



# 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
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### Application

Function Principle	Background suppression
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Description	Compact square case
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Optic position	axial
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Functions	Background suppression
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#### Outputs

Output type	PNP NO+NC
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Output Function	NO+NC
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Response time	0,5
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#### Electrical data

Operating Voltage	10...30VDC
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No-Load supply current	$\leq 30\text{mA}$
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Load current	$\leq 100\text{mA}$
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Output voltage drop	$\leq 2\text{V}@I_{\text{load}}=100\text{mA}$
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Short-circuit protection	YES
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Reverse Polarity Protection	Yes
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Emission	LED Red
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Interference to external light	according to EN 60947-5-2 : 2020
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Impulsive Overvoltage Protection	Yes
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Insulation resistance	$>20\text{ M}\Omega$ 500 Vdc, between electronics and housing
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Contact resistance	500 Vac 1 min., between electronics and housing
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#### Mechanical data

Dimensions	18x50x50
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Housing Material	ABS / PMMA
Connections	M12 plug
Active Head Material	PMMA
Storage temperature	- 25°C...+70°C
Material	
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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