



Retro-reflective sensor

OJP-FNKG/FO/AS



1 pushbutton



Application

Function principle

Retro-reflective sensor

Electrical data

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 22

Protection class

III

Reverse polarity protection

yes

Type of light

red light

Wave length [nm]

660



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Outputs		
Electrical design	NPN	
Output function	light-on/dark-on mode; (programmable)	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	2000	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Range referred to prismatic reflector [m]	0...2; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Max. light spot diameter [mm]	64	
Light spot dimensions refer to	at maximum range	
Polarisation filter available	yes	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	911	
Mechanical data		
Weight [g]	42	
Housing	rectangular	
Dimensions [mm]	35 x 24 x 11	
Materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS	
Lens material	glass	
Lens alignment	front lens	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red
Electronic lock	yes	
Accessories		
Accessories (supplied)	Basic clip: 1 x, E20964	
	screws: 2 x x M3 x 16	
	spring washers: 2 x	
	Nuts: 2 x	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	

OJ5005



Retro-reflective sensor

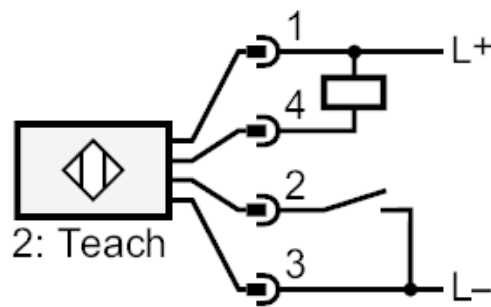
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Electrical connection

Connector: 1 x M8



Connection





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Diagrams and graphs

excess gain graph

