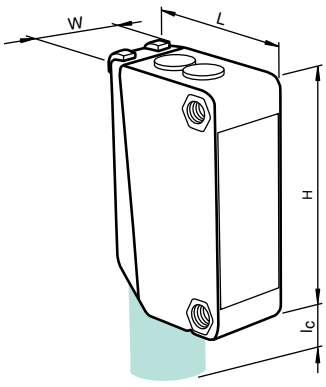


Properties

- Emitter / receiver set
- Rectangular miniature housing
- Plastic housing
- Discrete output
- Cable version
- Visible red light

Your Benefit

- Simplest alignment and set-up with ultra-bright Power-Beam emitter LED
- Rugged housing has metal-reinforced mounting holes



Technical Data

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

General Data	
Test input	✔
Sensitivity adjustment	✔
Light/dark switch	✔
Light type	modulated visible red light
Operating voltage	10 ... 30 V DC , class 2
No-load supply current	Emitter: ≤ 15 mA Receiver: ≤ 8 mA
Switching type	light/dark on, switchable
Switching current	max. 100 mA
Test input	emitter deactivation
Ambient temperature	-30 ... 60 °C (-22 ... 140 °F)
Material	
Housing	PC (Polycarbonate)
Optical face	PMMA
Protection degree	IP67
Connection	2 m fixed cable



Model Number		M100/MV100-RT/35/76b/102/115	M100/MV100-RT/35/76a/103/115	M100/MV100-RT/76a/103/115	M100/MV100-RT/76b/102/115
Threshold detection range	15 m			●	●
	30 m	●	●		
Effective detection range	0 ... 10 m			●	●
	0 ... 20 m	●	●		
Signal output	1 NPN output, short-circuit protected, reverse polarity protected, open collector	●			●
	1 PNP output, short-circuit protected, reverse polarity protected, open collector		●	●	
Switching frequency	1000 Hz			●	●
	250 Hz	●	●		
Approvals and Certificates					
UL approval	cULus Listed, Class 2 Power Source, Type 1 enclosure	●	●	●	●
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]	20
Width W [mm]	11
Height H [mm]	31
Connector area l_c [mm]	0

Accessories

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

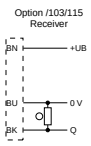
OMH-ML100-01	Mounting bracket
OMH-ML100-02	Mounting bracket
OMH-F10-ML100	Mounting aid for ML100 series

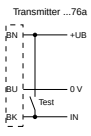
Electrical Connection

❍ = light on, ● = dark on

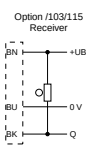


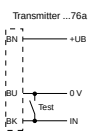
M100/MV100-RT/35/76a/103/115
M100/MV100-RT/76a/103/115





M100/MV100-RT/35/76b/102/115
M100/MV100-RT/76b/102/115





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