





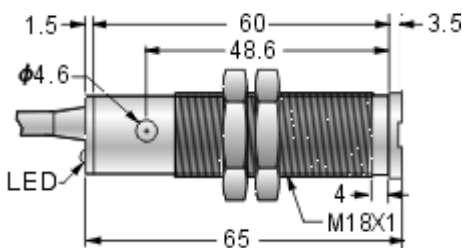
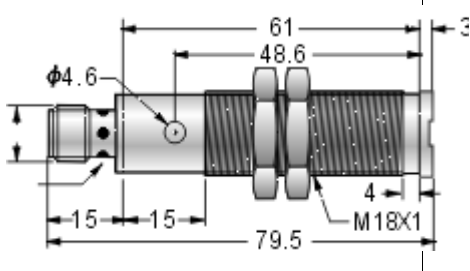


DC WITH N.O.+N.C. PROGRAMME OUTPUT PHOTOELECTRIC SENSOR (FM18A)

Type	FM18A		FM18A		
Sensing Mode	Diffuse mode		Diffuse mode		
Sensing Picture					
Switching Distance (Sn)	500mm		500mm		
Picture					
	CE		CE		
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(Programable)		NPN or PNP(Programable)		
Contact	N.O. & N.C.(Programable)		N.O. & N.C.(Programable)		
Max. Output Current	200mA		200mA		
No Load Current	30mA or less		30mA or less		
Voltage Drop(Sensor On)	<2.5V		<2.5V		
Sensitivity Adjustment	Trimmer 1 tum		Trimmer 1 tum		
Response Time	1mS		1mS		
Short Circuit Protection	Yes		Yes		
Electric Protections	Yes		Yes		
Temperature Limits	-25 ~ +55℃		-25 ~ +55℃		
Ambient Humidity	35 to 85% RH		35 to 85% RH		
Light Immunity	>10.000Lux		>10.000Lux		
Protection Degree	IP67		IP67		
Housing Material	PBT Plastic or Nickel Plated Brass		PBT Plastic or Nickel Plated Brass		
Sensing object	20x20cm white paper		20x20cm white paper		
Brass Housing	Emitter				
	NPN N.O. + N.C.	F1BD-M180500NS-I4A2-A	A24	F1BD-M180500NS-IEA4-A	A25
	PNP N.O. & N.C.	F1BD-M180500PS-I4A2-A	A26	F1BD-M180500PS-IEA4-A	A27
Plastic Housing	Emitter				
	NPN N.O. + N.C.	F1PD-M180500NS-I4A2-A	A24	F1PD-M180500NS-IEA4-A	A25
	PNP N.O. & N.C.	F1PD-M180500PS-I4A2-A	A26	F1PD-M180500PS-IEA4-A	A27
Wiring Diagram					
Dimensions (unit: mm)					
Terminal Version	2M PVC (3x0.15mm ²)		M12 Euro Style		
Weight	Approx.112g		Approx. 75g		

Subject to modifications without notice

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