



S3Z

95B010210

S3Z-PR-5-C01-NL

**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	150mm
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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
Outputs	
Output type	NPN Lon
Output Function	Lon
Switching frequency	500Hz
Response time	1
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤100mA
Output voltage drop	≤2V@Iload=100mA
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Red (665 nm)
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	11x32x20
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Material	
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Housing material	Plastic PBT / PMMA
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Connections	M8 plug 4pin
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Active Head Material	PMMA
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Storage temperature	- 40°C...+70°C
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Diameter/Dimension	Cubic
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Test/Approvals

Approvals	CE cULus
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EMC compatibility	EN 60947-5-2
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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	11x32x20
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Operating Temperature	- 25°C...+ 55°C
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Mechanical Protection	IP67
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Datasensing
S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411

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Fax 059 253973
E-mail
info@datasensing.com