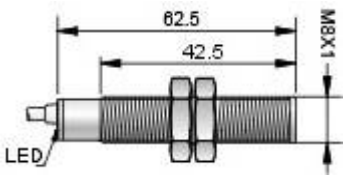
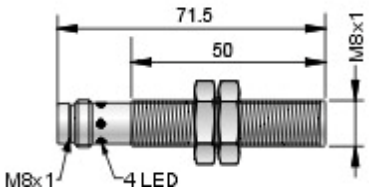
DC PHOTOELECTRIC SENSOR (FM8)

Type		FM8		FM8	
Sensing Mode		Througn-beam mode		Througn-beam mode	
Sensing Picture					
Switching Distance (Sn)		150mm		150mm	
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		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-M080150DE-I2B2	A5	F1BT-M080150DE-IPB4	A6
	NPN Light ON	F1BT-M080150NL-I3A2	A1	F1BT-M080150NL-IPA4	A2
	NPN Dark ON	F1BT-M080150ND-I3A2	A1	F1BT-M080150ND-IPA4	A2
	PNP Light ON	F1BT-M080150PL-I3A2	A3	F1BT-M080150PL-IPA4	A4
	PNP Dark ON	F1BT-M080150PD-I3A2	A3	F1BT-M080150PD-IPA4	A4
Stainless Steel	Emitter	F1ST-M080150DE-I2B2	A5	F1ST-M080150DE-IPB4	A6
	NPN Light ON	F1ST-M080150NL-I3A2	A1	F1ST-M080150NL-IPA4	A2
	NPN Dark ON	F1ST-M080150ND-I3A2	A1	F1ST-M080150ND-IPA4	A2
	PNP Light ON	F1ST-M080150PL-I3A2	A3	F1ST-M080150PL-IPA4	A4
	PNP Dark ON	F1ST-M080150PD-I3A2	A3	F1ST-M080150PD-IPA4	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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