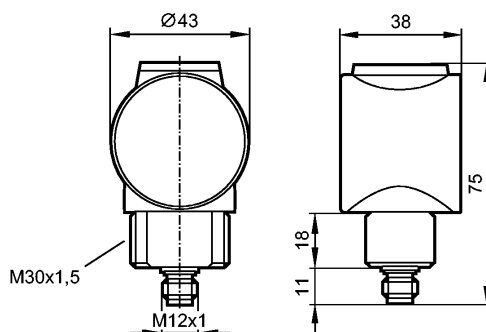


OIH580

OIH-HPKG/US/800MM

Photoelectric sensors



Made in USA

Product characteristics

Diffuse reflection sensor

Connector

Background suppression

Range 50...800mm (+/- 4.0%; referring to white or black paper 200 x 200 mm)

adjustable

Electrical data

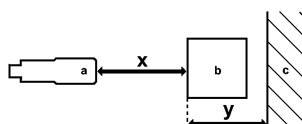
Electrical design	DC PNP
Operating voltage [V]	10...30 DC; "supply class 2" to cULus.
Current consumption [mA]	35
Type of light	red light 625 nm
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	light-on mode
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	300

Range

Range [mm]	50...800 (+/- 4.0%; referring to white or black paper 200 x 200 mm)
Light spot diameter [mm]	55 (at maximum range)

Accuracy graph


a: sensor

b: object

c: background

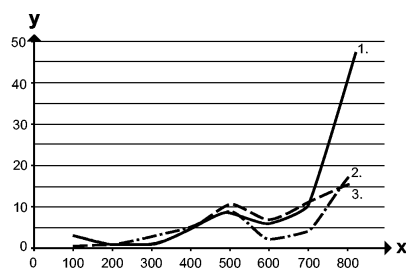
x: distance sensor / object

y: min. distance object / background

OIH580

OIH-HPKG/US/800MM

Photoelectric sensors



Values in [mm]

1 = object black (6 % remission), background white (90 % remission)

2 = object grey (18 % remission), background white (90 % remission)

3 = object white (90 % remission), background white (90 % remission)

Environment

Ambient temperature	[°C]	-25...60
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
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Mechanical data

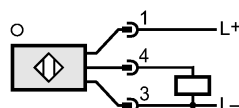
Housing materials		Zinc Alloy nickel-plated
Lens material		PMMA

Displays / operating elements

Output status indication	LED	yellow
Operation	LED	green

Electrical connection

Connection		M12 connector
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Wiring

Accessories

Accessories (included)		1 lock nut
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Remarks

Pack quantity	[piece]	1
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