# Plastic square shape inductive sensors **LE18** series



## Features

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

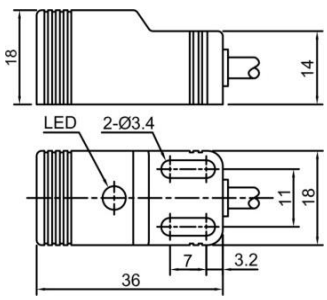
## Part number

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NPN | NO | LE18SF05DNO | LE18SN08DNO | PNP | NO | LE18SF05DPO | LE18SN08DPO |
| NPN | NC | LE18SF05DNC | LE18SN08DNC | PNP | NC | LE18SF05DPC | LE18SN08DPC |

## 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 | 18 *18 *36 mm | | Ambient temperature | -25℃…70℃ | |
| 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 18*18*1t | Fe 24*24*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 | ≤2.5V | | Connection type | 2m PVC cable | |

## Dimensions




## Wiring diagram

