

transmitter in lower lens, Receiver in upper lens



Product characteristics

Diffuse reflection sensor

Cube

Connector

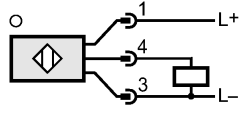
Background suppression

Range 200mm (Range referred to white paper 200 x 200 mm, 90 % remission)

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	30
Type of light	Red light 624 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]	1000
Range	
Range [mm]	
Range [mm]	200 (Range referred to white paper 200 x 200 mm, 90 % remission)
- Object white (90 % remission)	200
- Object grey (18 % remission)	200
- Object black (6 % remission)	190
Light spot diameter [mm]	13 (at maximum range)
Environment	
Ambient temperature [°C]	-25...60
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	368
Mechanical data	
Housing materials	Zinc Alloy; PEI
Lens material	PEI
Weight [kg]	0.06
Displays / operating elements	
Output status indication LED	yellow

OGH281 - Diffuse reflection sensor - eclass: 27270904 / 27-27-09-04

Operation	LED	green
Electrical connection		
Connection		M12 connector
Wiring 21 34  		
Accessories		
Accessories (included)		1 lock nut
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity	[piece]	1