

1: pushbutton



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Cable

Polarization filter

Electronic lock

External teach function

Side sensing

Sensing range 0...2m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 22

Type of light

red light 660 nm

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]

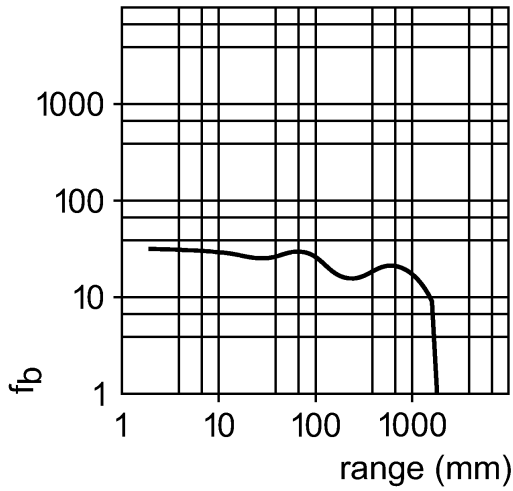
0...2 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

64 (at maximum range)

Excess gain graphs

OJ5028 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02

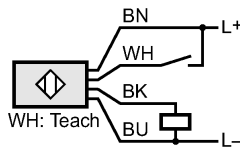


| | | |
|-------------------------------|---------|---|
| Environment | | |
| Ambient temperature | [°C] | -25...60 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| MTTF | [Years] | 854 |
| Mechanical data | | |
| Housing materials | | housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS |
| Lens material | | glass |
| Weight | [kg] | 0.073 |
| Displays / operating elements | | |
| Output status indication | LED | yellow |
| Power | LED | green |
| Function display | LED | red |
| Electrical connection | | |
| Connection | | PVC cable / 2 m; 4 x 0.14 mm ² |

Wiring

Core colors

- BK black
- BN brown
- BU blue
- WH white



| | | |
|------------------------|---------|--|
| Accessories | | |
| Accessories (included) | | Basic clip; E20964; 2 mounting screws; M3 x 16; 2 spring washers; 2 nuts |
| Remarks | | |
| Remarks | | cULus - Class 2 source required |
| Pack quantity | [piece] | 1 |