



Diffuse mode sensor

ML17-8-450/33/115/136-10M

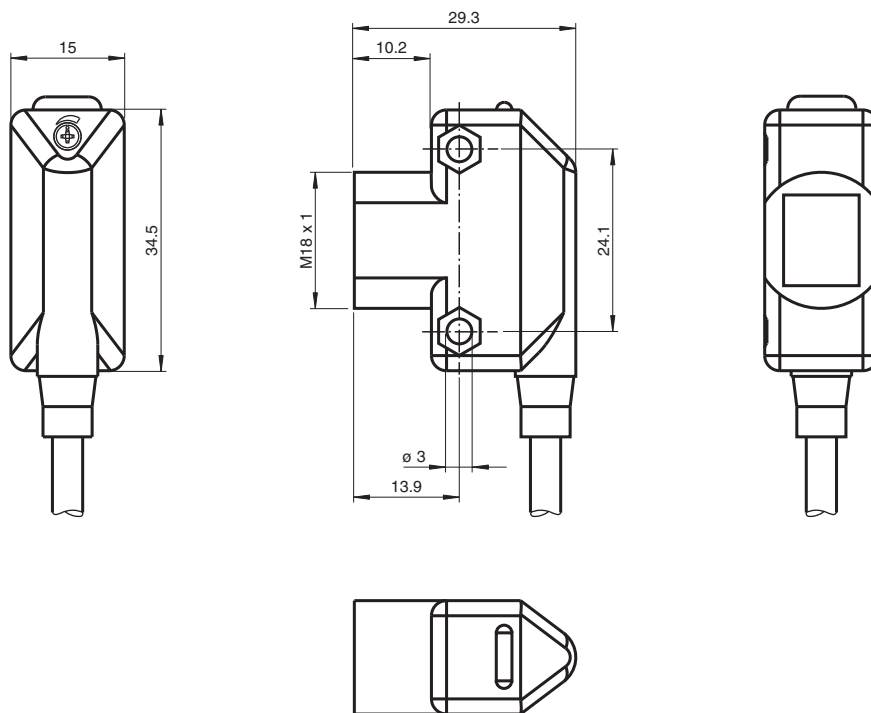


- Compact, versatile housing
- 360° high visibility LEDs
- Adjustable sensing range
- 4-in-1 output (push-pull)
- 10 m cable length

Diffuse mode sensor



Dimensions



Technical Data

General specifications

Detection range	10 ... 450 mm
Adjustment range	60 ... 450 mm
Reference target	standard white, 100 mm x 100 mm
Light source	IRED

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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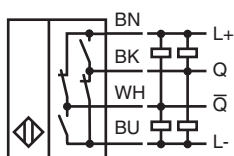
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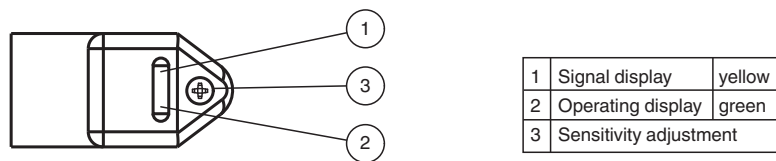
Technical Data

Light type	modulated infrared light , 950 nm	
Ambient light limit		≤ 10000 Lux
Indicators/operating means		
Operation indicator		LED green
Function indicator		LED yellow, lights up with receiver lit
Control elements		Sensing range adjuster
Electrical specifications		
Operating voltage	U_B	10 ... 30 V DC , class 2
Ripple		max. 10 %
No-load supply current	I_0	< 25 mA
Time delay before availability	t_v	≤ 200 ms
Output		
Switching type		light/dark on
Signal output		2 push-pull (4 in 1) outputs, short-circuit protected, reverse polarity protected, overvoltage protected
Switching voltage		max. 30 V DC
Switching current		max. 100 mA per output
Voltage drop	U_d	≤ 2.5 V DC
Switching frequency	f	500 Hz
Response time		≤ 1 ms
Conformity		
Product standard		EN 60947-5-2
Approvals and certificates		
UL approval		cULus
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-20 ... 55 °C (-4 ... 131 °F)
Storage temperature		-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications		
Housing width		15 mm
Housing height		34.5 mm
Degree of protection		IP67
Connection		10 m fixed cable
Material		
Housing		ABS
Optical face		Acrylic
Mass		approx. 190 g

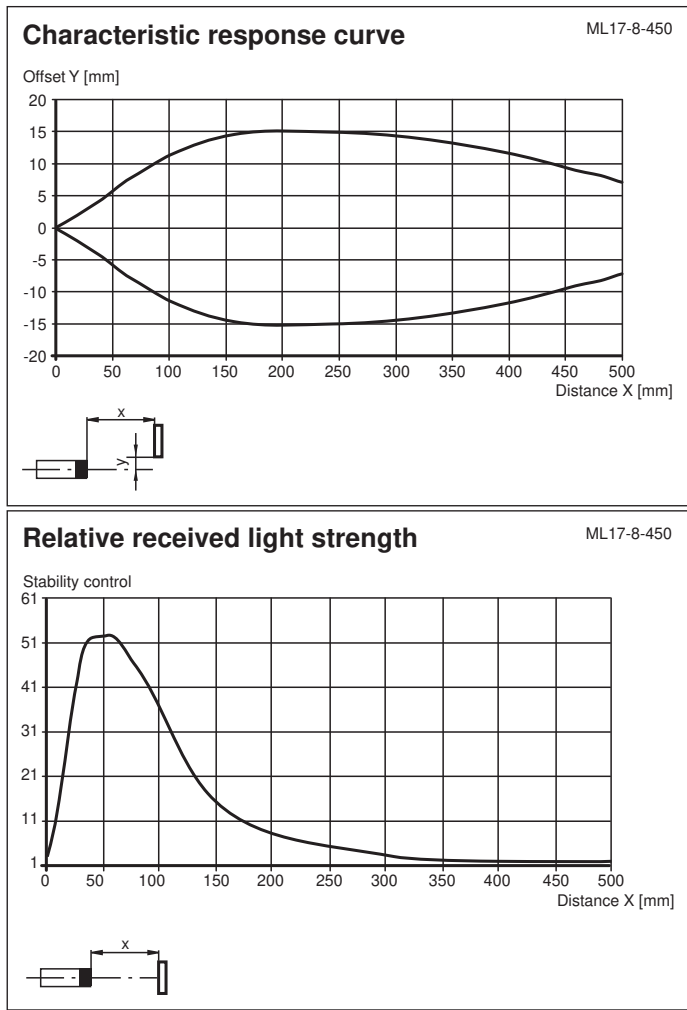
Connection



Assembly



Characteristic Curve



Accessories

	OMH-ML17	Mounting bracket
	OMH-ML17-1	Mounting bracket