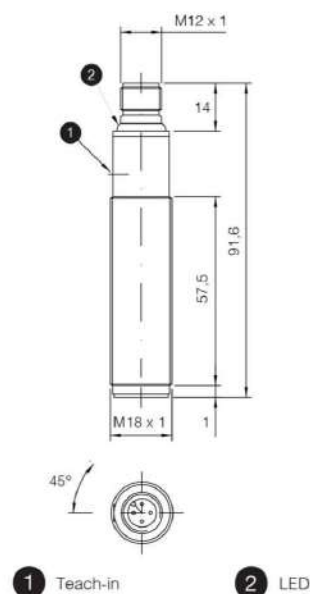




## Detection properties

|                                       |                 |
|---------------------------------------|-----------------|
| Nominal sensing distance              | 400mm           |
| Thermal drift of Sr                   | ±2%             |
| Repeat Accuracy                       | 0,50%           |
| Beam angle                            | 10° ± 2°        |
| Resolution                            | ≤3mm            |
| Sensitivity adjustment                | Teach-in button |
| Hysteresis                            | 1%              |
| thermal compensation                  | Yes             |
| Minimum sensing distance (blind zone) | 50mm            |
| Linearity error                       | 1%              |

## Application

## Outputs

|                     |                      |
|---------------------|----------------------|
| Output type         | 2x PNP               |
| Output Function     | NO/NC multifunctions |
| Switching frequency | 10Hz                 |
| Response time       | 500ms                |

## Electrical data

|                                  |                              |
|----------------------------------|------------------------------|
| Operating Voltage                | 10 - 30Vdc                   |
| No-Load supply current           | ≤50mA                        |
| Load current                     | 100mA                        |
| Leakage current                  | 10µA @ 30Vcc                 |
| Output voltage drop              | 2,2Vmax. @ IL=100 mA         |
| Max ripple content               | 5%                           |
| LED indicators                   | green: echo - yellow: output |
| Time delay before availability   | ≤300ms                       |
| Short-circuit protection         | Yes                          |
| Reverse Polarity Protection      | Yes                          |
| Impulsive Overvoltage Protection | Yes                          |

## Mechanical data

|                       |                                 |
|-----------------------|---------------------------------|
| Dimensions            | M18 x 1 / L = 91,6mm            |
| Weight                | 100g                            |
| Housing Material      | stainless steel AISI 316L       |
| Connections           | M12 Plug                        |
| Tightening torque     | 50Nm                            |
| Operating temperature | - 20°C...+ 70°C                 |
| Storage temperature   | - 35°C...+ 80° C without freeze |
| Transducer Frequency  | 300kHz                          |
| Diameter/Dimension    | M18                             |

## Test/Approvals

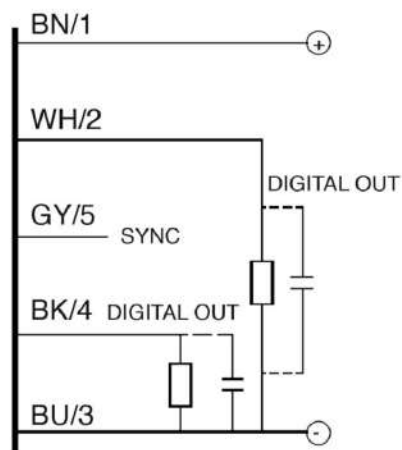
|                       |                       |
|-----------------------|-----------------------|
| Approvals             | CE cULus              |
| EMC compatibility     | IEC 60947-5-2         |
| Shocks and vibrations | IEC EN60947-5-2 / 7.4 |
| Degree of protection  | IP67                  |

## Accessories

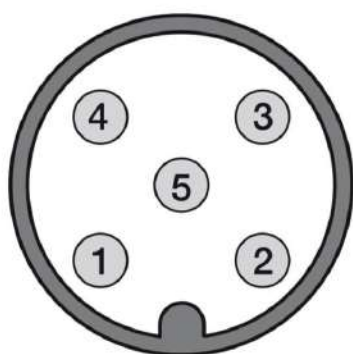
Supplied Accessories

2 nuts M18x1, 2 washers Ø 18

## ELECTRICAL DIAGRAMS OF THE CONNECTIONS

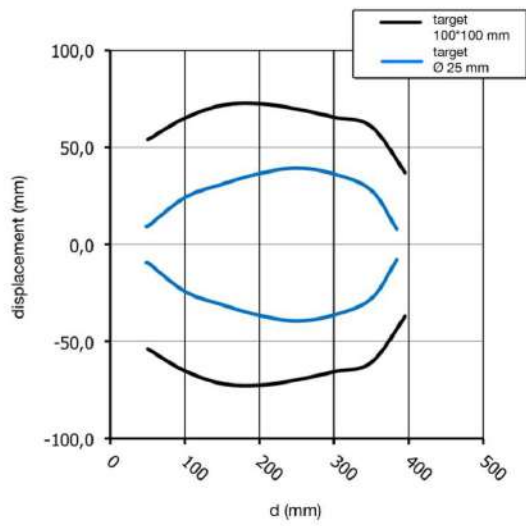


## CONNECTOR



## RESPONSE CURVES

Disassamento Parallelo



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