# Ultrasonic sensor **UR30-CM6** series

## Features

- M30 installation threaded sleeve
- 1-way NPN or PNP output
- Support RS485 communication
- Setting detection distance by teach-in wire
- The maximum detection distance is up to 6 meters
- Temperature compensation

CE

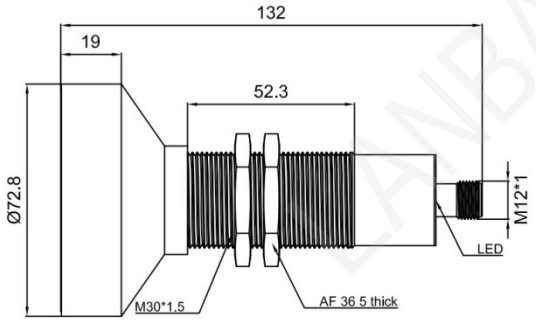
## Part number

| | | | |
|---|---|---|---|
| NPN+RS485 | UR30-CM6DNR4B-E5 | PNP+RS485 | UR30-CM6DPR4B-E5 |

## Technical specifications

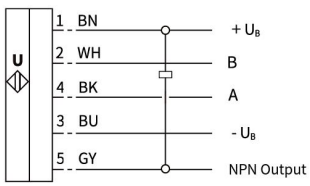
| | | | |
|---|---|---|---|
| Sensing range | 350-6000mm | Circuit protection | Reverse protection, instantaneous over voltage |
| Blind area | 0-350mm | | protection, short circuit protection, |
| Resolution ratio | 4mm | | overload protection |
| Repeat accuracy | ±0.15% full scale | Output indication | Green LED always on: power on |
| Temperature drift | ≤2% full scale (Built-in temperature | | Yellow LED always on: target detected |
| | drift compensation) | | Red LED: Error |
| Linearity | < 1% | | Blue LED: RS485 command received |
| Response time | 300ms | Ambient temperature | -25℃...70℃ (253-343K) |
| Standard target | 300×300mm | Storage temperature | -40℃...85℃ (233-358K) |
| Oscillator frequency | About 65KHz | Material | Nickel plated copper, glass beads mixed with |
| Rated operational current | ≤200mA | | epoxy resin |
| Supply voltage | 10...30VDC | Protection degree | IP67 |
| No-load current | ≤25mA | Connection | M12 5-pin connection |
| Angle | ±10° | | |

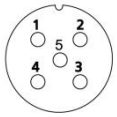
## Dimensions

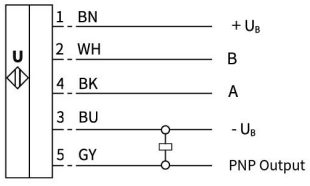



## Wiring diagram

NPN+RS485




PNP+RS485