



S6

950201150

S6-5-C200

MULTIVOLTAGE 50X50 MM COMPACT SENSORS SERIES

OVERVIEW

- 50x50 mm compact dimensions
- Free voltage Vac/Vdc models with relay output
- 10-30 Vdc model with transistor output
- Standard cable or M12 4-pole connection

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	2m
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Sensitivity adjustment	Trimmer
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Application

Function Principle	Diffuse beam
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Description	Compact square case
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Functions	Diffuse beam
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Outputs

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

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 30\text{mA}$
Load current	$\leq 100\text{mA}$
Output voltage drop	$\leq 1,5\text{V}@I_{\text{load}}=100\text{mA}$
LED indicators	Red OUTPUT
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	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	18x50x50
Material	
Housing material	ABS
Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 25°C...+70°C
Diameter/Dimension	Cubic

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	18x50x50
Operating Temperature	- 25°C...+ 55°C (Without freeze)
Mechanical Protection	IP65

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