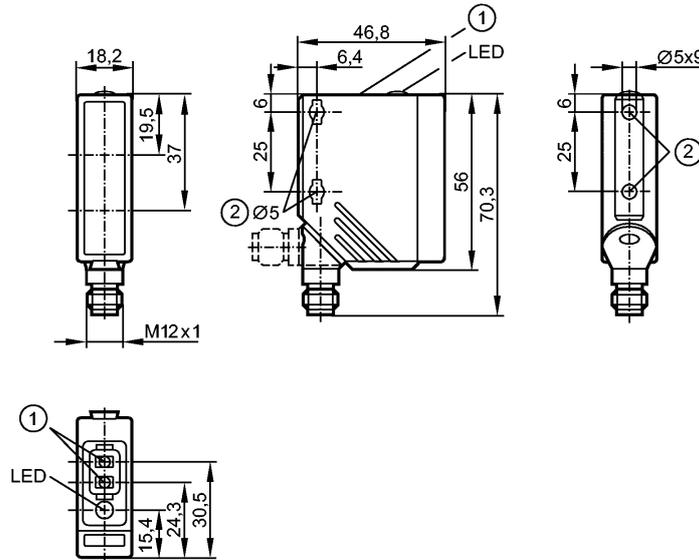


O5H501

O5H-FPKG/US100

Photoelectric sensors



- 1: Programming buttons
- 2: When a M5 mounting screw is used, the max. tightening torque is 2 Nm.

Receiver in upper lens, transmitter in lower lens

Made in Germany



Product characteristics

Diffuse reflection sensor
Rectangular, plastics
Connector
Background suppression
Teach function
Electronic lock
Range 60...700mm (Range referred to white paper 200 x 200 mm, 90 % remission)
adjustable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC 1)
Current consumption [mA]	30
Type of light	Red light 624 nm
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	light-on / dark-on programmable
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	1000

Range

Range [mm]	
Range [mm]	60...700 (Range referred to white paper 200 x 200 mm, 90 % remission)
- Object white (90 % remission)	60...700

O5H501

O5H-FPKG/US100

Photoelectric sensors

- Object grey (18 % remission)	60...370
- Object black (6 % remission)	60...210
Light spot diameter [mm]	35 (at maximum range)

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

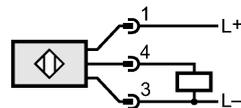
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	360

Mechanical data	
Housing materials	housing: PA; bezel: high-grade stainless steel; operator interface: TPU
Lens material	PMMA
Weight [kg]	0.067

Displays / operating elements	
Output status indication LED	yellow

Electrical connection	
Connection	M12 connector

Wiring



Remarks	
Remarks	1) cULus - Class 2 source required
Pack quantity [piece]	1

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