



# S62

## 956211530

**S62-PA-5-F01-NN**

**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 | 25m     |
| Sensitivity adjustment   | Trimmer |

### Application

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

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Functions                        | Through beam receiver                           |
| Outputs                          |                                                 |
| Output type                      | NPN NO+NC                                       |
| Output Function                  | NO+NC                                           |
| Response time                    | 1                                               |
| Electrical data                  |                                                 |
| Operating Voltage                | 10...30VDC                                      |
| No-Load supply current           | ≤ 30mA                                          |
| Load current                     | ≤100mA                                          |
| Output voltage drop              | ≤2V@Iload=100mA                                 |
| LED indicators                   | Yellow (status output) 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 | 18x50x50 |
|------------|----------|

|          |  |
|----------|--|
| Material |  |
|----------|--|

|                  |            |
|------------------|------------|
| Housing material | ABS / PMMA |
|------------------|------------|

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

|                      |      |
|----------------------|------|
| 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 |
|-----------------------|------|

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