# Plastic square shape inductive sensors **LE40SZ** series



## Features

- ◆ Extended sensing distance;
- ◆ASIC design, safe and reliable;
- ◆Perfect choice for metallic targt detection;

CE

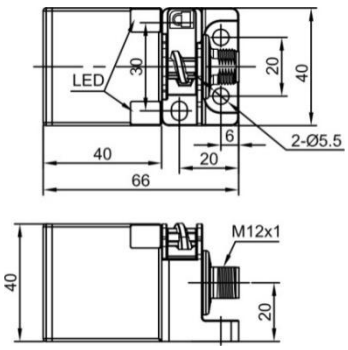
## Part number

| | | | | | |
|---|---|---|---|---|---|
| AC/DC 2wires NO | LE40SZSF20SBOY-E2 | LE40SZSN40SBOY-E2 | AC/DC 2wires NO/NC | LE40SZSF20SBBY-E2 | LE40SZSN40SBBY-E2 |
| AC/DC 2wires NC | LE40SZSF20SBCY-E2 | LE40SZSN40SBCY-E2 | | | |

## Technical specifications

| | | | | | |
|---|---|---|---|---|---|
| Mounting | Quasi -flush | Non-flush | Leakage current [Ir] | AC:≤3mA | DC: ≤1mA |
| Rated distance [Sn] | 20mm | 40mm | Circuit protection | …… | |
| Assured distance [Sa] | 0…16mm | 0…32mm | Indicator | Yellow LED | |
| Dimensions | 40 mm *40 mm *66mm | | Ambient temperature | -25℃…70℃ | |
| Output | NO/NC(depends on part number) | | Ambient humidity | 35-95%RH | |
| Supply voltage | 20…250V AC/DC | | Switching frequency [F] | AC:20 Hz | DC: 100 Hz |
| Standard target | Fe 60*60*1t | Fe 120*120*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 | AC:≤300mA | DC: ≤100mA | Housing material | PBT | |
| Residual voltage | AC:≤10V | DC: ≤8V | Connection type | M12 connector | |

## Dimensions




## Wiring diagram

