





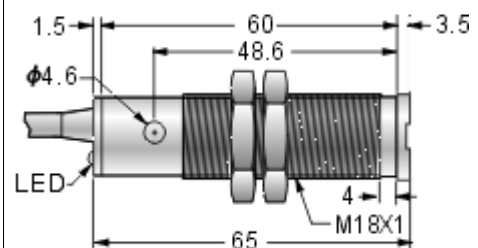
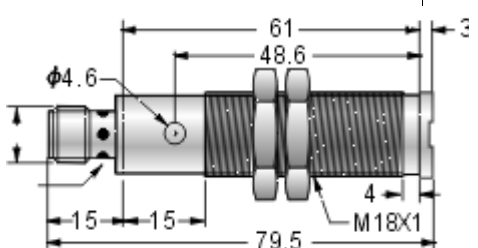


# DC WITH LIGHT ON OR DARK ON PROGRAMMABLE OUTPUT PHOTOELECTRIC SENSOR (FM18)

Type		FM18		FM18	
Sensing Mode		Retro-reflective mode		Retro-reflective mode	
Sensing Picture					
Switching Distance (Sn)		3M		3M	
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(Programable)		NPN or PNP(Programable)	
Contact		Light ON or Dark ON(Programable)		Light ON or Dark ON(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 turn		Trimmer 1 turn	
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		D51 Reflector		D51 Reflector	
Brass Housing	Emitter				
	NPN Light ON or Dark ON	F1BL-M183000NS-I4A2	A18	F1BL-M183000NS-IEA4	A19
	PNP Light ON or Dark ON	F1BL-M183000PS-I4A2	A20	F1BL-M183000PS-IEA4	A21
Plastic Housing	Emitter				
	NPN Light ON or Dark ON	F1PL-M183000NS-I4A2	A18	F1PL-M183000NS-IEA4	A19
	PNP Light ON or Dark ON	F1PL-M183000PS-I4A2	A20	F1PL-M183000PS-IEA4	A21
Wiring Diagram					
Dimensions (unit: mm)					
Terminal Version		2M PVC (3x0.15mm2)		M12 Euro Style	
Weight		Approx.112g		Approx. 75g	

Subject to modifications without notice

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