

Notice of Discontinuation

OCPS885

Laser Distance Sensor Triangulation



End-of-Life Notices

Discontinued product: OCPS885

Recommended Replacement Product: P1PC381

Discontinuation Date: 30.04.2027

Key Differences

In the successor model, the optical axis has been shifted.

On the successor product, the switching point can be readjusted via the control panel, all other functions can be set via NCF or IO-Link.

In the successor product, mounting is no longer done using slotted holes.

The successor product has an IO-Link interface instead of RS-232.

Below you will find a detailed product comparison:

	Discontinued Product OCPS885	Successor product P1PC381
Optical Data		
Range	660 mm	
Working Range		60...660 mm
Setting Range	60...660 mm	60...660 mm
Switching Hysteresis	< 1 %	< 1 %
Light Source	Laser (red)	Laser (red)
Wavelength	655 nm	655 nm
Service Life (T = +25 °C)	100000 h	100000 h
Laser Class (EN 60825-1)	1	1
Max. Ambient Light	10000 Lux	10000 Lux
Technical Specifications		
Supply Voltage	10...30 V DC	18...30 V DC
Current Consumption (U _b = 24 V)	< 50 mA	< 30 mA
Switching Frequency	100 Hz	650 Hz
Response Time	< 5 ms	< 0.77 ms
On-/Off-Delay (RS-232)	0...1 s	
Temperature Drift	< 50 µm/K	< 150 µm/K
Temperature Range	-25...60 °C	-25...60 °C
Number of Switching Outputs	2	1
Switching Output Voltage Drop	< 1.5 V	< 1.5 V
Switching Output/Switching Current	200 mA	100 mA
Short Circuit Protection	yes	yes
Reverse Polarity Protection	yes	yes
Overload Protection		yes
Teach Mode	HT, VT, FT, TP	
Interface	RS-232 with adapter box	IO-Link NFC
Protection Class	III	III

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FDA Accession Number		2512215-000
Mechanical Data		
Setting Method	Teach-In	Teach-In NFC
Housing Material	Plastic, ABS Plastic, PC	Plastic, ABS
Optic Cover	Plastic, PMMA	Plastic, PMMA
Degree of Protection	IP67	IP67 IP68
Connection	M12 × 1; 4-pin	M12 × 1; 5-pin
General Specifications		
Scope of delivery	1 × initial start-up instructions 1 × sensor	1 × Z1PE002 mounting set 1 × initial start-up instructions 1 × sensor
Output Functions		
Output	PNP Error Output	PNP
Circuit	NC	NC+NO
Adjustable Parameters		
Output	Error Output Push-pull NPN PNP	Error Output Push-pull NPN PNP
Circuit	NC NC/NO NO	NC NO NC+NO
Other parameters	Off-delay On-delay	Exposure time Laser light Switching hysteresis Teach-in mode Off-delay On-delay

light spot diameter

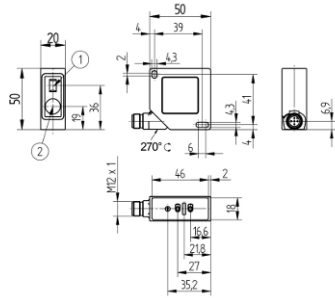
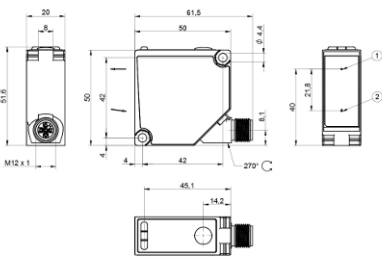
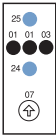
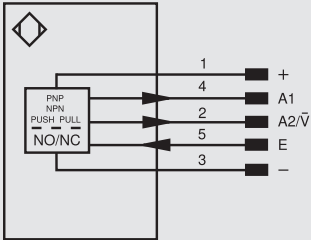
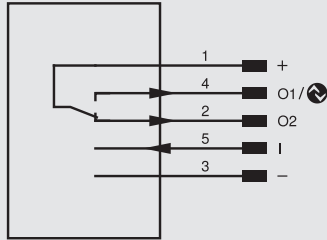
OCPS885

Detection Range	60 mm	-	660 mm
Spot Size	0,5 × 1,2 mm	-	2 × 5,5 mm

P1PC381

Working Distance	60 mm	360 mm	660 mm
Spot Size	1,5 × 3,5 mm	1,3 × 5 mm	1,2 × 7 mm

Product Images/Technical Drawings/Connection Diagrams/Certifications

	Discontinued Product OCPS885	Successor Product P1PC381
Product Image		
Dimensioned image	 ① Transmitter Diode ② Receiver Diode Screw M4 = 0.5 Nm	 ① Transmitter Diode ② Receiver Diode Screw M4 = 0.5 Nm
control panel	P8  24 = Plus Button 25 = Minus Button 07 = Selector Switch 03 = Error Indicator 01 = Switching Status Indicator	X14  06 = Teach Button 5a = Switching Status Indicator, O1 68 = Power LED 6a = Switching Status Indicator, O2
connection diagram	779 	 1 = Supply voltage + 2 = Switching output O2, PNP, antivalent 3 = Supply voltage 0 V 4 = Switching output O1, IO-Link, PNP, NO 5 = Input, active-high

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Approvals		 RoHS		 RoHS
		UK CA		UK CA
				
				