

## Metal cylindrical shape photoelectric sensors PR18 series



## **Features**

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

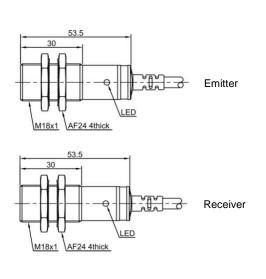




Part number							
	Emitter	Receiver		Emitter	Receiver		
NPN NO	PR18-TM20D	PR18-TM20DNO	PNP NO	PR18-TM20D	PR18-TM20DPO		
NPN NC	PR18-TM20D	PR18-TM20DNC	PNP NC	PR18-TM20D	PR18-TM20DPC		
NPN NO+NC	PR18-TM20D	PR18-TM20DNR	PNP NO+NC	PR18-TM20D	PR18-TM20DPR		

Technical specifications						
Detection type	Through beam	Consumption current	≤25mA			
Rated distance [Sn]	20m (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	M18*53.5mm	Ambient temperature	-15°C+55°C			
Output	NO/NC (depends on receiver)	Ambient humidity	35-85%RH (non-condensing)			
Supply voltage	1030 VDC	Voltage withstand	1000V/AC 50/60Hz 60s			
Min target		Insulation resistance	≥50MΩ(500VDC)			
Hysteresis range [%/Sr]		Vibration resistance	1050Hz (0.5mm)			
Repeat accuracy [R]	≤5%	Degree of protection	IP67			
Load current	≤200mA (receiver)	Housing material	Nickel-copper alloy			
Residual voltage	≤2.5V (receiver)	Connection type	2m PVC cable			

## **Dimensions**



## Wiring diagram

