



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

- 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

### Detection properties

Nominal sensing distance  
Sensitivity adjustment

8m

Trimmer

### Application

Function Principle  
Description  
Optic position  
Functions

Polarized retroreflective  
Compact square case  
axial  
Polarized retroreflective

### Outputs

Output type  
Output Function  
Response time

NPN NO+NC  
NO+NC  
0,5

### Electrical data

Operating Voltage  
No-Load supply current  
Load current

10...30VDC  
≤ 30mA  
≤100mA

Output voltage drop	≤2V@Iload=100mA
LED indicators	Yellow (status output) Green (stability)
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
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

### **Datasensing S.r.l.**

Strada S.Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail [info@datasensing.com](mailto:info@datasensing.com)

### **date of printing**

07/06/2023 09:40:17