

Ultrasonic sensor UR30-CM6 series



Features

- ♦ M30 installation threaded sleeve
- ♦ Extended long distance detection
- ♦ Setting detection distance through teach-in lines
- ♦ Temperature compensation

Part number

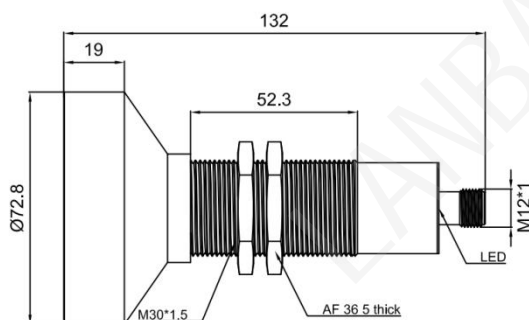
NPN NO/NC UR30-CM6DNB-E2

PNP NO/NC UR30-CM6DPB-E2

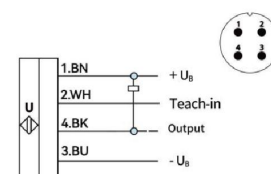
Technical specifications

| | | | |
|---------------------------|--|---------------------|---|
| Sensing range | 350-6000mm | Angle | ±10° |
| Blind area | 0-350mm | Circuit protection | Reverse protection, instantaneous over voltage protection, short circuit protection, overload protection |
| Resolution ratio | 4mm | Output indication | Red LED: No target detected in teach-in state, always on Yellow LED: In normal working mode, the switch status Blue LED: Target detected in teach-in state, flashing Green LED: Power indicator light, always on |
| Repeat accuracy | ±0.15% full scale | Ambient temperature | -25°C...70°C (253-343K) |
| Temperature drift | ≤2% full scale (Built-in temperature drift compensation) | Storage temperature | -40°C...85°C (233-358K) |
| Linearity | < 1% | Material | Nickel plated copper, glass beads mixed with epoxy resin |
| Response time | 300ms | Protection degree | IP67 |
| Standard target | 300×300mm | Connection | M12 4-pin connection |
| Oscillator frequency | About 65KHz | | |
| Rated operational current | ≤200mA | | |
| Supply voltage | 10...30VDC | | |
| No-load current | ≤25mA | | |

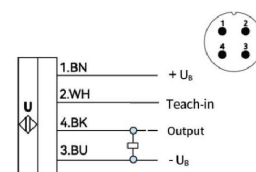
Dimensions



Wiring diagram



NPN Output



PNP Output