



Small

95B000110

SM1-PR-2-D00-NL

**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	20mm
--------------------------	------

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

Application

Function Principle	Fix focus beam
--------------------	----------------

Description	Subminiature slim 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 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	8x26x12
------------	---------

Material	
----------	--

Housing material	Plastic ABS / 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	8x26x12
------------	---------

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**
10/08/2026
00:30:23

info@datasensing.com