



# S62

## 956211270

### S62-PA-2-C11-PN

THE MOST COMPLETE UNIVERSAL SENSOR IN A  
COMPACT 50 X 50 MM HOUSING

## OVERVIEW

- Sensors with red, infrared LED or LASER emission
- Background suppression from 3 cm to 2 m
- Polarized retroreflective up to 20 m
- Multivoltage 24-240Vac/24-60Vdc with Relay output
- NPN/PNP output NO-NC configuration

## TECHNICAL FEATURES

### Detection properties

|                          |         |
|--------------------------|---------|
| Nominal sensing distance | 2m      |
| Sensitivity adjustment   | Trimmer |

### Application

|                    |                     |
|--------------------|---------------------|
| Function Principle | Diffuse beam        |
| Description        | Compact square case |
| Optic position     | axial               |

|           |              |
|-----------|--------------|
| Functions | Diffuse beam |
|-----------|--------------|

|               |           |
|---------------|-----------|
| Outputs       |           |
| Output type   | NPN / PNP |
| Response time | 0,5       |

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Electrical data                  |                                                 |
| Operating Voltage                | 10...30VDC                                      |
| No-Load supply current           | ≤ 30mA                                          |
| Load current                     | ≤100mA                                          |
| Output voltage drop              | ≤2V@Iload=100mA                                 |
| Short-circuit protection         | YES                                             |
| Reverse Polarity Protection      | Yes                                             |
| Emission                         | LED Red                                         |
| 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      | 18x50x50 |
| Material        |          |

|                      |                |
|----------------------|----------------|
| Housing material     | ABS / PMMA     |
| Connections          | 2m cable       |
| Active Head Material | PMMA           |
| Storage temperature  | - 25°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            | 18x50x50 |
| 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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