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Model Number

ML300-P-12m-IR/76b/115/127

Thru-beam sensor with 2 m fixed cable

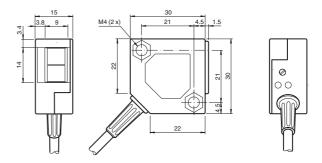
Features

- Miniature design
- Easy to use
- Infrared light
- High operating range
- 45° cable connector

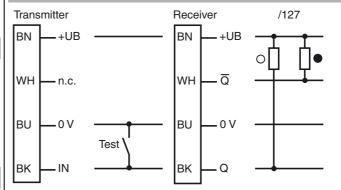
Product information

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.

Dimensions

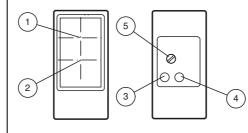


Electrical connection



- O = Light on
- = Dark on

Indicators/operating means



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1	Receiver		
2	Emitter		
3	Switching state	yellow	only Receiver
4	Stability control	green	only Receiver
5	Sensitivity adjustment		only Receiver

Technical data

	ML300-T-12m-IR/76b/115
	ML300-R-12m-IR/25/115/127
	0 12 m
	14 m
	IRED
	modulated infrared light 880 nm
	approx. 4 m at 12 m
	approx. 7 °
	10000 Lux
	5000 Lux
	LED yellow: lights up when output is active LED green: Sufficient stability control
	sensitivity adjustment
U_B	10 30 V DC
	max. 20 %
I ₀	Emitter: ≤ 15 mA Receiver: ≤ 10 mA
	emitter: 1 test input, not activated: < 4 V, activated: > 8 V or open
	light on / dark on
	2 NPN outputs, complementary, short-circuit proof, reverse- polarity protection, open collector
	max. 30 V DC
	max. 0.1 A
U_d	≤2 V DC
f	1000 Hz
	0.5 ms
	EN 60947-5-2
	-25 55 °C (-13 131 °F)
	30 mm
	30 mm
	15 mm
	IP67
	2 m fixed cable
	PBT
	glass pane
	PVC
	150 g (emitter and receiver)
	EN 60947-5-7 30 g, 11 ms, all axes
	EN 60947-5-7, 10-55 Hz/1.5 mm amplitude, all axes
	CCC approval / marking not required for products rated ≤36 V
	U _d f

Accessories

OMH-ML300-01

Bracket for mounting ML300 series sensors

OMH-ML300-02

Bracket for mounting ML300 series sensors on a 35 mm DIN rail

Other suitable accessories can be found at www.pepperl-fuchs.com

Curves/Diagrams

