

Plastic square shape inductive sensors **LE18** series


Features

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

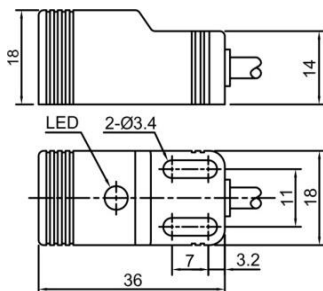
Part number

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

Technical specifications

| | | | | | |
|------------------------------------|-------------------------------|-----------|-----------------------------------|--|-------|
| Mounting | Flush | Non-flush | Leakage current [I _r] | ≤10mA | |
| Rated distance [S _n] | 5mm | 8mm | Circuit protection | Short-circuit, overload and reverse polarity | |
| Assured distance [S _a] | 0...4mm 0...6.4mm | | Output indicator | Yellow LED | |
| Dimensions | 18 mm *18 mm *36 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 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

