

Plastic square shape inductive sensors **LE30** series


## Features

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



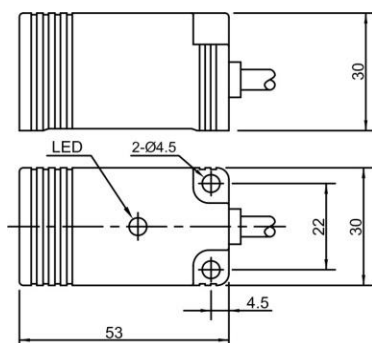
## Part number

|           |             |             |           |             |             |
|-----------|-------------|-------------|-----------|-------------|-------------|
| NPN NO    | LE30SF10DNO | LE30SN15DNO | PNP NO    | LE30SF10DPO | LE30SN15DPO |
| NPN NC    | LE30SF10DNC | LE30SN15DNC | PNP NC    | LE30SF10DPC | LE30SN15DPC |
| NPN NO+NC | LE30SF10DNR | LE30SN15DNR | PNP NO+NC | LE30SF10DPR | LE30SN15DPR |

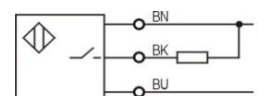
## Technical specifications

|                            |                                |             |                         |  |
|----------------------------|--------------------------------|-------------|-------------------------|--|
| Mounting                   | Flush                          | Non-flush   | Current consumption     | ≤10mA  |
| Rated distance [Sn]        | 10mm                           | 15mm        | Circuit protection      | Short-circuit, overload and reverse polarity |
| Assured distance [Sa]      | 0...8mm                        | 0...12mm    | Output indicator        | Yellow LED                                   |
| Dimensions                 | 30 *30*53mm                    |             | 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] | 500 Hz                      300Hz            |
| Standard target            | Fe 30*30*1t                    | Fe 45*45*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                                 |

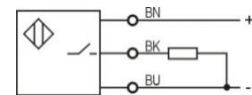
## Dimensions



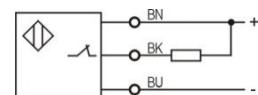
## Wiring diagram



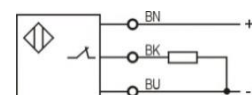
NPN NO



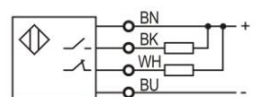
PNP NO



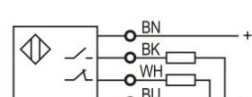
NPN NC



PNP NC



NPN NO+NC



PNPNO+NC