

Plastic square shape inductive sensors **LE50** series


## Features

- ◆ Non contact detection, safe and reliable;
- ◆ ASIC design;
- ◆ Perfect choice for metallic targets detection;



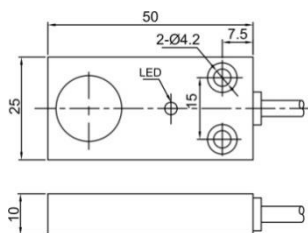
## Part number

|        |             |             |        |             |             |
|--------|-------------|-------------|--------|-------------|-------------|
| NPN NO | LE50SF05DNO | LE50SN08DNO | PNP NO | LE50SF05DPO | LE50SN08DPO |
| NPN NC | LE50SF05DNC | LE50SN08DNC | PNP NC | LE50SF05DPC | LE50SN08DPC |

## Technical specifications

|                            |                               |             |                         |  |       |
|----------------------------|-------------------------------|-------------|-------------------------|--|-------|
| Mounting                   | Flush                         | Non-flush   | Current consumption     | ≤10mA  |       |
| Rated distance [Sn]        | 5mm                           | 8mm         | Circuit protection      | Short-circuit, overload and reverse polarity |       |
| Assured distance [Sa]      | 0...4mm                       | 0...6.4mm   | Output indicator        | Yellow LED                                   |       |
| Dimensions                 | 10 *25 *50 mm                 |             | Ambient temperature     | -25°C...70°C                                 |       |
| Output                     | NO/NC(depends on part number) |             | Ambient humidity        | 35-95%RH                                     |       |
| Supply voltage             | 10...30 VDC                   |             | Switching frequency [F] | 700 Hz                                       | 500Hz |
| Standard target            | Fe 25*25*1t                   | Fe 25*25*1t | Voltage withstand       | 1000V/AC 50/60Hz 60s                         |       |
| Switch-point drifts [%/Sr] | ≤ ± 10%                       |             | Insulation resistance   | ≥50MΩ(500VDC)                                |       |
| Hysteresis range [%/Sr]    | 1...20%                       |             | Vibration resistance    | 10...50Hz (1.5mm)                            |       |
| Repeat accuracy [R]        | ≤3%                           |             | Degree of protection    | IP67   |       |
| Load current               | ≤200mA                        |             | Housing material        | PBT  |       |
| Residual voltage           | ≤2.5V                         |             | Connection type         | 2m PVC cable                                 |       |

## Dimensions



## Wiring diagram

