



# S300

## 951451030

**S300-PR-5-B06-OC**

**HEAVY DUTY SENSOR FOR OUTDOOR APPLICATIONS AND HARSH ENVIRONMENTS**

## OVERVIEW

- Industrial plastic housing with IP67 mechanical protection
- Defogging system function
- Double independent timing functions with double time scale from 0-2s or 0-10s, One-Delay, Off Delay, ONE SHOT

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	22m
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Sensitivity adjustment	Trimmer
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### Application

Function Principle	Polarized retroreflective
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Description	Large case vertical mount
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Optic position	Radial 90°
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Functions	Polarized retroreflective
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## Outputs

Output type	NPN/PNP - Dark/Light sel.
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Switching frequency	500Hz
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Response time	1
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## Electrical data

Operating Voltage	12...30VDC
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No-Load supply current	$\leq 30\text{mA}$
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Load current	$\leq 100\text{mA}$
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Output voltage drop	$\leq 2,4\text{V}$
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LED indicators	Yellow (output state) Green (stability)
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Short-circuit protection	YES
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Reverse Polarity Protection	Yes
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Emission	LED Red
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Interference to external light	according to EN 60947-5-2 : 2020
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Impulsive Overvoltage Protection	Yes
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Insulation resistance	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
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Contact resistance	500 Vac 1 min., between electronics and housing
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## Mechanical data

Dimensions	25x85x70
Material	Plastic - PBT / PC
Housing material	PBT Fiber Glass reinforced
Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 40°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	25x85x70
Operating Temperature	- 40°C...+ 55°C
Mechanical Protection	IP67

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