





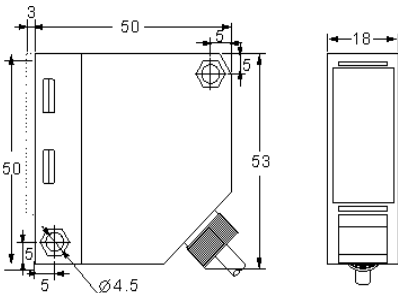
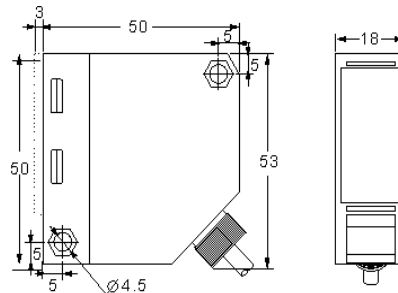


DC PHOTOELECTRIC SENSOR (FP50)

Type	FP50	FP50	
Sensing Mode	Diffuse mode	Diffuse mode	
Sensing Picture			
Switching Distance (Sn)	100mm-400mm	200mm-1000mm	
Picture			
Nominal Voltage	10-30VDC	10-30VDC	
Residual Ripple	<10%	<10%	
Tolerance	±10%Sn	±10%Sn	
Hysteresis	10%	10%	
Emission	Infrared(880nm)	Infrared(880nm)	
Output	NPN or PNP (Programmable)	NPN or PNP (Programmable)	
Contact	N.O or N.C. (Programmable)	N.O or N.C. (Programmable)	
Max. Output Current	200mA	200mA	
Absorption at 30VDC	<40mA	<40mA	
Voltage Drop(Sensor On)	<2.0V (I=100mA)	<2.0V (I=100mA)	
Yellow LED	Output indicator	Output indicator	
Green LED	Supply indicator	Supply indicator	
Sensitivity Adjustment	Trimmer 1 turn	Trimmer 1 turn	
SWitching Frequency	200Hz	200Hz	
Response Time	5mS	5mS	
Start up Delay	<100ms	<100ms	
Short Circuit Protection	Yes	Yes	
Reverse Polarity Pretction	Yes	Yes	
Temperature Limits	-10 ~ +60℃	-10 ~ +60℃	
Light Immunity	>10.000Lux	>10.000Lux	
Protection Degree	IP65	IP65	
Housing Material	PBT	PBT	
Sensing object	10x10cm white paper	10x10cm white paper	
Part Number	Through-beam mode (Emitter)		
	Through-beam mode (Receiver)		
	Diffuse mode	F1PD-Q500400DS-I4A2	C1
	Retro-reflective mode		
	Retro-reflective mode(with polarizing filters)		
Wiring Diagram			
Dimensions (unit: mm)			
Terminal Version	2M Cable (4x0.15mm ²)	2M Cable (4x0.15mm ²)	
Weight	Approx. 160g	Approx. 160g	

Subject to modifications without notice

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