



COMPLETE LINE OF AMPLIFIED SUBMINIATURE PHOTOELECTRIC SENSORS

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

Detection properties

Nominal sensing distance	1,2m
Sensitivity adjustment	n/a

Application

Function Principle	Through beam emitter and receiver
Description	Subminiature flat case
Optic position	Radial 90°
Functions	Through beam emitter and receiver

Outputs

Output type	NPN Don
Output Function	Don
Switching frequency	385Hz
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	Green (powerON) 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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