



# S300

## 951451060

**S300-PR-1-B06-RX-M**

**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 with defogging
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Description	Large case vertical mount
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Optic position	Radial 90°
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Functions	Polarized retroreflective with defogging
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## Outputs

Output type	Relay SPDT
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Switching frequency	25Hz
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Response time	20
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## Electrical data

Operating Voltage	24...240 VAC
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No-Load supply current	$\leq 3VA$
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Load current	$\leq 3A$
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Output voltage drop	$\leq 2,4V$
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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	$>20 M\Omega$ 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
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	25x85x70
Operating Temperature	- 40°C...+ 55°C
Mechanical Protection	IP67

## 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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