

Small



**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 retroflect
- 2 m through beam models
- Amplified NPN or PNP output with NO-NC out

**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)

Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 MΩ 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