



# S300

## 951451600

### S300-PA-2-F01-OC

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   | Trimmer |

### Application

|                    |                             |
|--------------------|-----------------------------|
| Function Principle | Through beam receiver       |
| Description        | Large case horizontal mount |
| Optic position     | axial                       |
| Functions          | Through beam receiver       |

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Outputs                          |                                                 |
| Output type                      | NPN/PNP - Dark/Light sel.                       |
| Switching frequency              | 250Hz                                           |
| Response time                    | 2                                               |
| Electrical data                  |                                                 |
| Operating Voltage                | 12...30VDC                                      |
| No-Load supply current           | ≤ 35mA                                          |
| Load current                     | ≤100mA                                          |
| Output voltage drop              | ≤ 2,4V                                          |
| LED indicators                   | Yellow (output state) Green (stability)         |
| Short-circuit protection         | YES                                             |
| Reverse Polarity Protection      | Yes                                             |
| Emission                         | n/a                                             |
| 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           | 25x70x100                  |
| Material             | Plastic - PBT / PC         |
| Housing material     | PBT Fiber Glass reinforced |
| Connections          | Terminal block             |
| 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            | 25x70x100       |
| Operating Temperature | - 40°C...+ 55°C |
| Mechanical Protection | IP67            |

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