额定规格/性能 Ratings and Specifications

标准型(塑料外观) Standard (Plastic Housing)

Sensing mode(检测方式)	Through beam reflection(对射型)	Retro reflection(回归反射型)	Diffuse reflection(漫反射型)
Model(型号)	PT18V-T20B□A(Receiver)/接收	PT18V-R03B□A/R	PT18V-D50B□AR
	PT18V-T20B□O(Receiver)/接收	PT18V-R03B□O/R	PT18V-D50B□OR
	PT18V-T20B□C(Receiver)/接收	PT18V-R03B□C/R	PT18V-D50B□CR
	PT18-T20BE(Emitter)/发射	———	———
Sensing distance(检测距离)	20m	0.1-3m	50cm Adjustable potentiometer/(电位器可调)
Standard target(标准检测体)		Optical diffuser plate 40X60 反光板	White paper200X200mm 白纸
Output mode(输出方式)	N:NPN P:PNP		
Output state(输出状态)	DC 3 wire线 : NO/NC， DC 4 wire线: NO、NC设定		
Sensing material(检测物体)	> Φ7mm Opaque object不透明体	>Φ75mm Opaque object 不透明体	
Light source(光源)	Infrared light 850nm(红外光850nm)	Infrared light 850nm(红外光850nm)	Red light 660nm(红光660nm)
		Red light 660nm(红光660)	
Power supply(电源电压)	DC12~24V,impulse脉动(P-P) <10% (DC10-30V)		
Current consumption (消费电流)	Emitter:<20mA (投光器：20mA以下)	<20mA	
	Receiver:<15mA (受光器：15mA以下)		
Load current(负载电流)	≤100mA(overload protection)/≤100mA(带过载保护)		
Circuit protection(回路保护)	Short-circuit protection, reverse connection protection(短路保护,电源逆接极性保护)		
Response frequency(响应频率)	200Hz		
Response time(响应时间)	<1ms		
Differential travel(应差距离)	—	—	20%max
Pointing angle (指向角)	3~15°	2~10°	—
Indicator light (指示灯)	Output:Red LED, Power:Green LED(动作指示:红色指示灯,电源指示:绿色指示灯)		
Connection(连接方式)	Cable2m-PVC-terminal/标准导线长2米PVC-可配端子		
Ambient temperature(环境温度)	Work:-25℃~+55℃ store:-40℃~+70℃,iced forbidden/(使用时:-25℃~+55℃ 保存时:-40℃~+70℃,不结冰)		
Ambient humidity(环境湿度)	Work:35~85%RH store:35~95%RH,dewde forbidden/(使用时:35~85%RH 保存时:35~95%RH,不结露)		
Ambient illumination(环境照明)	sunlight:10,000Lx lamplight:3,000Lx、/太阳光:10,000Lx 白炽灯:3000Lx		
Withstand voltage(耐压)	1000VAC,50/60Hz 1min(1000VAC,50/60Hz 1min充电部整体与外壳间)		
Insulation resistance(绝缘强度)	>20MΩ (DC500V megger) /20MΩ以上(DC500V摇表)充电部整体与外壳间		
Anti-vibration(耐振动)	10～55 Hz, double-amplitude 1.5mm ,X,Y,Z(2H)/10～55 Hz, 复振幅 1.5mm ,X,Y,Z(2H)		
Anti-impact(耐冲击)	Approx100G(1000m/S²),X,Y,Z(3 times)/大约100G(1000m/S²),X,Y,Z(各方向3 次)		
Protection degree(防护等级)	IP64		
Housing material(材质)	Housing壳体: ABS Lens透镜: PMMA		

Dimension(尺寸图)
(Unit/单位:mm)

Through beam reflection对射型

Retro reflection回归反射型
Diffuse reflection漫反射型

CAD数据

