

1: selection switch, pot's (under cover)

Receiver in upper lens, transmitter in lower lens



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Terminals

Function check output

Sensing range 0.25...10m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 50

Type of light

Infrared light 880 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Current rating

- Switching output [mA]

250

- dual output mode [mA]

100

- Function check output [mA]

10

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

300

Monitoring range

Sensing range [m]

0.25...10 (Prismatic reflector Ø 80 (E20005))

Range referred to prismatic reflector[m]

Ø 80 0.25...10

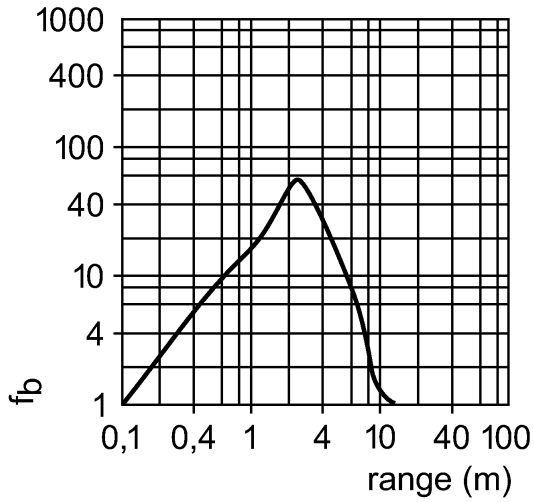
Ø 40 0.25...7

Ø 22 0.25...5

Light spot diameter [mm]

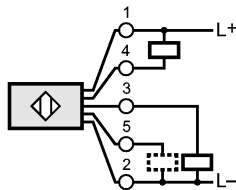
350 (at maximum range)

Excess gain graphs



| | |
|-------------------------------|---|
| Environment | |
| Ambient temperature [°C] | -25...60 |
| Protection | IP 65 |
| Tests / approvals | |
| EMC | EN 60947-5-2 EN 55011: class B |
| MTTF [Years] | 402 |
| Mechanical data | |
| Housing materials | modified PPO |
| Lens material | PMMA |
| Weight [kg] | 0.286 |
| Displays / operating elements | |
| Output status indication LED | yellow |
| Power LED | green |
| Function display LED | red |
| Electrical connection | |
| Connection | terminals up to 1.5 mm ² ; cable diameter 4.5...10 mm, cable gland M16 x 1.5 |

Wiring



5: function check

| | |
|------------------------|------------------------------------|
| Accessories | |
| Accessories (included) | Angle bracket; E20514; screwdriver |
| Remarks | |
| Pack quantity [piece] | 1 |