

Photo IC Sensor

Type No.	Interruptive type				Diffused reflective type	Limited reflective type	Photo interrupters
	KIP-TS13 KIP-TS13A	KIP-TSV13G	KIP-TSH13 KIP-TSH13A	KIP-TSV13 KIP-TSV13A			
Detecting distance	3~100cm	3~130cm	3~100cm(with slit 0~15cm)		30~+-10cm	10 +10mm -7mm	GAP 5mm
Minimum detecting object	4mm	4mm	4mm(with slit 1.5mm)		10*10mm white paper		slit 0.5*2mm
Supply voltage range	DC5~8V +-10% Ripple 5% Max.				DC 5V		
Current consumption	Max. 45mA						
Response time	Max. 0.15ms						
Output	Dark ON			Light ON		Dark ON	
Control output	NPN Open collector load current 30mA:VCE=0.8V<100mA:VCE=0.8V>						
LED	Infrared		Red			Infrared	
Angle	3~10deg.				-	-	-
Hysteresis	-	-	-	-	Max. 10%		
Operation indicator	-	Green	Red				
Ambient illuminance	Incandescent lamp Max. 3,000 lx.						
Case material	Plastic						
Protective construction	Dustproof type [IP60]	Dripproof type [IP 65]			Dustproof type [IP 50]	Standard type [IP 40]	
Connection system	3 leads cord	3 leads cord	3 leads cord 2m				
Sensitivity adjustment	-	-	-	-	o	-	-
Operating temperature	-20c~55c No freezing is allowed						
Storage temperature	-40c~+75c						
Vibration endurance	10~55Hz P-P amplitude 1.5mm X,Y, and Z directions 2hours						
Shock endurance	500m/s X,Y, and Z directions 3times						
Fault diagnosis function	o	o	o	o	-	-	-

admatec

Schareggstrasse 3, CH-5506 Mägenwil
Tel. +41 62 896 00 48, Fax. +41 62 896 25 80
info@admater.ch, www.admater.ch