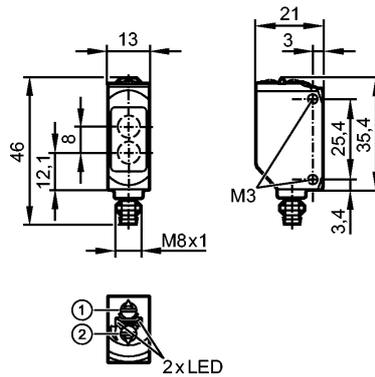


O6H202

O6H-FPKG/AS/3P

Photoelectric sensors



- 1: output function switch
- 2: potentiometer sensitivity

Empfänger in oberer Optik
Sender in unterer Optik



Product characteristics

Diffuse reflection sensor
Rectangular, plastics
Quick disconnect
adjustable
Background suppression
Range 2...200mm (referred to white paper 200 x 200 mm)

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	22 (24 V)
Type of light	red light 633 nm
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	light-on/dark-on mode selectable
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Switching frequency [Hz]	1000

Monitoring range

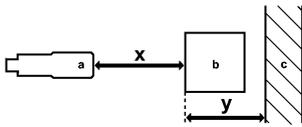
Range [mm]	
Range [mm]	2...200 (referred to white paper 200 x 200 mm)
- Object white (90 % remission)	2...200
- Object grey (18 % remission)	4...200
- Object black (6 % remission)	8...200
Light spot diameter [mm]	8 (at maximum range)

Background suppression chart

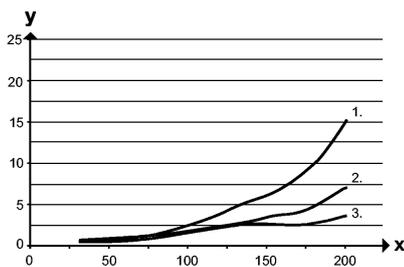
O6H202

O6H-FPKG/AS/3P

Photoelectric sensors



- a: sensor
- b: object
- c: background
- x: distance sensor / object
- y: min. distance object / background



Values in [mm]

- 1 = object black (6 % remission), background white (90 % remission)
- 2 = object gray (18 % remission), background white (90 % remission)
- 3 = object white (90 % remission), background white (90 % remission)

Environment	
Ambient temperature	[°C] -25...60
Protection	IP 65 / IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF	[Years] 683
UL approval number	E001
Mechanical data	
Housing materials	housing: ABS; PPSU; connector thread: brass coated; sealing: EPDM
Lens material	PMMA
Weight	[kg] 0.019
Tightening torque [Nm]	0.5
Displays / operating elements	
Output status indication	LED yellow
Power	LED green
Electrical connection	
Connection	M8 connector
Wiring	
Remarks	
Remarks	cULus - Class 2 source required
Pack quantity	[piece] 1



O6H202

O6H-FPKG/AS/3P

Photoelectric sensors