



# S6

## S937330000

### S6-5-A6

MULTIVOLTAGE 50X50 MM COMPACT SENSORS SERIES

## OVERVIEW

- 50x50 mm compact dimensions
- Free voltage Vac/Vdc models with relay output
- 10-30 Vdc model with transistor output
- Standard cable or M12 4-pole connection

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance

6m

Sensitivity adjustment

Trimmer

### Application

Function Principle

Retroreflective

Description

Compact square case

Functions

Retroreflective

### Outputs

|                     |                          |
|---------------------|--------------------------|
| Output type         | NPN / PNP L/D Selectable |
| Output Function     | L/D Selectable           |
| Switching frequency | 500Hz                    |
| Response time       | 1ms                      |

Electrical data

|                                  |                   |
|----------------------------------|-------------------|
| Operating Voltage                | 10...30VDC        |
| No-Load supply current           | ≤ 30mA            |
| Load current                     | ≤100mA            |
| Output voltage drop              | ≤1,5V@Iload=100mA |
| LED indicators                   | Red OUTPUT        |
| Short-circuit protection         | YES               |
| Reverse Polarity Protection      | Yes               |
| Emission                         | LED Infrared      |
| Impulsive Overvoltage Protection | Yes               |

Mechanical data

|                  |          |
|------------------|----------|
| Dimensions       | 18x50x50 |
| Material         |          |
| Housing material | ABS      |

|             |          |
|-------------|----------|
| Connections | M12 plug |
|-------------|----------|

|                      |      |
|----------------------|------|
| Active Head Material | PMMA |
|----------------------|------|

|                     |                |
|---------------------|----------------|
| Storage temperature | - 25°C...+70°C |
|---------------------|----------------|

|                    |       |
|--------------------|-------|
| Diameter/Dimension | Cubic |
|--------------------|-------|

#### Test/Approvals

|                   |              |
|-------------------|--------------|
| EMC compatibility | EN 60947-5-2 |
|-------------------|--------------|

#### Generical Data

|            |          |
|------------|----------|
| Dimensions | 18x50x50 |
|------------|----------|

|                       |                                  |
|-----------------------|----------------------------------|
| Operating Temperature | - 25°C...+ 55°C (Without freeze) |
|-----------------------|----------------------------------|

|                       |      |
|-----------------------|------|
| Mechanical Protection | IP65 |
|-----------------------|------|

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