

Model Number

ML17-54/115b/136

Retroreflective sensor

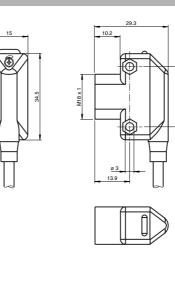
with fixed cable and M12 connector, 4-pin

Features

- Compact series in universal housing for standard applications
- Miniature design
- Front mounting with M18-threads or side mounting holes
- 360° high visibility LEDs
- Time-saving mounting with quick clamp system
- Version with polarized filters detect shiny objects
- 4-in-1 output (push-pull)

Product information

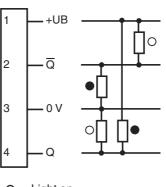
The ML17 sensor family offers diverse connection and installation options, which means that it can adapt to the most varied automation tasks. In addition to the usual fitting method using M4 screws, these sensors can also be installed by means of M18 threaded insert. All devices are equipped with a green Power On display and a yellow function display. These displays are arranged in such a way that they are clearly visible from different directions.





Electrical connection

Dimensions

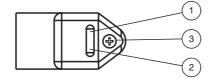




Pinout



Indicators/operating means



1	Signal display	yellow	
2	Operating display	green	
3	Sensitivity adjustment		

Subject to modifications without notice Pepperl+Fuchs Group US www.pepperl-fuchs.com fa-info

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

Germany: +49 621 776-4411 fa-info@pepperl-fuchs.com Copyright Pepperl+Fuchs Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



1

Technical data

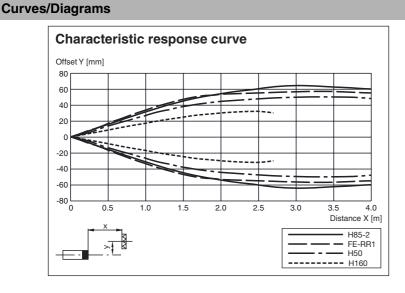
recinical uala		
General specifications		
Effective detection range		0 3.5 m
Reflector distance		50 3500 m
Threshold detection range		5 m
Reference target		FE-RR1 refle
Light source		LED
Light type		modulated vi
Ambient light limit		≤ 10000 Lux
Indicators/operating means		
Operating display		LED green
Function display		LED yellow,
Controls		sensitivity ad
Electrical specifications		
Operating voltage	UB	10 30 V D
Ripple		max. 10 %
No-load supply current	I ₀	< 25 mA
Operating current		100 mA max
Time delay before availability	t _v	\leq 200 ms
Output		
Switching type		light/dark on
Signal output		2 push-pull (rity protected
Switching voltage		max. 30 V D
Switching current		max. 100 mA
Voltage drop	Ud	\leq 2 V DC
Switching frequency	f	500 Hz
Response time		≤ 1 ms
Ambient conditions		
Ambient temperature		-20 55 °C
Storage temperature		-20 75 °C
Mechanical specifications		
Protection degree		IP67
Connection		150 mm PV0
Material		
Housing		ABS
Optical face		Acrylic
Mass		approx. 23 g
Compliance with standards and ves	1 direct	i-
Standard conformity		
Product standard		EN 60947-5- IEC 60947-5-
Approvals and certificates		

mm lector visible red light , 626 nm lights up with receiver lit djustment C, class 2 x per output (4 in 1)outputs, short-circuit protected, reverse polad, overvoltage protected C A (-4 ... 131 °F) (-4 ... 167 °F) C cable with 4-pin, M12 connector -2:2007 5-2:2007 cULus

Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

UL approval

CCC approval



Α	cces	sor	ies

OMH-ML17-EZ Mounting bracket

OMH-ML17 Mounting bracket

OMH-ML17-1 Mounting bracket

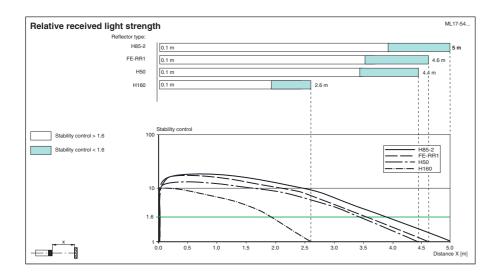
V1-G-2M-PUR Cable socket, M12, 4-pin, PUR cable

V1-W-2M-PUR Cable socket, M12, 4-pin, PUR cable

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



2



Subject to modifications without notice

Pepperl+Fuchs Group www.pepperl-fuchs.com

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

