



MULTIVOLTAGE 50X50 MM COMPACT SENSORS SERIES

- 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

Detection properties

Nominal sensing distance	2m
Sensitivity adjustment	Trimmer

Application

Function Principle	Diffuse beam
Description	Compact square case
Functions	Diffuse beam

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	≤ 30mA
Load current	≤100mA

Output voltage drop	≤1,5V@Iload=100mA
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 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

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

Datasensing S.r.l.

Strada S.Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail info@datasensing.com

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