Metal cylindrical shape photoelectric sensors **PR30SL** series



Features

- ◆Through beam reflection working principle;
- ◆Excellent anti-interference performance
- ◆High detection accuracy

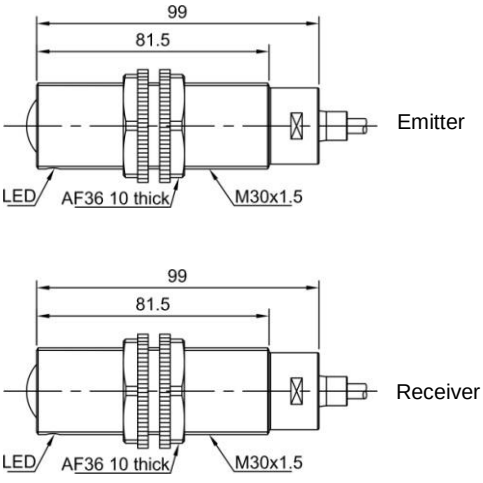
Part number

	Emitter	Receiver
NPN/PNP NO/NC	PR30SL-TM150D	PR30SL-TM150DEB
NPN/PNP NO/NC	PR30SL-TM150D 1001	PR30SL-TM150DEB1001
NPN/PNP NO/NC	PR30SL-TM150D1002	PR30SL-TM150DEB 1002

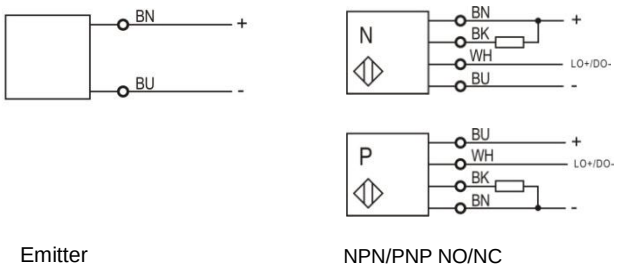
Technical specifications

Detection type	Through beam	Consumption current	≤25mA
Rated distance [Sn]	150m (non-adjustable)	Circuit protection	Short-circuit and reverse polarity
Standard target	＞φ15mm opaque object	Response time	＜8.2ms
Light source	Infrared LED (880nm)	Output indicator	Emitter: Green LED Receiver: Yellow LED
Dimensions	M30*99mm	Ambient temperature	-15℃…+55℃
Output	NO/NC (depends on receiver)	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	10…30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Min target	……	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	……	Vibration resistance	10…50Hz (0.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP67
Load current	≤200mA (receiver)	Housing material	PBT
Residual voltage	≤2.5V (receiver)	Connection type	2m PVC cable

Dimensions



Wiring diagram



Emitter

NPN/PNP NO/NC