BADGER GLOBAL COMPONENTS
1510 Sylvania Ave., WI 53177 262-884-9087
Fax 262-884-9082 sales@badgerglobal.net

AC Current Transducer CVC100..500A

I_{PN}=10..50A

Transducer for the electronic measurement of AC sinusoidal waveforms, with galvanic isolation between the primary (High power) and the secondary circuit (Electronic circuit). Jumper selectable ranges and self powered transducers.

RoHS COMPLIANT

● *Operating performances* (AT =25 ℃)

Model		CVC100A	CVC200A	CVC300A	CVC500A
Primary current	I_P (A)	10	20	30	50
Output signal	V_{OUT}	0~5 Vdc			
Max.signal out		12 Vdc			
Supply voltage	V_{CC}	Self Powered			
Load resistance	R_L	1 MΩ			
Accuracy	ε_L	±0.5 %			
Ripple		＜1 %			
Response time	tr	＜250 @10-90% FS ms			
RMS Isolation voltage test, 50Hz,1min	X	2.5 KV			
Frequency*	f	50-400 Hz			

● *General data*

Operating temperature	T_O	-30～+60℃
Storage temperature	T_S	-55～+85℃
Mass	m	60g
Note		Insulated plastic case recognized according to UL 94-V0

● *Features*

- ◆AC sinusoidal measurement
- ◆Average responding
- ◆Voltage output
- ◆Self powered transducers
- ◆Panel mounting

● *Applications*

◆ Automation systems	Analog current reading for remote monitoring(e.g.motor) .
◆Data loggers	Self-powered transducer does not drain data logger batteries.
◆Panel meters	Simple connection displays power consumption.

● *Advantages*

- ◆Large aperture
- ◆Easy to mount
- ◆High isolation between primary and secondary circuits

＊ All specifications for operation at 60 Hz

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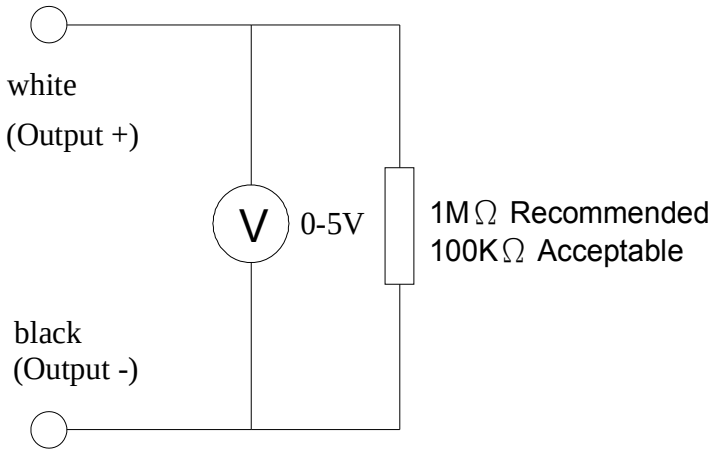
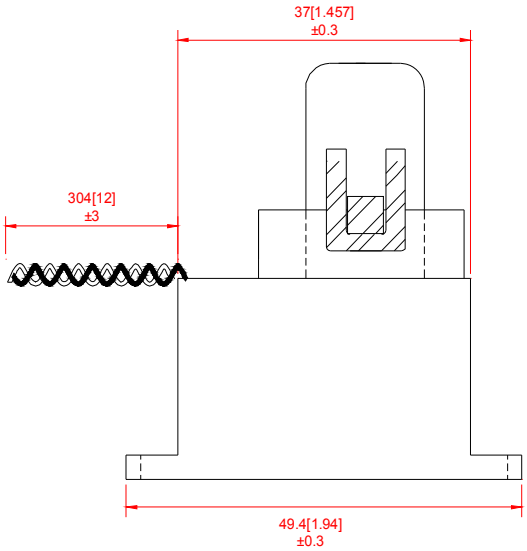
Conections

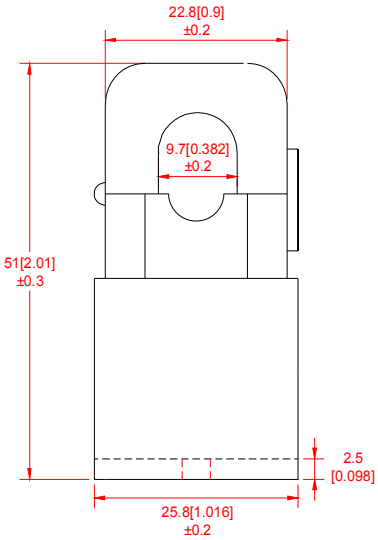


Dimensions (unit: mm/inch)

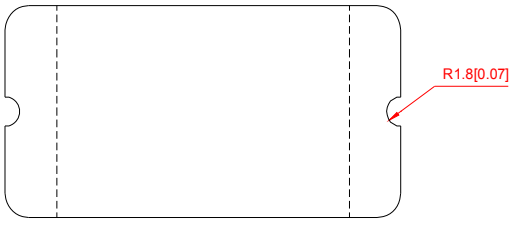
Front view



Left view



Bottom view



wire note:

white: Positive output(+)
black: Negative output(-)

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