mm x 70 mm
\sum	V3-WM-2M-PUR	Female cordset single-ended M8 angled A-coded, 3-pin, PUR cable grey

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Release date: 2022-03-30 Date of issue: 2022-03-30 Filename: 309027_eng.pdf

Acces	Accessories			
	REF-H85-2	Reflector, rectangular 84.5 mm x 84.5 mm, mounting holes		
	REF-H50	Reflector, rectangular 51 mm x 61 mm, mounting holes, fixing strap		
	OFR-100/100	Reflective tape 100 mm x 100 mm		

 Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

 Pepperl+Fuchs Group
 USA: +1 330 486 0001
 Gr

 www.pepperl-fuchs.com
 fa-info@us.pepperl-fuchs.com
 fa-info@us.pepperl-fuchs.com

5