



S300

951451100

S300-PR-5-C06-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	5m
Sensitivity adjustment	Trimmer

Application

Function Principle	Diffuse beam
Description	Large case vertical mount
Optic position	Radial 90°
Functions	Diffuse beam

Outputs	
Output type	NPN/PNP - Dark/Light sel.
Switching frequency	500Hz
Response time	1
Electrical data	
Operating Voltage	12...30VDC
No-Load supply current	≤ 30mA
Load current	≤100mA
Output voltage drop	≤ 2,4V
LED indicators	Yellow (output state) Green (stability)
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	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

Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

**date of
printing**
10/08/2026
00:47:34