

1: pushbutton



Product characteristics

- Retro-reflective sensor
- Rectangular, plastics
- Quick disconnect
- Electronic lock
- Retro-reflective LASER sensor
- Polarization filter
- Laser protection class 1
- External teach function
- Side sensing
- Sensing range 8m (Prismatic reflector 50 x 50 mm (E20722)) adjustable

Electrical data

Electrical design

DC PNP

Operating voltage	[V]
Current consumption	[mA]
Type of light	
Life expectancy typ.	[h]
Protection class	
Reverse polarity protection	

10...30 DC
< 15
red light 650 nm
50000
III
yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop	[V]
Current rating	[mA]
Short-circuit protection	
Overload protection	
Switching frequency	[Hz]

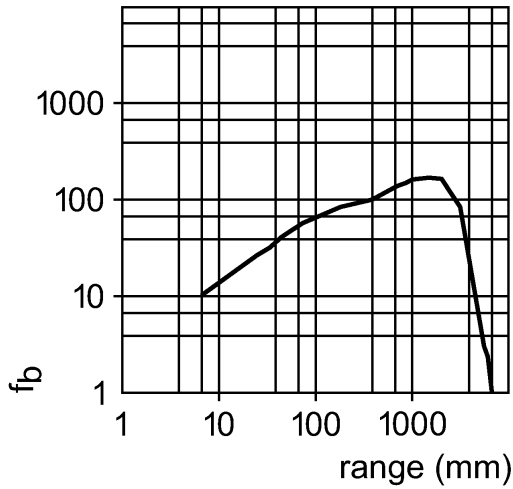
< 2.5
200
yes (non-latching)
yes
2000

Monitoring range

Sensing range	[m]
Smallest detectable object	[mm]
Light spot diameter	[mm]

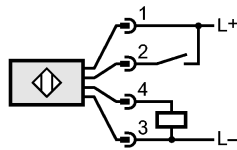
8 (Prismatic reflector 50 x 50 mm (E20722))
Ø 2.5mm (0.1m) Ø 4mm (2.5m) Ø 8mm (5m)
< 12 (at maximum range)

Excess gain graphs



Environment		
Ambient temperature	[°C]	-10...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	697
Mechanical data		
Housing materials		housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material		glass
Weight	[kg]	0.045
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Function display	LED	red
Electrical connection		
Connection		M8 connector

Wiring



2: Teach

Accessories	
Accessories (included)	Basic clip; E20964; 2 mounting screws; M3 x 16; 2 spring washers; 2 nuts
Remarks	
Remarks	Laser light CLASS 1 LASER PRODUCT IEC 60825-1 : 2007 complies with 21 CFR 1040.10 except for deviations pursuant to Laser Notice No. 50, dated June 2007 cULus - Class 2 source required
Pack quantity	[piece] 1