

1: Programming buttons



Product characteristics

Retro-reflective sensor

Threaded type

M18 x 1

Quick disconnect

Polarization filter

Sensing range 0.03...5m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

20

Type of light

red light 624 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable via pushbutton

Factory setting

dark-on mode

Voltage drop [V]

< 2.5

Current rating [mA]

150; 200 (...60 °C)

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

Monitoring range

Sensing range [m]

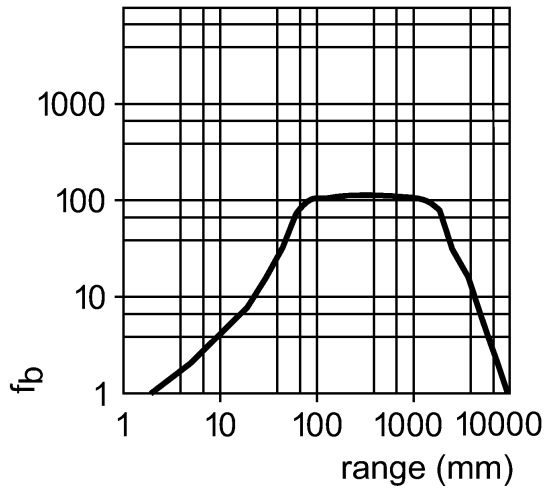
0.03...5 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

200 (at maximum range)

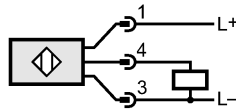
Excess gain graphs

OGP500 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	431
Mechanical data	
Housing materials	stainless steel 316L / 1.4404; PA; LCP; EPDM; TPU (urethane)
Lens material	PMMA
Weight [kg]	0.063
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	M12 connector

Wiring



Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	cULus - Class 2 source required
Pack quantity [piece]	1