



S3Z

95B010011

S3Z-PR-5-C11-PL

ADVANCED GLOBAL STYLE MINIATURE PHOTOELECTRIC
SENSOR

OVERVIEW

- 50-250 mm background suppression
- 0.7 m proximity, 150 mm with narrow beam
- 4 m polarized retroreflective
- 15 m through beam
- Light and dark trimmer models
- Standard 3-wire output configuration

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	700mm
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Sensitivity adjustment	Trimmer
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Application

Function Principle	Diffuse beam
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Description	Miniature global standard front holes
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Optic position	Radial 90°
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Functions	Diffuse beam
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Outputs

Output type	PNP Lon
Output Function	Lon
Switching frequency	500Hz
Response time	1

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 30\text{mA}$
Load current	$\leq 100\text{mA}$
Output voltage drop	$\leq 2\text{V}@I_{\text{load}}=100\text{mA}$
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Infrared (850 nm)
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	11x32x20
Housing Material	Plastic PBT / PMMA
Connections	M8 plug 4pin
Active Head Material	PMMA
Storage temperature	- 40°C...+70°C
Material	
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	11x32x20
Operating Temperature	- 25°C...+ 55°C
Mechanical Protection	IP67

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