



# SRF

## 95B020100

**SRF-50-5-N**

**ULTIMATE PRECISION USING LED OR LASER EMISSIONS  
FOR HIGH RESOLUTION**

## OVERVIEW

- Visible red emission models
- High resolution LASER models
- Sensitivity adjustment trimmer and dark/light selectors
- Industrial metal housing with glass lenses

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	50mm
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minimum detectable object	0,50mm
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Sensitivity adjustment	Trimmer
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### Application

Function Principle	Fork for small object detection
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Description	Slim case - fork slot 50x54 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	1,5kHz
Response time	0,33

## Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 35\text{mA}$
Load current	$\leq 200\text{mA}$
Output voltage drop	$\leq 2,5\text{V}$
LED indicators	yellow OUTPUT LED, green STABILITY LED
Emission	LED Red
Interference to external light	according to EN 60947-5-2 : 2020

## Mechanical data

Dimensions	10x70x79
Material	
Housing material	Metal - Gd-Zn / Glass
Connections	M8 plug 3pin

Storage temperature	- 20°C...+70°C
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#### Test/Approvals

Approvals	CE cULus
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Shocks and vibrations	0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)
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#### Generical Data

Dimensions	10x70x79
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Operating Temperature	- 10°C...+ 60°C (Without freeze)
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Mechanical Protection	IP67
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