

OPT2501 Cut Sheet



Wenglor photoelectric sensor, square, diffuse, Class 1 red laser, 30-80mm sensing distance, teach-in button, aluminum housing, 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/OPT2501>

Technical Specifications

Brand	Wenglor
Item	Photoelectric sensor
Shape	Square
Housing Size	50 x 50 x 20mm
IP Rating	IP67
Application	Laser, measurement, standard duty, analog output and IO-Link
Housing Material	Aluminum
Sensing Method	Diffuse
Sensing Technology	Triangulation
Sensor Type	Distance measuring
Operating Voltage	18-30 VDC
Number of Wires	5
Analog Output	4-20 mA
Sensing Distance	30-80mm

Sensitivity	Teach-in button
Measuring Rate	2500/s
Light Emission	Class 1 red laser
IO-Link Compatible	Yes
User Interface	Pushbutton user interface with display
Connection	5-pin M12 quick-disconnect
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
Standard I/O Mode Supported	Yes
Includes	Mounting hardware
Additional Information	Purchase cable separately

Agency Approvals

UL Listed File #	NRKH.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/OPT2501.pdf>
See store item page for other formats.