



S62

956201831

S62-PA-5-M01-PP

**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 | 300mm |
|--------------------------|-------|

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|------------------------|---------|
| Sensitivity adjustment | Trimmer |
|------------------------|---------|

Application

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|--------------------|------------------------|
| Function Principle | Background suppression |
|--------------------|------------------------|

| | |
|-------------|---------------------|
| Description | Compact square case |
|-------------|---------------------|

| | |
|----------------|-------|
| Optic position | axial |
|----------------|-------|

| | |
|-----------|------------------------|
| Functions | Background suppression |
|-----------|------------------------|

Outputs

| | |
|-------------|-----------|
| Output type | PNP NO+NC |
|-------------|-----------|

| | |
|-----------------|-------|
| Output Function | NO+NC |
|-----------------|-------|

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|---------------|-----|
| Response time | 0,5 |
|---------------|-----|

Electrical data

| | |
|-------------------|------------|
| Operating Voltage | 10...30VDC |
|-------------------|------------|

| | |
|------------------------|--------------------|
| No-Load supply current | $\leq 30\text{mA}$ |
|------------------------|--------------------|

| | |
|--------------|---------------------|
| Load current | $\leq 100\text{mA}$ |
|--------------|---------------------|

| | |
|---------------------|---|
| Output voltage drop | $\leq 2\text{V}@I_{\text{load}}=100\text{mA}$ |
|---------------------|---|

| | |
|--------------------------|-----|
| Short-circuit protection | YES |
|--------------------------|-----|

| | |
|-----------------------------|-----|
| Reverse Polarity Protection | Yes |
|-----------------------------|-----|

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|----------|---------|
| Emission | LED Red |
|----------|---------|

| | |
|--------------------------------|----------------------------------|
| Interference to external light | according to EN 60947-5-2 : 2020 |
|--------------------------------|----------------------------------|

| | |
|----------------------------------|-----|
| Impulsive Overvoltage Protection | Yes |
|----------------------------------|-----|

| | |
|-----------------------|---|
| Insulation resistance | $>20\text{ M}\Omega$ 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 |

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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