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CE

Model Number

ML100-55-3704

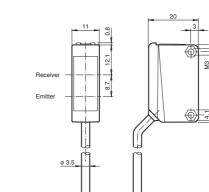
Retroreflective sensor with fixed cable and Stocko plug, 4-pin

Features

- No controls •
- Miniature design ٠
- Easy to use ٠
- Clearly visible LEDs for Power ON, ٠ switching state and stability control
- Very bright, highly visible light spot ٠
- Full metal thread mounting •
- Not sensitive to ambient light •

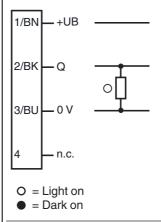
Product information

The ML100 series is characterized by its miniature housing with integral, all-metal threaded bushings. All versions are equipped with a visible red transmitter LED. This greatly simplifies installation and commissioning. The switching states are easily visible from all directions thanks to the highly visible LEDs.

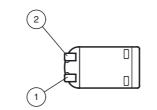


Electrical connection

Dimensions



Indicators/operating means



1	Signal display	yellow
2	Operating display	green

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Technical data General specifications

Output Switching type

Ambient conditions

Compliance with standard

ves

Ambient temperature Storage temperature **Mechanical specifications**

Electrical specifications Operating voltage

Functional safety related p

Diagnostic Coverage (DC) Indicators/operating mean

echnical data		Accessories		
eneral specifications			OMH-F10-ML100	
Effective detection range		0 5 m	Mounting aid for ML100 series	
Reflector distance		0.01 5 m		
Threshold detection range		7 m	OMH-ML100-01 Mounting bracket	
Reference target		H50 reflector		
Light source		LED		
Light type		modulated visible red light	OMH-ML100-02 Mounting bracket	
Diameter of the light spot		approx. 500 mm at a distance of 7 m		
Angle of divergence		approx. 4 °	•••••	
Optical face		frontal	OMH-ML100-03 Mounting aid for round steel ø 12 mm or	
Ambient light limit		EN 60947-5-2		
unctional safety related parar	neters		sheet 1.5 mm 3 mm	
MTTF _d		860 a	OMU MI 400.04	
Mission Time (T _M)		20 a	OMH-ML100-04	
Diagnostic Coverage (DC)		0 %	Mounting bracket	
dicators/operating means			OMH-ML100-05	
Operation indicator		LED green: power on		
Function indicator		LED yellow: lights up when receiving the light beam ; flashes	Mounting bracket OMH-10 Mounting aid	
		when falling short of the stability control; OFF when light beam is interrupted		
lectrical specifications			Would hing ald	
Operating voltage	UB	10 30 V DC , class 2	REF-H85-2	
Ripple		max. 10 %	Reflector, rectangular 84.5 mm x 84.5 mm, mounting holes	
No-load supply current	I ₀	< 20 mA		
utput				
Switching type		light on	REF-C110-2	
Signal output		1 PNP output, short-circuit protected, reverse polarity protected, open collector	Reflector, round ø 84 mm, central moun- ting hole	
Switching voltage		max. 30 V DC		
Switching current		max. 100 mA , resistive load	REF-H60-2	
Voltage drop	U _d	≤ 1.5 V DC	Reflector with mounting holes	
Switching frequency	f	1000 Hz		
Response time		0.5 ms	REF-H50	
mbient conditions			Reflector, rectangular 51 mm x 51 mm,	
Ambient temperature		-30 60 °C (-22 140 °F)	mounting holes, fixing strap	
Storage temperature		-40 70 °C (-40 158 °F)		
lechanical specifications			REF-H33	
Protection degree		IP67	Reflector with screw fixing	
Connection		fixed cable 265 mm with Stocko plug , 4-pin	OFR-70-2	
Material			Reflective tape 70 mm x 70 mm	
Housing		PC (Polycarbonate)	•	
Optical face		РММА	Other suitable accessories can be found at	
Mass		approx. 20 g	www.pepperl-fuchs.com	
Cable length		265 mm		
ompliance with standards an	d direct	i-		
Directive conformity				
EMC Directive 2004/108/EC		EN 60947-5-2		
Standard conformity				
Standards		UL 508		
Approvals and certificates				
UL approval		cULus Listed, Class 2 Power Source, Type 1 enclosure		
CCC approval		CCC approval / marking not required for products rated ≤36 V		
Approvals		CE, cULus Listed 57M3 (Only in association with UL Class 2		

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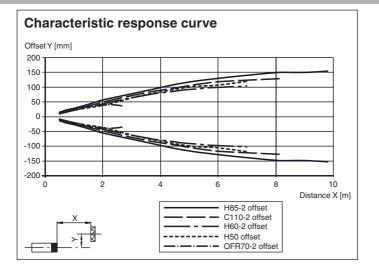
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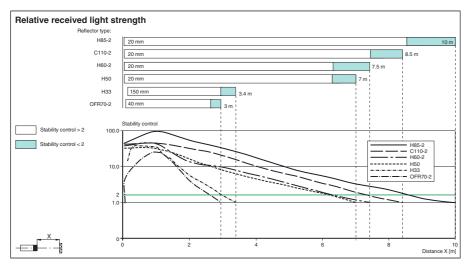
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PEPPERL+FUCHS

CE, cULus Listed 57M3 (Only in association with UL Class 2 power supply; Type 1 enclosure)

Curves/Diagrams





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