

1: pushbutton



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Glass and film detection

Polarization filter

Electronic lock

External teach function

Front sensing

Sensing range 0.2...1.5m (Prismatic reflector 50 x 50 mm (E20722))

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...1.5 (Prismatic reflector 50 x 50 mm (E20722))

Range referred to prismatic reflector[m]

E20722 0.2...1.5

E20991 0.15...0.4

E20992 0.15...0.3

Light spot diameter [mm]

64 (at maximum range)

Environment

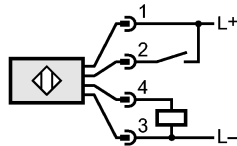
Ambient temperature [°C]

0...60

OJ5185 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02

| | |
|-------------------------------|--|
| Protection | IP 67 |
| Tests / approvals | |
| EMC | EN 60947-5-2 |
| MTTF [Years] | 867 |
| Mechanical data | |
| Housing materials | housing: ABS; LED window: SEPS; pushbutton: SEPS |
| Lens material | glass |
| Weight [kg] | 0.035 |
| 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) | 2 mounting screws; 2 spring washers; 2 nuts |
| Remarks | |
| Remarks | cULus - Class 2 source required |
| Pack quantity [piece] | 1 |