

Metal cylindrical shape inductive sensors **LR18X** series



Features

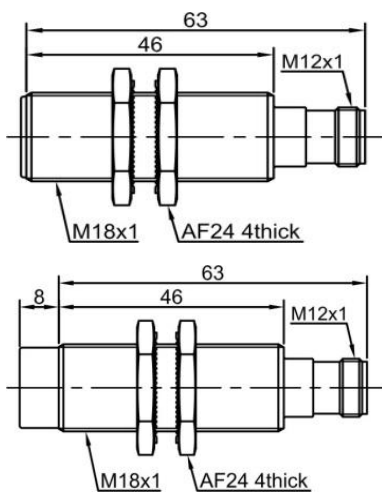
- ◆ Special compensating circuit design,;
- ◆ Wider tempature range -25~+120°C;
- ◆ Perfect choice for metal casting and glass industry etc;



| Part number | | | | | | |
|-------------|------------------|------------------|--------|------------------|------------------|--|
| NPN NO | LR18XBF05DNOW-E2 | LR18XBN08DNOW-E2 | PNP NO | LR18XBF05DPOW-E2 | LR18XBN08DPOW-E2 | |
| NPN NC | LR18XBF05DNCW-E2 | LR18XBN08DNCW-E2 | PNP NC | LR18XBF05DPCW-E2 | LR18XBN08DPCW-E2 | |

| Technical specifications | | | | | |
|---------------------------|-------------------------------|-------------|-------------------------|----------------------|--------|
| Mounting | Flush | Non-flush | Current consumption | ≤15mA | |
| Rated distance [Sn] | 5mm | 8mm | Circuit protection | Reverse polarity | |
| Assured distance [Sa] | 0...4mm | 0...6.4mm | Output indicator | | |
| Dimensions | M18*63mm | M18*71mm | Ambient temperature | -25°C...+120°C | |
| Output | NO/NC(depends on part number) | | Ambient humidity | 35...95%RH | |
| Supply voltage | 10...30 VDC | | Switching frequency [F] | 1000 Hz | 800 Hz |
| 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] | ≤5% | | Degree of protection | IP67 | |
| Load current | ≤100mA | | Housing material | Nickel-copper alloy | |
| Residual voltage | ≤2.5V | | Connection type | M12 connector | |

Dimensions



Wiring diagram

