



S62

956211320

S62-PA-5-B01-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	8m
Sensitivity adjustment	Trimmer

Application

Function Principle	Polarized retroreflective
Description	Compact square case
Optic position	axial

Functions	Polarized retroreflective
-----------	---------------------------

Outputs	
Output type	NPN / PNP
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
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

**date of
printing**
10/08/2026
06:09:46