





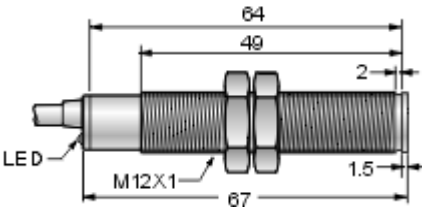
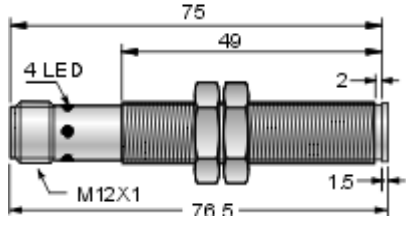


DC PHOTOELECTRIC SENSOR (FM12)

Type		FM12		FM12	
Sensing Mode		Through-beam mode		Through-beam mode	
Sensing Picture					
Switching Distance (Sn)		5.2M		5.2M	
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		PBT Plastic or Nickel Plated Brass		PBT Plastic or Nickel Plated Brass	
Sensing object		φ8mm or more		φ8mm or more	
Brass Housing	Emitter	F1BT-M125200DE-I3B2	A11	F1BT-M125200DE-IPB4	A13
	NPN N. O.	F1BT-M125200NL-I3A2	A7	F1BT-M125200NL-IPA4	A10
	NPN N. C.	F1BT-M125200ND-I3A2	A7	F1BT-M125200ND-IPA4	A10
	PNP N. O.	F1BT-M125200PL-I3A2	A8	F1BT-M125200PL-IPA4	A10
	PNP N. C.	F1BT-M125200PD-I3A2	A8	F1BT-M125200PD-IPA4	A10
Plastic Housing	Emitter	F1PT-M125200DE-I2B2	A11	F1PT-M125200DE-IPB4	A10
	NPN N. O.	F1PT-M125200NL-I3A2	A7	F1PT-M125200NL-IPA4	A10
	NPN N. C.	F1PT-M125200ND-I3A2	A7	F1PT-M125200ND-IPA4	A10
	PNP N. O.	F1PT-M125200PL-I3A2	A8	F1PT-M125200PL-IPA4	A10
	PNP N. C.	F1PT-M125200PD-I3A2	A8	F1PT-M125200PD-IPA4	A10
Wiring Diagram					
Dimensions (unit: mm)					
Terminal Version		2M PVC (3x0.15mm2)		M8 Pico-style	
Weight		Approx. 67g		Approx. 40g	

Subject to modifications without notice

Tel: +86-755-2646 7962

Fax: +86-755-2646 7925

MSN: dfan852@hotmail.com

Web: www.mountiger.com

E-mail: sales@mountiger.com

QQ: 873764592


Sensing the future