

CE cUL US EAC UK
CA

[illegible]

General specifications

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

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

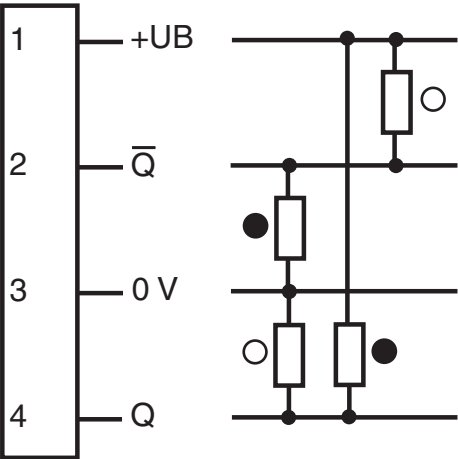
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com



Technical Data

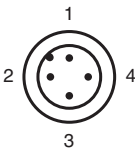
Light type		modulated infrared light , 950 nm
Ambient light limit		≤ 10000 Lux
Indicators/operating means		
Operation indicator		LED green
Function indicator		LED yellow, lights up with receiver lit
Control elements		Sensing range adjuster
Electrical specifications		
Operating voltage	U_B	10 ... 30 V 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		
EAC conformity		TR CU 020/2011
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		4-pin , M12 x 1 connector
Material		
Housing		ABS
Optical face		Acrylic
Mass		approx. 9 g

Connection



○ = Light on
● = Dark on

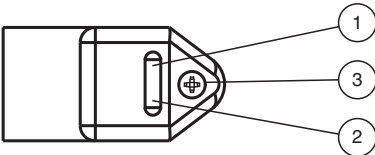
Connection Assignment



Wire colors in accordance with EN 60947-5-2

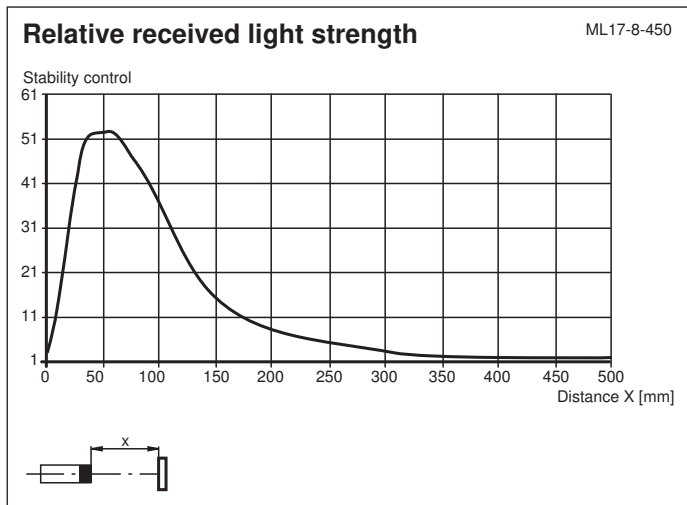
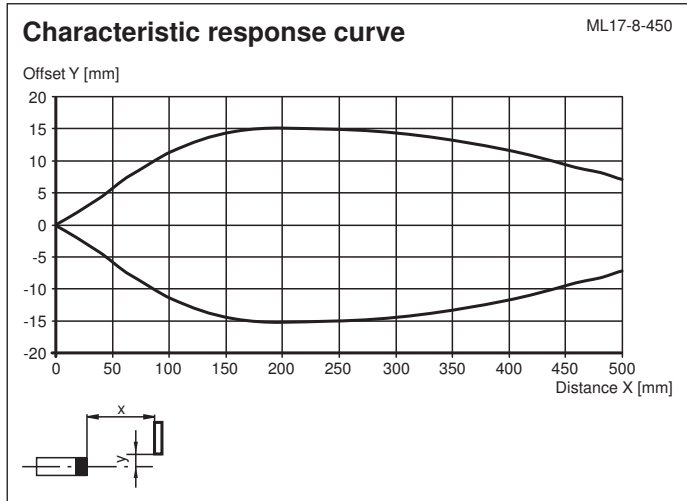
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Assembly



1	Signal display	yellow
2	Operating display	green
3	Sensitivity adjustment	

Characteristic Curve



Accessories

	OMH-ML17	Mounting bracket
	OMH-ML17-1	Mounting bracket
	V1-G-2M-PUR	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey
	V1-W-2M-PUR	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey

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