

# Current Transducer/Sensor



## SA1 Frequency Transducer

### FEATURES

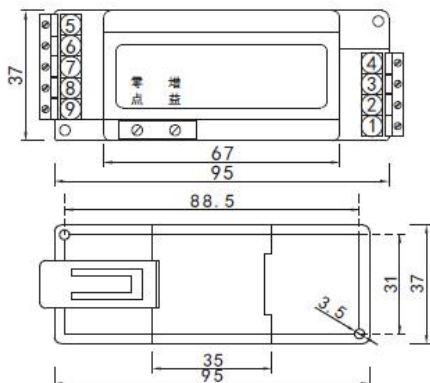
- \*Transforms the measured AC voltage frequency into the standard DC voltage or DC current output according to the linear proportion
- \*SCM technology, precise latest algorithm can achieve the precise measurement of the AC circuit frequency
- \*Excellent anti-interference ability and high accuracy (0.5%)
- \*Voltage terminal insert, standard din rail(35mm) mounting
- \*Small size, dimension(mm): 95(L)×37(W)×32(H)
- \*Power supply can use universally in 11V~30V

### MODEL

LF-F11-  A1-0.2 / 

Model selection1: LF-F11-54A1-0.2/0~10KHZ(0~100V)  
 Explanation: this product is a 0~100V voltage grade, 0~10KHZ input range, 4~20mA output, 24V power supply, A1 style frequency transducer.

### DIMENSION DIAGRAM



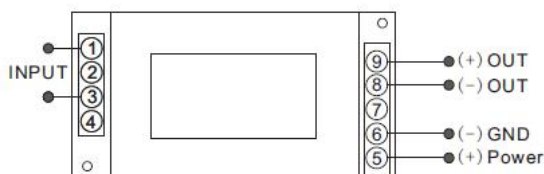
### ELECTRICAL DATA

- \* Standards: GB/T13850-1998, IEC688:1992
- \* Input Range: 0~10KHZ(0~500V) is optional
- \*Accuracy Grade:  $\leq 0.5\%$ .F.S
- \* Temperature Characteristics:  $\leq 50\text{PPM}/^\circ\text{C}$ (0~50 $^\circ\text{C}$ )
- \* Power Consumption:  $\leq 0.3\text{VA}$
- \* Working Stability: annual change  $< 0.2\%$
- \* Isolation Withstanding Voltage : AC2.0KV/min\*1mA between input/output/power
- \* Isolation Resistance:  $\geq 20\text{M}\Omega$ (DC500V)
- \* Impulse Voltage: 5KV(peak value), 1.2/50uS
- \* Response Time:  $\leq 300\text{mS}$
- \*Load Capacity: 2 times current continuous
- \* Working Environment: -10 $^\circ\text{C}$  ~50 $^\circ\text{C}$  , 20%~90% without condensation
- \* Storage Environment: -40 $^\circ\text{C}$  ~70 $^\circ\text{C}$  , 20%~95% without condensation

### MODEL REMARKS

A---Output
3: 0~5V
4: 0~20mA
5: 4~20mA
6: 1~5V
B---Power supply
2: 12V±10%
3: 15V±10%
4: 24V±15%
C---Frequency voltage input range

### CONNECTION DIAGRAM



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