



## Small

95B000060

SM-PR-2-A00-PP

COMPLETE LINE OF AMPLIFIED SUBMINIATURE  
PHOTOELECTRIC SENSORS

## OVERVIEW

- 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

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	1,5m
--------------------------	------

Sensitivity adjustment	n/a
------------------------	-----

### Application

Function Principle	Retroreflective
--------------------	-----------------

Description	Subminiature slim case
-------------	------------------------

Optic position	Radial 90°
----------------	------------

Functions	Retroreflective
-----------	-----------------

## Outputs

Output type	PNP NO+NC
Output Function	NO+NC
Switching frequency	590Hz
Response time	0,7ms

## Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 20\text{mA}$
Load current	$\leq 50\text{mA}$
Output voltage drop	$\leq 1,45\text{V}@I_{\text{load}}=50\text{mA}$
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	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

## Mechanical data

Dimensions	8x23x12
Material	
Housing material	Plastic PC / PMMA
Connections	2m cable
Active Head Material	PMMA
Storage temperature	- 35°C...+75°C
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	8x23x12
Operating Temperature	- 20°C...+ 55°C
Mechanical Protection	IP67

## **Datasensing S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail

## **date of printing**

13/06/2026  
06:08:38

[info@datasensing.com](mailto:info@datasensing.com)