



SR23

953161030

SR23-5-IR-NH

**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	NPN Don
Output Function	Don
Switching frequency	12kHz
Response time	40 μs
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Output voltage drop	≤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 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	11x25x64
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Material	
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Housing material	Metal - Zamak / PBT
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Connections	M8 plug 4pin
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Active Head Material	PMMA
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Storage temperature	- 20°C...+70°C
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Depth slot detection	50,5mm
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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	11x25x64
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Operating Temperature	- 20°C...+ 55°C
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Mechanical Protection	IP65
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