

1: pushbutton



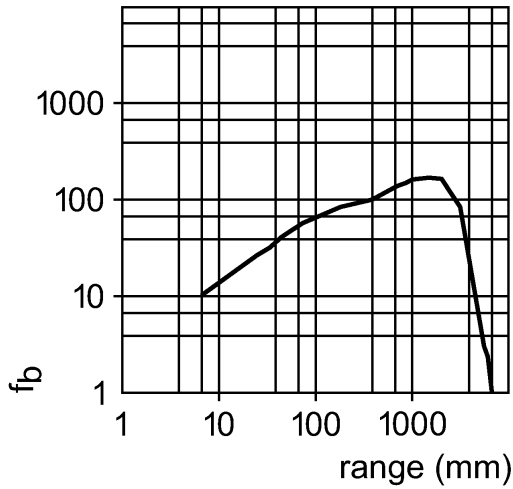
Product characteristics

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

Electrical data

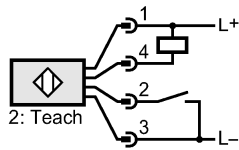
Electrical design	DC NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 15
Type of light	red light 650 nm
Life expectancy typ. [h]	50000
Protection class	III
Reverse polarity protection	yes
Outputs	
Output function	light-on / dark-on programmable
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	2000
Monitoring range	
Sensing range [m]	8 (Prismatic reflector 50 x 50 mm (E20722))
Smallest detectable object [mm]	Ø 2.5mm (0.1m) Ø 4mm (2.5m) Ø 8mm (5m)
Light spot diameter [mm]	< 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]	725
Mechanical data	
Housing materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material	glass
Weight [kg]	0.059
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Function display LED	red
Electrical connection	
Connection	M8 connector

Wiring



Accessories	
Accessories (included)	Basic clip; E20964; 2 mounting screws; M3 x 16; 2 spring washers; 2 nuts
Remarks	
Remarks	<p>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</p>
Pack quantity [piece]	1