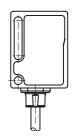
VISCO ECOLAB

Dimensions



Model Number

ML71-6/59/103/115

Retroreflective sensor with 2 m fixed cable

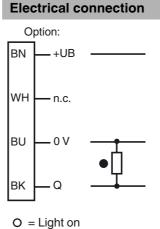
Features

CE

- Reliable sensor for standard applicati-• ons
- Miniature design with front optical ٠ face
- Automatic adjustment of sensitivity • via TEACH-IN
- Resistant against noise: reliable operation under all conditions
- Certified by ECOLAB ٠

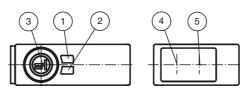
Product information

Small, robust, effective, and reliable - these are the properties of the ML7 sensor series. Due to their small size, number of versions, and two different lens positions, they are particularly suited for installation in tight spaces. The robust design and high quality of Pepperl+Fuchs mean they can also be used under harsh environmental conditions. The efficient technology, switching frequencies up to 1000 Hz, high resistance to ambient light, and 4-in-1 output make the series suitable for non-contact object detection.



= Dark on

Indicators/operating means



1	Operating display	green
2	Signal display	yellow
3	TEACH-IN button	
4	Emitter	
5	Receiver	



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

Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com

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



Ing short of the stability control Controls TEACH-IN key Electrical specifications TEACH-IN key Operating voltage UB 1030 V DC, class 2 Ripple max. 10 % No-load supply current I0 <20 mA Output adk on 1 Switching type dark on open collector Switching voltage max. 30 V DC open collector Switching voltage max. 30 V DC open collector Switching requency f 1000 Hz Switching frequency f 1000 Hz Response time 0.5 ms open collector Switching frequency f 1000 Hz Response time 0.5 ms open collector Ambient conditions -40 75 °C (-40 167 °F) Mechanical specifications mica cable Protection degree IP67 / IP69K Connection 2 m fixed cable Material mica cable Material mica cable Material product standard conformity Product standard EN 60947-5-2:2007 <	
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CCC approval CCC approval / marking not required for produ	CCC approval / marking not required for products rated \leq 36 V

OMH-ML7-01 Mounting bracket OMH-ML7-02 Mounting bracket OMH-ML7-03 Fixing plate

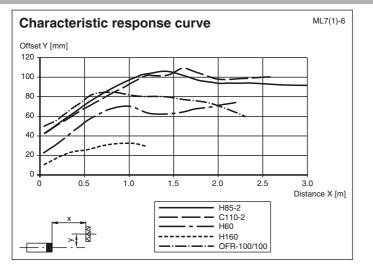
Accessories

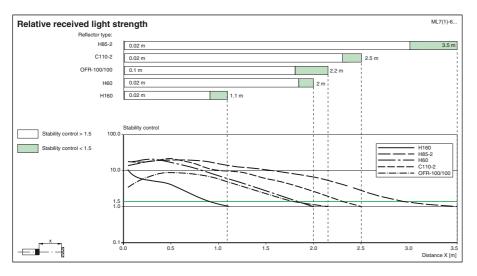
Suitable reflectors and cable sockets can be found in the Internet

www.pepperl-fuchs.com



Curves/Diagrams





Teach-In

Connect the sensor to operating voltage, the LED green lights up constantly. The sensor operates at max. sensitivity (delivery status) or with the last teached values.

Mount suitable reflector opposite light beam switch.

- Adjust the unit to the reflector.
- Press the Teach-In button as an acknowledgement the green LED will quickly turn off one time.
- Press the Teach-In button until both LEDs green and yellow are blinking in parallel (2Hz). Release the Teach-In button now.
- While the green and yellow LEDs are blinking alternating (2 Hz) the unit is in the internal set up procedure.
- Teach-In successful: Both LEDs green and yellow are on. The unit is ready to use and in switching mode now.
- Teach-In not successful: Both LEDs are flashing alternating (4 Hz) for approx. 5 seconds. Afterwards the sensor returns to max. sensitivity setting. Please retry the Teach-In procedure beginning by step 1.

