



COMPLETE LINE OF AMPLIFIED SUBMINIATURE PHOTOELECTRIC SENSORS

- 15 mm, 20 mm, 30 mm and 50 mm fixed focus proximity
- 1,5 m retroflective and 1 m polarized retroflective
- 2 m through beam models
- Amplified NPN or PNP output with NO-NC output

Detection properties

| | |
|--------------------------|-------|
| Nominal sensing distance | 170mm |
| Sensitivity adjustment | n/a |

Application

| | |
|--------------------|------------------------|
| Function Principle | Fix focus beam |
| Description | Subminiature flat case |
| Optic position | Radial 90° |
| Functions | Fix focus beam |

Outputs

| | |
|---------------------|---------|
| Output type | NPN Lon |
| Output Function | Lon |
| Switching frequency | 590Hz |
| Response time | 1ms |

Electrical data

| | |
|--------------------------|------------------------|
| Operating Voltage | 10...30VDC |
| No-Load supply current | ≤ 20mA |
| Load current | ≤50mA |
| Output voltage drop | ≤1,25V@Iload=50mA |
| LED indicators | Yellow (output status) |
| Short-circuit protection | YES |

| | |
|----------------------------------|---|
| Reverse Polarity Protection | Yes |
| Emission | LED Red (640nm) |
| Interference to external light | according to EN 60947-5-2 : 2020 |
| Impulsive Overvoltage Protection | Yes |
| Insulation resistance | >20 M Ω 500 Vdc, between electronics and housing |
| Contact resistance | 500 Vac 1 min., between electronics and housing |

Mechanical data

| | |
|----------------------|--------------------|
| Dimensions | 12x25x4 |
| Housing Material | Plastic ABS / PMMA |
| Connections | 2m cable |
| Active Head Material | PMMA |
| Storage temperature | - 35°C...+75°C |
| Material | |
| Diameter/Dimension | Cubic |

Test/Approvals

| | |
|-----------------------|--|
| Approvals | CE cULus |
| Shocks and vibrations | 0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6) |

Generical Data

| | |
|-----------------------|-----------------|
| Dimensions | 12x25x4 |
| Operating Temperature | - 20°C...+ 55°C |
| Mechanical Protection | IP67 |

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