



# S60

## 956201160

### S60-PL-5-M08-PH

EXTENDED RANGE OF STANDARD "ONE FOR ALL"  
PHOTOELECTRIC COMPACT SENSORS

## OVERVIEW

- Complete range of optic functions, basic, advanced and laser class 1
- Models with coaxial optics for polarized retroreflective, contrast and luminescence sensors
- Trimmer or EASY touch<sup>TM</sup> setting with
- Remote, Keylock and Delay functions
- Standard cable or M12 connection with standard NPN or PNP configuration

## TECHNICAL FEATURES

### Detection properties

|                          |       |
|--------------------------|-------|
| Nominal sensing distance | 100mm |
|--------------------------|-------|

|                        |          |
|------------------------|----------|
| Sensitivity adjustment | Teach-in |
|------------------------|----------|

### Application

|                    |                         |
|--------------------|-------------------------|
| Function Principle | Blackground suppression |
|--------------------|-------------------------|

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

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

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| Functions                        |                                                  |
| Background suppression           |                                                  |
| Outputs                          |                                                  |
| Output type                      | PNP L/D selectable                               |
| Output Function                  | L/D selectable                                   |
| Switching frequency              | 1,5Khz                                           |
| Response time                    | 500μs                                            |
| Electrical data                  |                                                  |
| Operating Voltage                | 10...30VDC                                       |
| No-Load supply current           | ≤ 40mA                                           |
| Load current                     | ≤100mA                                           |
| Output voltage drop              | ≤2V@Iload=100mA                                  |
| Max ripple content               | ≤2 Vpp                                           |
| LED indicators                   | Yellow (status output) Green/red READY/ERROR LED |
| Short-circuit protection         | YES                                              |
| Reverse Polarity Protection      | Yes                                              |
| Emission                         | LASER 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           | 15X50X50       |
| 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            | 15X50X50                         |
| Operating Temperature | - 10°C...+ 55°C (Without freeze) |
| 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)

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