



# SR23

## 953161010

### SR23-5-IR-PH

HIGH EFFICIENCY FORK SENSOR FOR BOOKLET AND  
MULTILAYER LABELS DETECTION

## OVERVIEW

- Multilayer labels detection
- Up to 0,5 mm of minimum size labels/gap
- 5 mm slot width
- 50 mm slot depth
- Dynamic or static setting through single push-button
- 12 kHz switching frequency
- Compact and robust housing, IP65
- M8 connector or 2 m cable models
- PNP or NPN models

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	5mm
minimum detectable object	0,5mm
Sensitivity adjustment	Teach-in

### Application

Function Principle	Fork for label detection
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Description	Slim case - fork slot 5x50 mm
Functions	Fork for label detection

#### Outputs

Output type	PNP Don
Output Function	Don
Switching frequency	12kHz
Response time	40 $\mu$ s

#### Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq$ 30mA
Output voltage drop	$\leq$ 2V
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Infrared
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 M $\Omega$ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

## Mechanical data

Dimensions	11x25x64
Material	
Housing material	Metal - Zamak / PBT
Connections	M8 plug 4pin
Active Head Material	PMMA
Storage temperature	- 20°C...+70°C
Depth slot detection	50,5mm

## 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	11x25x64
Operating Temperature	- 20°C...+ 55°C
Mechanical Protection	IP65

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