



## Detection properties

|                                       |                      |
|---------------------------------------|----------------------|
| Nominal sensing distance              | 8000mm               |
| Thermal drift of Sr                   | ±5%                  |
| Repeat Accuracy                       | 1% valore fondoscala |
| Beam angle                            | 10° ± 2°             |
| Resolution                            | 1% valore fondoscala |
| Sensitivity adjustment                | Teach-in button      |
| Hysteresis                            | 1% valore fondoscala |
| thermal compensation                  | Si                   |
| Minimum sensing distance (blind zone) | 600mm                |
| Linearity error                       | 1% valore fondoscala |

## Application

Function Principle

Diffuse reflection

## Outputs

Output type

PNP + 0...10V

|                     |                                 |
|---------------------|---------------------------------|
| Output Function     | NO/NC + positive/negative slope |
| Switching frequency | 1Hz                             |
| Response time       | 1s                              |

## Electrical data

|                                  |                             |
|----------------------------------|-----------------------------|
| Operating Voltage                | 10 - 30Vdc                  |
| No-Load supply current           | 25mA                        |
| Load current                     | 100mA                       |
| Leakage current                  | ≤ 10μA @ 30Vdc              |
| Output voltage drop              | 2,2V max @ IL=100mA         |
| Max ripple content               | 5%                          |
| LED indicators                   | Verde: Eco - Giallo: Uscita |
| Time delay before availability   | ≤400ms                      |
| Short-circuit protection         | Sì                          |
| Reverse Polarity Protection      | Sì                          |
| Impulsive Overvoltage Protection | Sì                          |

## Mechanical data

|                       |                    |
|-----------------------|--------------------|
| Dimensions            | ø 61mm / L = 115mm |
| Weight                | 400g               |
| Housing Material      | AISI316L           |
| Connections           | M12 Plug           |
| Tightening torque     | 100Nm              |
| Operating temperature | -20°C...+70°C      |
| Storage temperature   | -30°C...+80°C      |
| Transducer Frequency  | 40KHz              |
| Diameter/Dimension    | M30                |

## Test/Approvals

|                       |                        |
|-----------------------|------------------------|
| Approvals             | CE cULus               |
| EMC compatibility     | IEC 60947-5-2          |
| Shocks and vibrations | IEC EN 60947-5-2 / 7.4 |
| Degree of protection  | IP67                   |

## Accessories

|                      |                  |
|----------------------|------------------|
| Supplied Accessories | 2 x M30x1,5 dadi |
|----------------------|------------------|

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