OPT2178 Cut Sheet

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Wenglor photoelectric sensor, square, retroreflective, Class 1 red laser, 0.2–100m sensing distance, selectable light-on/dark-on, (2) PNP, pushbutton user interface with display, 5-wire, 5-pin M12 quick-disconnect.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/OPT2178

Technical Specifications

Brand	Wenglor
Item	Photoelectric sensor
Shape	Square
IP Rating	IP67 IP68
Application	Laser, measurement, long range, standard duty, dark and shiny and IO-Link
Housing Size	50 x 54 x 20mm
Housing Material	ABS plastic
Sensing Method	Retroreflective
Sensing Technology	Time of Flight technology
Operating Voltage	18–30 VDC
Switching Output	(2) PNP
Sensing Distance	0.2–100m
Operation Mode	Selectable light-on/dark-on

Switching Frequency	50 Hz
Light Emission	Class 1 red laser
IO-Link Compatible	Yes
Sensitivity	Yes
User Interface	Pushbutton user interface with display
Connection	5-pin M12 quick-disconnect
Number of Wires	5
Communication Port and Connection Type(s)	(1) 5-pin M12 A-coded (IO-Link) port(s)
Port Protocol(s)	IO-Link Class A Device
Port Speed(s)	IO-Link COM3
IO-Link Version	IO-Link v1.1.3
Includes	Mounting hardware
Additional Information	Purchase cable and reflector separately

Agency Approvals

UL Listed File #	E189727
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com/static/drawings/2d/OPT2178.pdf
See store item page for other formats.