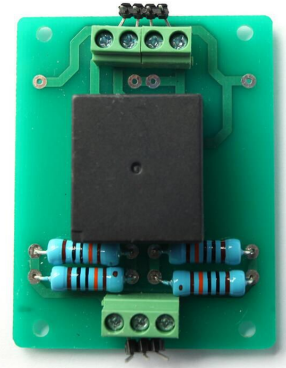


MCT-VT-A12/24 系列电压变送器的初、次级之间是绝缘的，可用于测量交流和脉冲电压。

MCT-VT-A12/24 series hall effect voltage transmitter is the measuring principle of the hall effect, with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed Currents.



## 电参数 Electrical data(Ta=25℃±5℃)

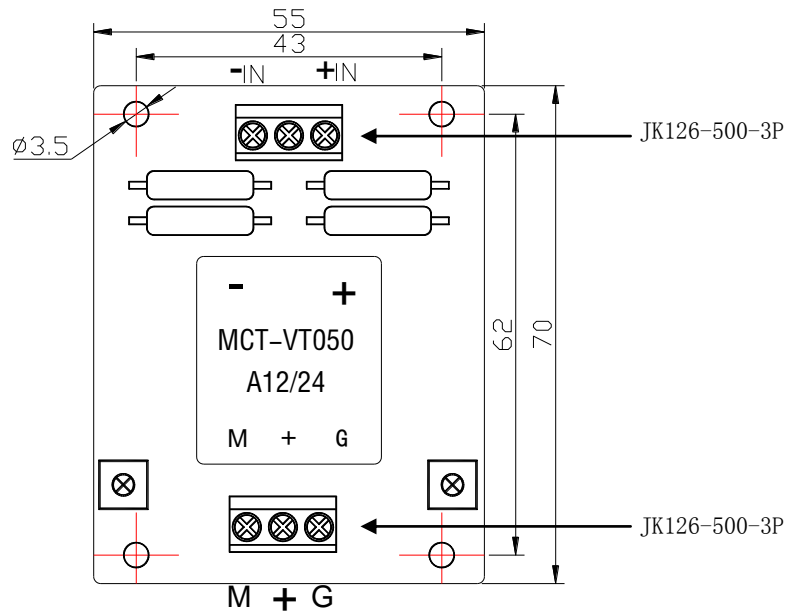
参数 Parameter	型号 Type	MCT-VT050 A12/24	MCT-VT100 A12/24	MCT-VT200 A12/24	MCT-VT300 A12/24	MCT-VT400 A12/24	MCT-VT500 A12/24	单位 Unit
额定输入电压 (AC V <sub>pn</sub> ) Rated input (AC V <sub>pn</sub> )		50	100	200	300	400	500	V
测量电压范围 (AC V <sub>p</sub> ) Measure range (AC V <sub>p</sub> )		100	200	400	600	800	1000	V
额定输出电流 (DC I <sub>sn</sub> ) Rated output (DC I <sub>sn</sub> )		4~20 (0~20)						mA
匝比 (N <sub>p</sub> /N <sub>s</sub> ) Turns ratio (N <sub>p</sub> /N <sub>s</sub> )		3333:1000						T
额定输入电流 (I <sub>pn</sub> ) Rated input (I <sub>pn</sub> )		3.0						mA
电源电压 Supply voltage		12/24±5%						V
功耗电流 Power consumption		20+I <sub>p</sub> X(N <sub>p</sub> /N <sub>s</sub> ) + I <sub>sn</sub>						mA
零点电流 Zero current		4(0)±0.2						mA
失调电流温漂 Offset current drift	@ -40℃~+85℃	≤±0.005						mA/℃
线性度 Linearity	@V <sub>p</sub> =0-±V <sub>pn</sub>	≤0.2						%FS
响应时间 Response time		≤20						mS
带宽 Bandwidth		20~10000						KHZ
绝缘电压 Galvanic isolation	@ 50HZ, AC, 1min	2.5						KV

## 应用 Applications

- 交流变速与伺服马达驱动器 AC variable speed drives and servo motor drives
- 直流电机驱动静态转换器 Static converters for DC motor drives
- 变频调速系统 Variable speed drives
- 电焊机 Power supplies for welding applications
- 通讯电源 Battery supplied applications
- 不间断电源 UPS Uninterruptible Power Supplies (UPS)
- 开关电源 Switched Mode Power Supplies(SMPS)

## 结构参数 Mechanical dimension(for reference only)

1. All dimensions are in mm.
2. General tolerance  $\pm 1\text{mm}$ .



## 使用说明 Directions for use

1. 当待测电压从变送器穿过，即可在输出端测得电流大小。(注意：错误的接线可能导致变送器损坏)

When the current will be measured goes through a transmitter, the current will be measured at the output end.

(Note: The false wiring may result in the damage of the transmitter).

2. 变送器的输出幅度可根据用户需要进行适当调节。

Customs can adjust output amplitude of the transmitter by needs.

3. 可按用户需求定制不同额定输入电压和输出电压的变送器。

Custom design in the different rated input current and the output voltage are available.

## 执行标准 Standards

- UL94-V0.
- EN60947-1:2004
- IEC60950-1:2001
- EN50178:1998
- SJ 20790-2000

## 总体参数 General date

	数值 Value	单位 Unit	符号 Symbol
工作温度 Operating temperature	-40 to +85	°C	TA
储存温度 Storage temperature	-40 to +125	°C	TS
毛重(约) Mass(approx)	43	g	M