



# **Model Number**

### M100/MV100-RT/35/103/115/154

Thru-beam sensor with 2 m fixed cable

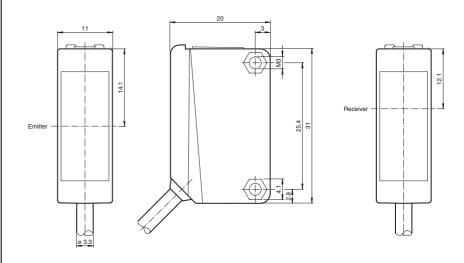
### **Features**

- No controls
- Miniature design
- Easy to use
- Very bright, highly visible light spot
- Full metal thread mounting
- Highly visible LEDs for Power ON and switching state
- Not sensitive to ambient light

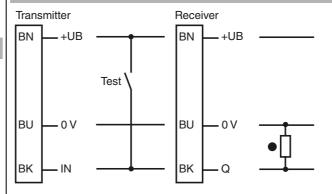
## **Product information**

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**

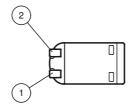


### **Electrical connection**



- O = Light on
- = Dark on

# Indicators/operating means



1	Signal display	yellow
2	Operating display	green

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Thru-beam se	nso

	M100-RT/35/76a/115
	MV100-RT/35/103/115/154
	0 20 m
	30 m
	LED
	modulated visible red light
	approx. 2 m at a distance of 30 m
	approx. 2 °
	frontal
	EN 60947-5-2
neters	•••
	860 a
	20 a
	0 %
	150
	LED green: power on
	Receiver: LED yellow, lights up when light beam is free, flashes when falling short of the stability control; OFF when light beam is interrupted
U <sub>B</sub>	10 30 V DC
	max. 10 %
I <sub>0</sub>	Emitter: ≤ 15 mA Receiver: ≤ 8 mA
	emitter deactivation at +U <sub>B</sub>
	dark on
	1 PNP output, short-circuit protected, reverse polarity protected open collector
	max. 30 V DC
	max. 100 mA
	≤ 1.5 V DC
T	250 Hz
	2 ms
	20.00.00 (20.00)
	-30 60 °C (-22 140 °F)
	-40 70 °C (-40 158 °F)
	IDOT
	IP67
	2 m fixed cable
	PC (Polycarbonate)
	PMMA
	approx. 100 g (emitter and receiver)
211/6	approx. 100 g (emitter and receiver)  0.6 Nm
.,,,	2 m
d directi	
u unecli	
	EN 60947-5-2:2007+A1:2012
	LIN 00071772.2001 TA 1.2012
	UL 60947-5-2
	02 000 TI 0 E
	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

### **Accessories**

### OMH-ML100-01

Mounting aid for ML100 series, Mounting bracket

### OMH-ML100-02

Mounting aid for ML100 series, Mounting bracket

#### OMH-ML100-04

Mounting aid for ML100 series, Mounting bracket

#### OMH-ML100-05

Mounting aid for ML100 series, Mounting bracket

### OMH-F10-ML100

Mounting aid for ML100 series

#### **OMH-10**

Mounting aid

#### OMH-ML100-03

Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm

#### OMH-ML100-S1

Mounting bracket

#### OMH-ML100-08

Mounting aid for ML100 series, Snap-in

Additional accessories can be found in the Internet.

**EPPERL+FUCHS** 

