

## Ultrasonic sensor **UR30-CM6** series



### Features

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

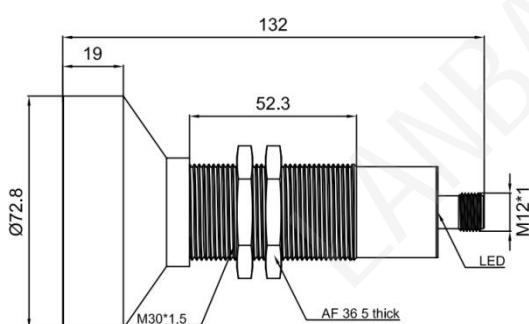
### Part number

NPN NO/NC	UR30-CM6DNB-E2	PNP NO/NC	UR30-CM6DPB-E2
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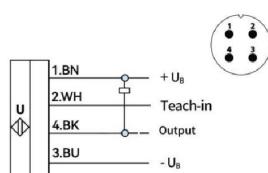
### Technical specifications

Sensing range	350-6000mm	Angle	$\pm 10^\circ$
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
Repeat accuracy	$\pm 0.15\%$ full scale		Yellow LED: In normal working mode, the switch status
Temperature drift	$\leq 2\%$ full scale (Built-in temperature drift compensation)		Blue LED: Target detected in teach-in state, flashing
Linearity	< 1%		Green LED: Power indicator light, always on
Response time	300ms	Ambient temperature	-25°C...70°C (253-343K)
Standard target	300×300mm	Storage temperature	-40°C...85°C (233-358K)
Oscillator frequency	About 65KHz	Material	Nickel plated copper, glass beads mixed with epoxy resin
Rated operational current	$\leq 200\text{mA}$	Protection degree	IP67
Supply voltage	10...30VDC	Connection	M12 4-pin connection
No-load current	$\leq 25\text{mA}$		

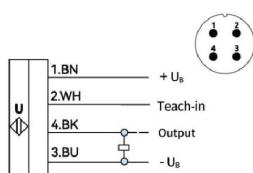
### Dimensions



### Wiring diagram



NPN Output



PNP Output