

## DATASENSING - S300-PA - MAXI SENSOR

S300-PA-1-B01-RX  
951451520 Polarised Retro Reflective ac/dc Relay  
Term Block

- Long detection distances
- AC and DC power supply versions
- Relay / Transistor output
- Terminal Connection
- IP67



### PRODUCT DESCRIPTION

The S300-PA series of advanced MAXI photoelectric sensors represents the most suitable solution for standard applications thanks to its excellent cost/performance ratio. The series offers a wide range of models and functions in order to guarantee easy use and installation. The series presents 5 different models with through beam optical function up to 50m, retro reflective up to 15m, polarised retro reflective up to 10m, diffused proximity at 2m and background suppression at 2m. All the models are available both Vdc from 12 to 30V and Vac/Vdc free-voltage from 24 to 240V.

### FEATURES & BENEFITS

- Excellent optical performances
- Sturdy plastic housing with IP67 mechanical protection
- Wide range of operating temperatures ranging from -25 to 55°C
- Timing function from 0.6-16 s ON-delay, OFF delay ONE SHOT
- Terminal block for both Vdc and Vac/Vdc free voltage versions
- Distance trimmer clutch for mechanical background suppression models

### APPLICATIONS

- Automatic machines
- Transportation lines
- Wood working machines
- Automatic warehouses

## TECHNICAL DATA

|                       |               |
|-----------------------|---------------|
| <b>Approvals</b>      | CE, UL        |
| <b>Dimension (mm)</b> | 25 x 100 x 70 |
| <b>Distance max</b>   | 10000 mm      |
| <b>Distance min</b>   | 100 mm        |

|                                    |                            |
|------------------------------------|----------------------------|
| <b>Electrical connection</b>       | Terminal                   |
| <b>Function</b>                    | Dark on / Light on         |
| <b>IP class</b>                    | IP67                       |
| <b>LED indicator</b>               | Yes                        |
| <b>Lens material</b>               | PC                         |
| <b>Light type</b>                  | Red LED                    |
| <b>Material of body</b>            | PBT                        |
| <b>Output</b>                      | Relay                      |
| <b>Output current max</b>          | 3 A                        |
| <b>Photocell technology</b>        | Polarised retro reflective |
| <b>Reaction time</b>               | 25 ms                      |
| <b>Sensitivity setting</b>         | Yes                        |
| <b>Storage temperature max</b>     | 70 °C                      |
| <b>Storage temperature min</b>     | -25 °C                     |
| <b>Supply voltage</b>              | 24-240 V AC/24-60 V DC     |
| <b>Temperature operational max</b> | 55 °C                      |
| <b>Temperature operational min</b> | -25 °C                     |
| <b>Timer</b>                       | No                         |
| <b>Type of light</b>               | LED                        |
| <b>Weight</b>                      | 130 g                      |



