

S3N

95B010772

S3N-PR-5-M01-P BGS PNP L/D M8

OVERVIEW

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	800mm
Sensitivity adjustment	1 turn trimmer
Minimum sensing distance (blind zone)	0mm

Application

Function Principle	Background suppression
Notes	white target Kodak 90% 100 x 100mm
Optic position	Radial 90°

Functions	Background suppression

Outputs

Output type	PNP L/D selectable by trimmer L/D Selectable
Output Function	L/D Selectable
Switching frequency	500Hz
Response time	1ms

Electrical data

Operating Voltage	10…30VDC
No-Load supply current	≤ 35mA
Load current	≤100mA
Leakage current	≤ 300 μA
Output voltage drop	≤2V@Iload=100mA
Max ripple content	≤10%
LED indicators	yellow OUTPUT LED, green POWER ON LED
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red (635nm)
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
0,1µF @Vmax - 1µF @Vmin	Yes

Mechanical data

Housing material	Plastic Polymer Fiber Glass reinforced
Connections	M8 plug 4pin
Active Head Material	PMMA
Storage temperature	- 25°C…+70°C
Plug connector material	Metal
shaft material	POM, PMMA
Diameter/Dimension	Cubic

Test/Approvals

Approvals	CE cULus
EMC compatibility	EN 60947-5-2
Shocks and vibrations	0.5 mm amplitude, 10 … 55 Hz frequency, for every axis (EN60068-2-6)

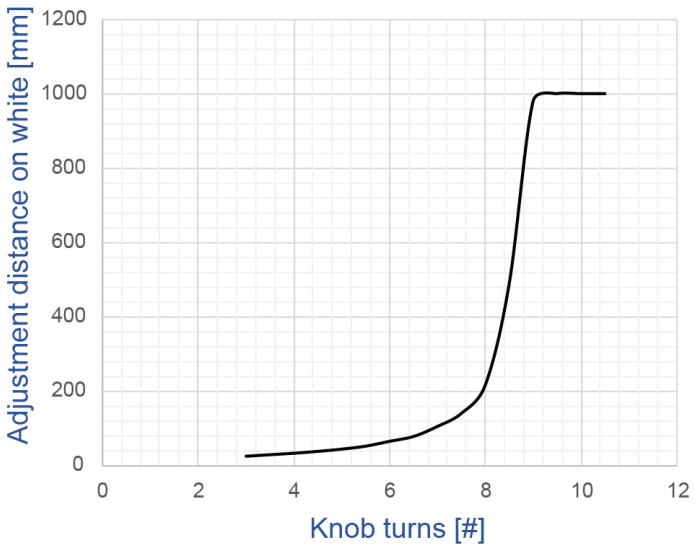
Generical Data

Dimensions	11x31x19 mm
Operating Temperature	-25°C ... 55°C

Mechanical Protection	IP67

OTHERS

Response curves



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