

SR21

953151080

SR21-RG

2 MM HIGH-RESOLUTION FORK SENSORS FOR LABELING AND PACKAGING

OVERVIEW

- 25 kHz high switching frequency
- IR or red/green light models
- Detection of labels (SR21-IR) or print register mark on transparent films (SR21-RG)
- 4 wire NPN and PNP output

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	2mm
minimum detectable object	0,5mm
Sensitivity adjustment	Teach-in

Application

Function Principle	Fork for label and color mark detection
Description	Compact - fork 2x50 mm
Functions	Fork for label and color mark detection

Outputs

Output type	NPN/PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	25kHz
Response time	0,02

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 55mA
Load current	≤100mA
Output voltage drop	≤2V@Iload=100mA
LED indicators	Yellow (status output), Green/Red (Read/Error)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Red/green
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	20x26x90
Material	
Housing material	Metal - Zamak
Connections	M8 plug 4pin
Active Head Material	PMMA
Storage temperature	- 25°C…+70°C
Depth slot detection	50mm

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	20x26x90
Operating Temperature	- 20°C…+ 60°C
Mechanical Protection	IP65

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