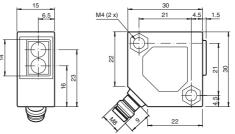
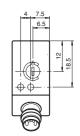
Thru-beam sensor









CE

Model Number

ML300-P-6m-RT/59/98/103

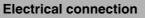
Thru-beam sensor with 3-pin, M8 x 1 connector

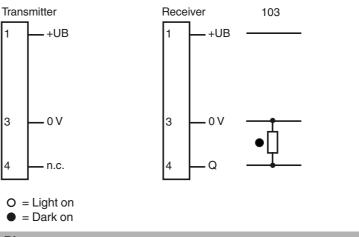
Features

- Miniature design ٠
- Easy to use •
- Visible red light •
- 45° connector •

Product information

The ML300 series has a robust miniature housing and all the standard functional principles. Of particular note are the sensors with analog output, which return a value proportional to the distance. The 45° plug/cable connection ensures flexible mounting. An LED indicates a weak signal, e.g. due to dirt.





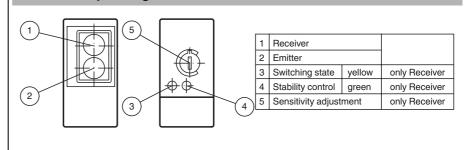
Wire colors in accor

BN BU BK

Pinout



Indicators/operating means



dance with EN 60947-5-2

(brown) (blue) (black)



Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group www.pepperl-fuchs.com

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Germany: +49 621 776 1111 fa-info@de.pepperl-fuchs.com

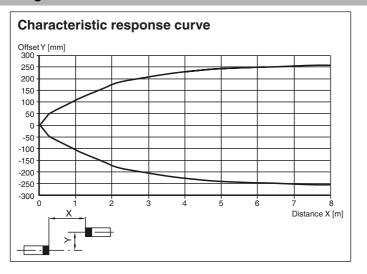
Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com

⁵ PEPPERL+FUCHS 1

Technical data		
System components		
Emitter		ML300-T-6m-BT/98
Receiver		ML300-R-6m-RT/59/98/103
General specifications		
Effective detection range		06m
Threshold detection range		8 m
Light source		LED
Light type		modulated visible red light 660 nm
Diameter of the light spot		approx. 500 mm at 6 m
Angle of divergence		approx. 5 °
Ambient light limit		
Continuous light		10000 Lux
Modulated light		5000 Lux
Indicators/operating means		
Control elements		sensitivity adjustment
Electrical specifications		
Operating voltage	UB	10 30 V DC
Ripple		max. 10 %
No-load supply current	I ₀	Emitter: ≤ 20 mA
		Receiver: ≤ 15 mA
Output		
Switching type		dark on
Signal output		1 PNP output, short-circuit protected, reverse polarity protected, open collector
Switching voltage		max. 30 V DC
Switching current		max. 0.1 A
Voltage drop	U _d	≤ 2 V DC
Switching frequency	f	1000 Hz 0.5 ms
Response time		0.5 ms
Conformity Product standard		EN 60947-5-2
		EN 00947-3-2
Ambient conditions		
Ambient temperature		-25 55 °C (-13 131 °F)
Mechanical specifications		00
Housing width		30 mm 30 mm
Housing height		15 mm
Housing depth Degree of protection		IP65
Connection		M8 x 1 connector, 3-pin
Material		No X 1 connector, 3-pin
Housing		ABS
Optical face		plastic
Connector		metal
Mass		35 g (emitter and receiver)
Compliance with standards and directives		
Standard conformity		
Shock and impact resistance		EN 60947-5-7 30 g, 11 ms, all axes
Vibration resistance		EN 60947-5-7, 10-55 Hz/1.5 mm amplitude, all axes
		,

Approvals and certificates CCC approval

Curves/Diagrams

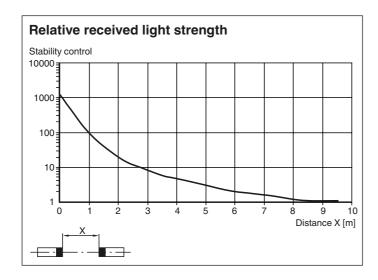


Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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CCC approval / marking not required for products rated \leq 36 V

Accesso	ries
OMH-ML3 Bracket fo sensors	8 00-01 r mounting ML300 series
	r mounting ML300 series n a 35 mm DIN rail
V3-GM-2N Female co PVC cable	rdset single-ended, M8, 3-pin,
V3-WM-2I Female co PVC cable	rdset single-ended, M8, 3-pin,
V3-WM-21 Female co PUR cable	rdset single-ended, M8, 3-pin,
	ble accessories can be found at rl-fuchs.com
www.peppe	n-tucns.com



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