Metal cylindrical shape photoelectric sensors **PR18** series



Features

- ◆ Emitter and receiver built in one housing, sensing distance adjustable
- ◆Special optic design, regardless background;
- ◆Super anti-interference to ambient light;

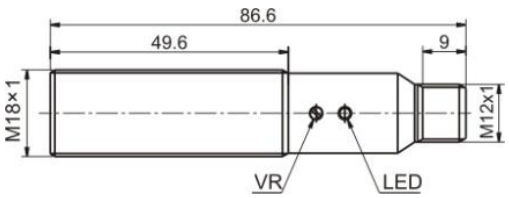
Part number

NPN	NO+NC	PR18-YC10DNR–E2	PNP	NO+NC	PR18-YC10DPR-E2

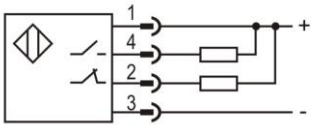
Technical specifications

Detection type	Background suppression	Consumption current	≤35mA
Rated distance [Sn]	10cm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Standard target	Reflection rate: White 90% Black:10%	Response time	< 2ms
Light source	Red LED (680nm)	Output indicator	Yellow LED
Dimensions	M18*86.6mm	Ambient temperature	-15℃…+55℃
Output	NO+NC	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	10…30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
WH&BK color variation	⩽10%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	⩽5%	Vibration resistance	10…50Hz (0.5mm)
Repeat accuracy [R]	⩽3%	Degree of protection	IP67
Load current	⩽200mA	Housing material	Nickel-copper alloy
Residual voltage	⩽2.5V	Connection type	M12 connector

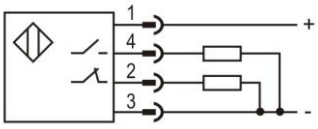
Dimensions



Wiring diagram



NPN NO+NC



PNP NO+NC

