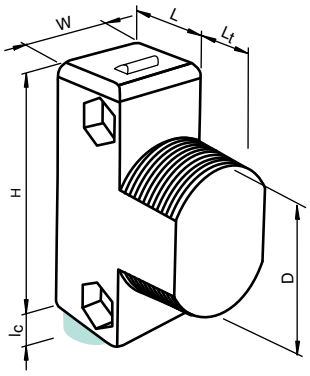


Properties

- **Polarized type**
- **Rectangular miniature housing**
- **Plastic housing**
- **DC sensor**
- **Discrete output**
- **Cable, connector and pigtailed connector versions**
- **Visible red light**

Your Benefit

- **Threaded face and side thru-holes provide flexible mounting options**



Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Polarization filter	✔
Sensitivity adjustment	✔
Threshold detection range	5 m
Effective detection range	0 ... 3.5 m
Reference target	FE-RR1 reflector
Light type	modulated visible red light , 626 nm
Operating voltage	10 ... 30 V DC , class 2
No-load supply current	< 25 mA
Signal output	2 Push-pull (4 in 1) outputs, short-circuit protected, reverse polarity protected, overvoltage protected
Switching type	light/dark on
Switching current	max. 100 mA
Switching frequency	500 Hz
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Material	
Housing	ABS
Optical face	Acrylic
Protection degree	IP67

Model Number		ML17-54/115/136	ML17-54/115b/136	ML17-54/136/143	ML17-54/73/136
Connection	fixed cable 150 mm with M12 x 1 male connector, 4 pin		●		
	2 m fixed cable	●			
	connector M12 x 1, 4-pin				●
	M8 x 1 connector, 4-pin			●	
					
Approvals and Certificates					
UL approval	cULus	●	●	●	●
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.				

Dimensions	
Length L [mm]	19,1
Width W [mm]	15
Height H [mm]	34,5
Thread length l_t [mm]	10,2
Connector area l_c [mm]	10

Accessories

This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets See pages 1074 ... for mounting aids

OMH-ML17-EZ	Mounting bracket
OMH-ML17	Mounting bracket
OMH-ML17-1	Mounting bracket
V31-GM-2M-PUR	Cable socket, M8, 4-pin, PUR cable
V31-WM-2M-PUR	Cable socket, M8, 4-pin, PUR cable
V1-G-2M-PUR	Cable socket, M12, 4-pin, PUR cable
V1-W-2M-PUR	Cable socket, M12, 4-pin, PUR cable

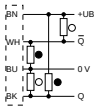
Electrical Connection

❍ = light on, ● = dark on

ML17-54/115/136



Option 115/136

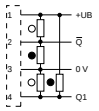






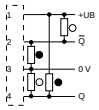
ML17-54/115b/136

Option 115b/136



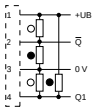
ML17-54/73/136

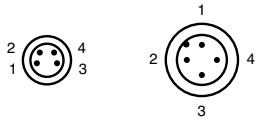
Option 73/136



ML17-54/136/143

Option 136/143





Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

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Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
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