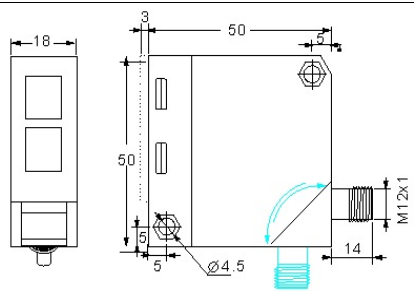
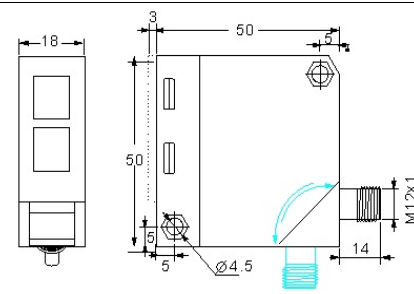


DC PHOTOELECTRIC SENSOR (FP50)

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		20x20cm white paper	
Part Number	Through-beam mode (Emitter)				
	Through-beam mode (Receiver)				
	Diffuse mode	F1PD-Q500400DS-IEA4	C3	F1PD-Q501000DS-IEA4	C3
	Retro-reflective mode				
	Retro-reflective mode(with polarizing filters)				
Wiring Diagram					
Dimensions (unit: mm)					
Terminal Version		M12 Euro-style		M12 Euro-style	
Weight		Approx. 35g		Approx. 35g	

Subject to modifications without notice

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