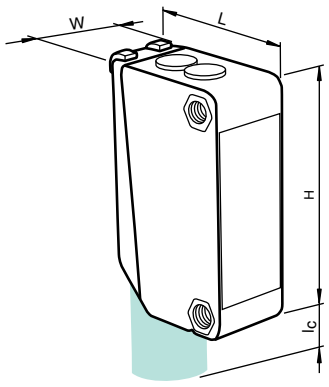


Properties

- Polarized type
- Rectangular miniature housing
- Plastic housing
- DC sensor
- Discrete output
- Cable, connector and pigtailed connector versions
- Visible red light

Your Benefit

- Simplest alignment and set-up with ultra-bright Power-Beam emitter LED
- Rugged housing has metal-reinforced mounting holes



Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Polarization filter	✔
Sensitivity adjustment	✔
Light/dark switch	✔
Threshold detection range	7 m
Effective detection range	0 ... 5 m
Reference target	H50 reflector
Light type	modulated visible red light
Optical face	frontal
Operating voltage	10 ... 30 V DC , class 2
No-load supply current	< 20 mA
Switching type	light/dark on, switchable
Switching current	max. 100 mA , resistive load
Switching frequency	1000 Hz
Ambient temperature	-30 ... 60 °C (-22 ... 140 °F)
Material	
Housing	PC (Polycarbonate)
Optical face	PMMA
Protection degree	IP67

Model Number		ML100-55/102/115	ML100-55/103/115	ML100-55/103/115a	ML100-55/103/115b	ML100-55/98/102	ML100-55/98/103	ML100-55/95/102	ML100-55/95/103
Signal output	1 NPN output, short-circuit protected, reverse polarity protected, open collector	●				●		●	
	1 PNP output, short-circuit protected, reverse polarity protected, open collector		●	●	●		●		●
Connection	2 m fixed cable	●	●						
	300 mm fixed cable with 4-pin, M12 x 1 connector				●				
	300 mm fixed cable with 4-pin, M8 x 1 connector			●					
	M8 x 1 connector, 3-pin					●	●		
	connector M8 x 1 , 4-pin							●	●

Approvals and Certificates									
UL approval	cULus Listed, Class 2 Power Source, Type 1 enclosure	●	●	●	●	●	●	●	●
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.								

Dimensions		
Length L [mm]	20	
Width W [mm]	11	
Height H [mm]	31	
Connector area l_c [mm]	0	10

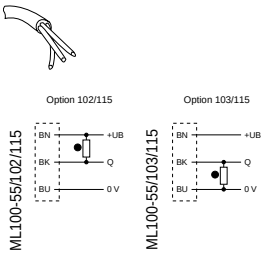
Accessories

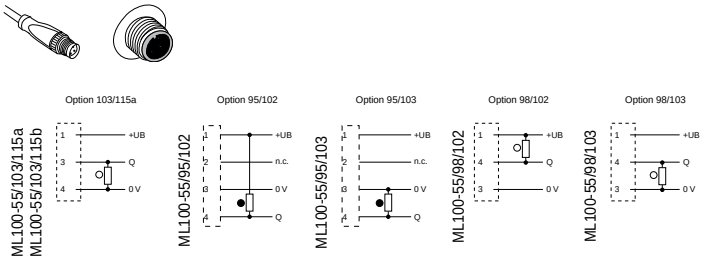
This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets See pages 1074 ... for mounting aids

OMH-F10-ML100	Mounting aid for ML100 series
OMH-ML100-01	Mounting bracket
OMH-ML100-02	Mounting bracket
OMH-ML100-03	Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm
REF-H85-2	Reflector, rectangular 84.5 mm x 84.5 mm, mounting holes
V3-GM-2M-PUR	Cable socket, M8, 3-pin, PUR cable
V31-GM-2M-PUR	Cable socket, M8, 4-pin, PUR cable

Electrical Connection

❍ = light on, ● = dark on







Wire colors in accordance with EN 60947-5-2

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

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Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
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