



SR31

S970830101

SR31-0
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
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Sensitivity adjustment	Trimmer
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Application

Function Principle	Photoelectric slot
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Description	Compact - fork 30x42 mm
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Functions	Fork for small object detection
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Outputs

Output type	NPN 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	≤0,8V
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
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Depth slot detection	42mm
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Test/Approvals

Approvals	CE
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EMC compatibility	EN 60947-5-2
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Generical Data

Dimensions	13x50x70
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Operating Temperature	-10°C...+ 60°C
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Mechanical Protection	IP60
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**date of
printing**
10/08/2026
00:27:54