

Model Number

MLV12-8-H-250-RT-2963/115/128

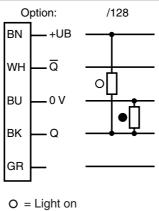
Background suppression sensor with fixed cable

Features

CE

- Not sensitive to ambient light, even with switched energy saving lamps
- Reliable detection of all surfaces, independent of color and structure
- Minimal black/white difference
- Ultra bright LEDs for power on and switching state
- Flashing power on LED in case of short-circuit
- Powerful push-pull output
- Multiple device installation possible, no mutual interference
- · Protection class II

Electrical connection



= Dark on

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



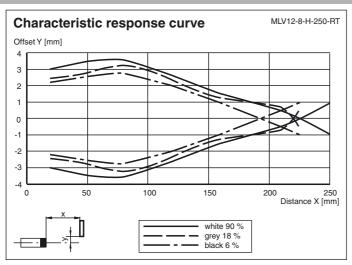
n white (90 %): 190 mm , fixed 0 mm ED hodulated visible red light , 660 nm 0 % at 190 mm mm at 190 mm .5 ° 0000 Lux 0000 Lux 000 Lux 50 a 0 a % ED green, flashes in case of short-circuit LEDs yellow N: object inside the scanning range DFF: object outside the scanning range
0 mm ED nodulated visible red light , 660 nm 0 % at 190 mm mm at 190 mm 5 ° 0000 Lux 000 Lux 000 Lux 50 a 0 a % ED green, flashes in case of short-circuit LEDs yellow N: object inside the scanning range
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N: object inside the scanning range
0 30 V DC
nax. 10 %
45 mA
ght/dark on
push-pull output, short-circuit protected, reverse polarity pro-
ected, 0.2 A / 30 V DC
nax. 30 V DC
nax. 0.2 A
2.5 V DC
000 Hz
.5 ms
40 60 °C (-40 140 °F)
40 75 °C (-40 167 °F)
P67
xed cable 1300 mm with 3-pin AMP connector
rame: nickel plated, die cast zinc, aterals: glass-fiber reinforced plastic PC 'lastic pane
0 g
3 9
N 60947-5-2:2007 EC 60947-5-2:2007
EC 60947-5-2:2007 EC / EN 60068. half-sine, 40 g in each X, Y and Z directions EC / EN 60068-2-6. Sinus. 10 -150 Hz, 5 g in each X, Y and Z
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EC 60947-5-2:2007 EC / EN 60068. half-sine, 40 g in each X, Y and Z directions EC / EN 60068-2-6. Sinus. 10 -150 Hz, 5 g in each X, Y and Z irections II, rated voltage ≤ 300 V AC with pollution degree 1-2 accor-

Subject to modifications without notice

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Curves/Diagrams



Additional information

Intended use:

The transmitter and receiver are located in the same housing for direct detection sensors with background masking. Marking of objects outside the detection range is achieved by arranging the angle between the transmitter and receiver (2 receiver elements).

Objects are detected independently of their surface structures, brightness and colour, as well as the brightness of the background.

Mounting instructions:

The sensors can be fastened directly with fixing screws or with a support bracket (not included with delivery).

The surface underneath must be flat to prevent the housing from moving when it is tightened into position. We recommend securing the nut and screw in place with spring washers to prevent the sensor from going out of adjustment.

Adjustment:

After the operating voltage is applied, the LED is lit green.

Align the sensor to the object. If the object is within the detection range, the yellow LED lights up.

Object motion direction:

For a rliable detektion, the objects motion direction must be either towards the sensor or away from it. In case of transversal motion, the motion direction must be transversal to the emitter/receiver orientation.

Maintenance:

We recommend cleaning the optical surface and checking the fixation/alignment and electrical connections at regular intervals.

