



# S300

## 951451570

**S300-PA-2-G00-EX**

**ADVANCED MAXI PHOTOELECTRIC MULTIVOLTAGE SENSORS**

## OVERVIEW

- Industrial plastic housing with IP67 mechanical protection
- Timing function from 0.6-16 s ON delay, OFF delay and ONE SHOT
- Terminal block for both Vdc and Vac/ Vdc free voltage
- Distance trimmer for mechanical background suppression models

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	50m
Sensitivity adjustment	n/a

### Application

Function Principle	Through beam emitter
Description	Large case horizontal mount
Optic position	axial
Functions	Through beam emitter

## Outputs

Output type	n/a
Switching frequency	250Hz
Response time	n/a

## Electrical data

Operating Voltage	12...30VDC
No-Load supply current	$\leq 35\text{mA}$
Load current	$\leq 100\text{mA}$
Output voltage drop	$\leq 2,4\text{V}$
LED indicators	Green (PowerON)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
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	25x70x100
Housing Material	PBT Fiber Glass reinforced
Connections	Terminal block
Active Head Material	PMMA
Storage temperature	- 40°C...+70°C
Material	Plastic - PBT / PC
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	25x70x100
Operating Temperature	- 40°C...+ 55°C
Mechanical Protection	IP67

## Datasensing

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