

Metal cylindrical shape photoelectric sensors PR18S series



Features

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

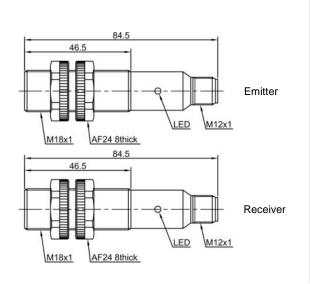


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Part number						
	Emitter	Receiver			Emitter	Receiver
AC 2 wires NO	PR18S-TM10A-E2	PR18S-TM10ATO-E2	AC 2 wires	NC	PR18S-TM10A-E2	PR18S-TM10ATC-E2

Technical specifications						
Detection type	Through beam	Consumption current	≤3mA(receiver)			
Rated distance [Sn]	10m (non-adjustable)	Circuit protection				
Standard target	>φ15mm opaque object	Response time	< 50ms			
Light source	Infrared LED (880nm)	Output indicator	Emitter: Green LED Receiver: Yellow LED			
Dimensions	M18*84.5mm	Ambient temperature	-15°C+55°C			
Output	NO/NC (depends on receiver)	Ambient humidity	35-85%RH (non-condensing)			
Supply voltage	20250 VAC	Voltage withstand	2000V/AC 50/60Hz 60s			
Min target		Insulation resistance	≥50MΩ(500VDC)			
Hysteresis range [%/S	r]	Vibration resistance	1050Hz (0.5mm)			
Repeat accuracy [R]	≤5%	Degree of protection	IP67			
Load current	≤300mA (receiver)	Housing material	PBT			
Residual voltage	≤10V (receiver)	Connection type	M12 Connector			

Dimensions



Wiring diagram

