

## Plastic square shape inductive sensors **LE40XZ** series



### Features

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



### Part number

DC 2 wires NO LE40XZSF15DLO-E2 LE40XZSN20DLO-E2

DC 2 wires NC

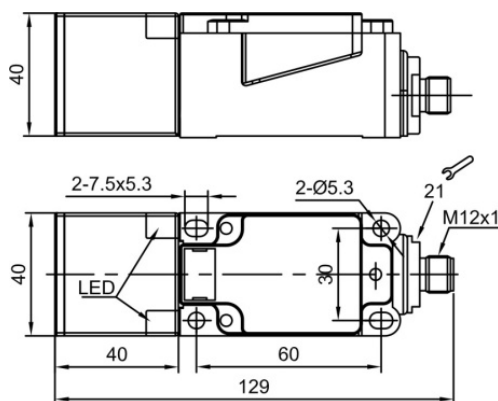
LE40XZSF15DLC-E2

LE40XZSN20DLC-E2

### Technical specifications

|                            |                               |             |                         |                                              |
|----------------------------|-------------------------------|-------------|-------------------------|----------------------------------------------|
| Mounting                   | Flush                         | Non-flush   | Leakage current [Ir]    | ≤1mA                                         |
| Rated distance [Sn]        | 15mm                          | 20mm        | Circuit protection      | Short-circuit, overload and reverse polarity |
| Assured distance [Sa]      | 0...12mm                      | 0...16mm    | Output indicator        | Yellow LED                                   |
| Dimensions                 | 40 *40 *129 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] | 500 Hz      300 Hz                           |
| Standard target            | Fe 45*45*1t                   | Fe 60*60*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               | ≤100mA                        |             | Housing material        | PBT                                          |
| Residual voltage           | ≤6V                           |             | Connection type         | M12 connector                                |

### Dimensions



### Wiring diagram

