





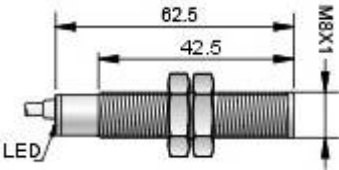
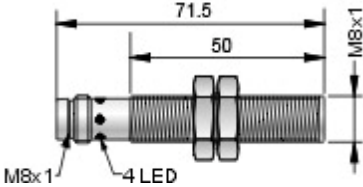


DC PHOTOELECTRIC SENSOR (FM8)

Type	FM8		FM8		
Sensing Mode	Through-beam mode		Through-beam mode		
Sensing Picture					
Switching Distance (Sn)	80mm		80mm		
Picture	 CE		 CE		
Nominal Voltage	10-30VDC		10-30VDC		
Residual Ripple	<10%		<10%		
Tolerance	±10%Sn		±10%Sn		
Hysteresis	10%		10%		
Emission	Red(660nm)		Red(660nm)		
Output	NPN or PNP		NPN or PNP		
Contact	Light ON or Dark ON		Light ON or Dark ON		
Max. Output Current	150mA		150mA		
No Load Current	30mA or less		30mA or less		
Voltage Drop(Sensor On)	<2.5V		<2.5V		
Sensitivity Adjustment	-		-		
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	Stainless Steel or Nickel Plated Brass		Stainless Steel or Nickel Plated Brass		
Sensing object	φ8mm or more		φ8mm or more		
Brass Housing	Emitter	F1BT-M080080DE-R2B2	A5	F1BT-M080080DE-RPB4	A6
	NPN Light ON	F1BT-M080080NL-R3A2	A1	F1BT-M080080NL-RPA4	A2
	NPN Dark ON	F1BT-M080080ND-R3A2	A1	F1BT-M080080ND-RPA4	A2
	PNP Light ON	F1BT-M080080PL-R3A2	A3	F1BT-M080080PL-RPA4	A4
	PNP Dark ON	F1BT-M080080PD-R3A2	A3	F1BT-M080080PD-RPA4	A4
Stainless Steel	Emitter	F1ST-M080080DE-R2B2	A5	F1ST-M080080DE-RPB4	A6
	NPN Light ON	F1ST-M080080NL-R3A2	A1	F1ST-M080080NL-RPA4	A2
	NPN Dark ON	F1ST-M080080ND-R3A2	A1	F1ST-M080080ND-RPA4	A2
	PNP Light ON	F1ST-M080080PL-R3A2	A3	F1ST-M080080PL-RPA4	A4
	PNP Dark ON	F1ST-M080080PD-R3A2	A3	F1ST-M080080PD-RPA4	A4
Wiring Diagram					
Dimensions (unit: mm)					
Terminal Version	2M PVC (3x0.15mm2)		M8 Pico-style		
Weight	Approx. 60g		Approx. 35g		

Subject to modifications without notice

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Sensing the future