

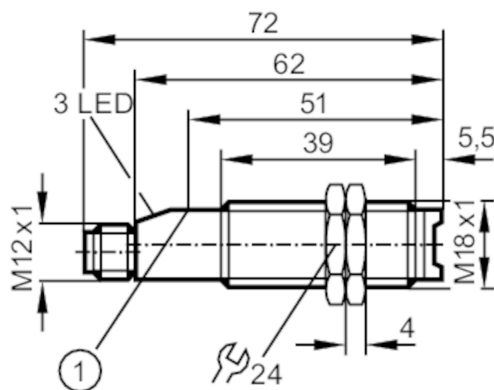
Retro-reflective sensor

OGPLFPKG/B6/V4A/US-100

Article no longer available - archive entry

Alternative articles: OGP700

When selecting an alternative article and accessories please note that technical data may differ!



1 pushbutton

Product characteristics

Type of light	red light
Laser protection class	2
Housing	threaded type

Application

Special feature	Gold-plated contacts
Function principle	Retro-reflective sensor

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 30; (operation; \$Einstellung: < 50 mA)
Protection class	II
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	675
Typ. lifetime [h]	50000

Outputs

Electrical design	PNP
Output function	light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC [V]	2.5
Max. voltage drop of function check output [V]	3.5
Max. current load for function check output [mA]	10
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	500
Short-circuit protection	yes



Retro-reflective sensor

OGPLFPKG/B6/V4A/US-100

Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Range [m]	0.2...13; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Diameter of the smallest detectable object [mm]	3	
Max. light spot diameter [mm]	25	
Light spot dimensions refer to	at maximum range	
Operating conditions		
Ambient temperature [°C]	-10...50	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Laser protection class	2	
Notes on laser protection	Caution:	laser light
	pulse performance:	<= 2,2 mW
	Wave length:	675 nm
	frequency:	2,2 kHz
	Pulse length:	24 µs
	Do not stare into beam.	
	Avoid exposure to the laser light.	
	laser class:	2
	EN 60825-1	
Mechanical data		
Housing	threaded type	
Dimensions [mm]	M18 x 1 / L = 72	
Thread designation	M18 x 1	
Materials	stainless steel (316L/1.4404); PBT	
Lens material	PMMA	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

Retro-reflective sensor

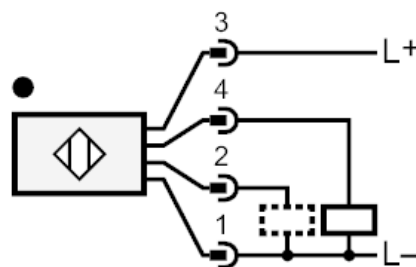
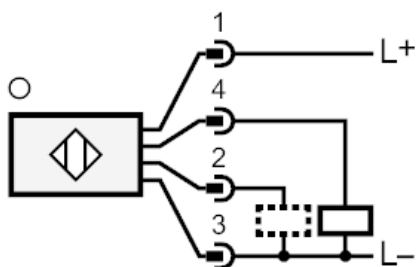
OGPLFPKG/B6/V4A/US-100

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection



2 Function check output



Retro-reflective sensor

OGPLFPKG/B6/V4A/US-100

Diagrams and graphs

excess gain graph

