

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 µs

Electrical data

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

Mechanical data

Dimensions	13x50x70
Material	
Housing material	Metal - Zamak
Connections	M8 plug 4pin
Active Head Material	Glass

Storage temperature	- 20°C…+ 70°C
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

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