





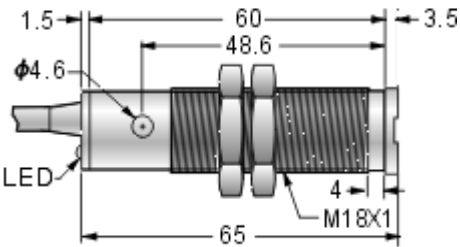
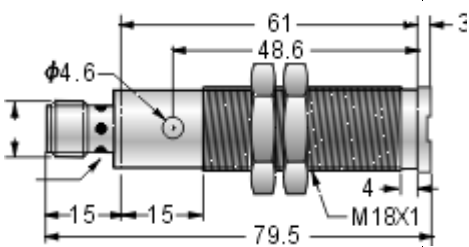


DC WITH LIGHT ON OR DARK ON PROGRAMMABLE OUTPUT PHOTOELECTRIC SENSOR (FM18)

Type	FM18			FM18		
Sensing Mode	Through-beam mode			Through-beam mode		
Sensing Picture						
Switching Distance (Sn)	15M			15M		
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			NPN or PNP		
Contact	Light ON or Dark ON			Light ON or Dark ON		
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	φ8mm or more			φ8mm or more		
Brass Housing	Emitter	F1BT-M18015MDE-I3B2	A22	F1BT-M18015MDE-IEB4	A23	
	NPN Light ON or Dark ON	F1BT-M18015MNS-I4A2	A18	F1BT-M18015MNS-IEA4	A19	
	PNP Light ON or Dark ON	F1BT-M18015MPS-I4A2	A20	F1BT-M18015MPS-IEA4	A21	
Plastic Housing	Emitter	F1PT-M18015MDE-I3B2	A22	F1PT-M18015MDE-IEB4	A23	
	NPN Light ON or Dark ON	F1PT-M18015MNS-I4A2	A18	F1PT-M18015MNS-IEA4	A19	
	PNP Light ON or Dark ON	F1PT-M18015MPS-I4A2	A20	F1PT-M18015MPS-IEA4	A21	
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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