

SR31

S970830201

SR31-1
FORK SENSORS



OVERVIEW

- Infrared LED emission
- Sensitivity trimmer adjustment
- Elevated switching frequency
- Metal housing with wide fork

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	30mm
--------------------------	------

Sensitivity adjustment	Trimmer
------------------------	---------

Application

Function Principle	Photoelectric slot
--------------------	--------------------

Description	Compact - fork 30x42 mm
-------------	-------------------------

Functions	Fork for small object detection
-----------	---------------------------------

Outputs

Output type	PNP - Dark mode L/D Selectable
Output Function	L/D Selectable
Switching frequency	10kHz
Response time	50 μ s

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	\leq 50mA
Load current	\leq 200mA
Output voltage drop	\leq 2V
LED indicators	Red (status output)
Time delay before availability	\leq 200ms
Emission	LED Infrared

Mechanical data

Dimensions	13x50x70
Housing Material	Metal - Zamak
Connections	M8 plug 4pin
Active Head Material	Glass
Storage temperature	- 20°C...+ 70°C

Material

Depth slot detection	42mm
----------------------	------

Test/Approvals

Approvals	CE
-----------	----

EMC compatibility	EN 60947-5-2
-------------------	--------------

Generical Data

Dimensions	13x50x70
------------	----------

Operating Temperature	-10°C...+ 60°C
-----------------------	----------------

Mechanical Protection	IP60
-----------------------	------

Datasensing S.r.l.

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

**date of
printing**
22/04/2026
03:46:40