



 ϵ



Model Number

MD17/MV17/136/143

Thru-beam sensor with 4-pin, M8 x 1 connector

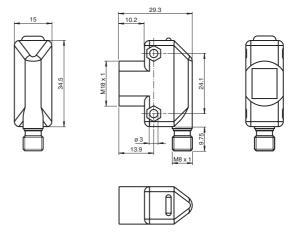
Features

- 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

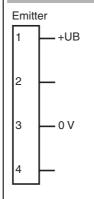
Product information

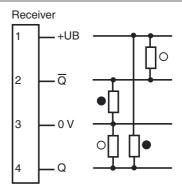
The ML17 sensor family offers diverse connection and installation options, which means that it can adapt to the most varied automation tasks. In addition to the usual fitting method using M4 screws, these sensors can also be installed by means of M18 threaded insert. All devices are equipped with a green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

Dimensions



Electrical connection



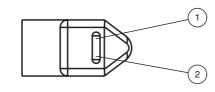


- O = Light on
- = Dark on

Pinout



Indicators/operating means



1	Signal display	yellow
2	Operating display	green

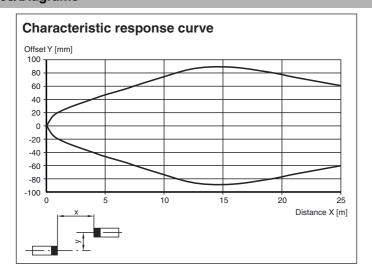
Technical data System components Emitter MD17/143 MV17/136/143 Receiver **General specifications** Effective detection range 0 15 m Threshold detection range 20 m Light source IRED modulated infrared light, 950 nm Light type Ambient light limit \leq 10000 Lux Indicators/operating means Operating display LED green Function display LED yellow, lights up with receiver lit **Electrical specifications** Operating voltage 10 ... 30 V DC , class 2 Ripple max. 10 % No-load supply current < 25 mA Operating current 100 mA max per output Time delay before availability ≤ 200 ms Output Switching type light/dark on 2 push-pull (4 in 1)outputs, short-circuit protected, reverse pola-Signal output rity protected, overvoltage protected Switching voltage max. 30 V DC Switching current max. 100 mA ≤ 2 V DC Voltage drop Switching frequency f 150 Hz Response time ≤ 3 ms **Ambient conditions** Ambient temperature -20 ... 55 °C (-4 ... 131 °F) -20 ... 75 °C (-4 ... 167 °F) Storage temperature Mechanical specifications Protection degree IP67 M8 x 1 connector, 4-pin Connection Material Housing ABS Optical face Acrylic Mass approx. 17 g (emitter and receiver) Compliance with standards and directives Standard conformity EN 60947-5-2:2007 Product standard IEC 60947-5-2:2007 EN 50178, UL 508 Standards

Curves/Diagrams

UL approval

CCC approval

Approvals and certificates



cULus

Accessories

OMH-ML17-EZ

Mounting bracket

OMH-ML17

Mounting bracket

OMH-ML17-1

Mounting bracket

V31-WM-2M-PUR

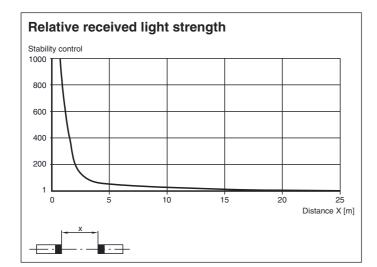
4-pin, M8 socket, PUR cable

V31-GM-2M-PUR

4-pin, M8 socket, PUR cable

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

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



Copyright Pepperl+Fuchs

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