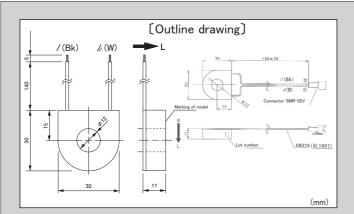
ϕ 12, miniaturized AC current sensor of wire type for output



Model CTL-12L-30 · CTL-12L-1

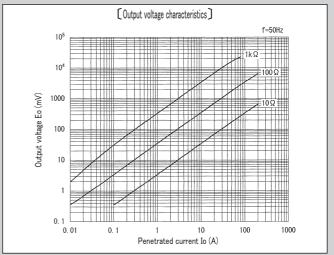
(Features)

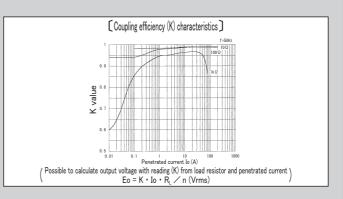
- Enlarged primary current 180A max with high current ratio of 3000:1
- lacktriangle Miniaturized design as slimmed outline and mass, with keeping ϕ 12 for aperture diameter
- ●Wire type for output, and easy for assembling with any connector or extended wire (CTL-12L-1 is the connector type.)
- Possible to correspond to structure of pin terminal for PCB mounting

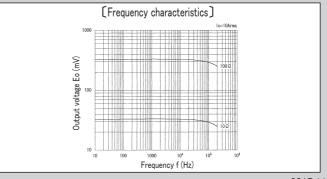


[Specification] Ta=25°C	
Model	CTL-12L-30·CTL-12L-1
Primary current	$0.1 \sim 180 \text{Arms} (50 / 60 \text{Hz}), \text{RL} \leq 10 \Omega$
Maximum primary current	200Arms continuous
Output characteristics	Refer "Output voltage characteristics"
Linearity	Refer "Coupling efficiency [K] characteristics" (Use the flat range of [K] characteristic in the application as the linear sensor)
Secondary windings (n)	3000±2 turn
Secondary windings resistance	210Ω (reference)
Withstand voltage	AC2000V(50/60Hz), 1min(between aperture and output wire in a lump)
Insulation resistance	DC500V, ≧100MΩ (between aperture and output wire in a lump)
Operating temperature	-20°C∼ +75°C , ≦80%RH, no condensation
Storage temperature	-30°C∼ +90°C , ≦80%RH, no condensation
Structure	PBT plastic case
Output wire	UL1007 Vinyl wire(AWG26X1400)
Output connector	Pin contact : SYM-001T-P0.6 Receptacle housing : SMR-02V-B (JST) ※Only for CTL-12L-1
Mating connector	Socket contact : SHF-001T-0.8BS Plug housing : SMP-02V-BC、NC (JST) (Not included)
Mass	approximately 20g
Remark (1) Free direction for setting, Fastening with plastic band, if fixing,	

- - (2) Opening the secondary during turn ON is hazardous and the cause of failure, because of generating high voltage
 - (3) Please surely ask to our technical consulting service, if the power measurement is thought.
 - (4) Please be careful of CT heating in case to use with high frequency, although this CT is basically used at $50/60\mbox{Hz}.$







2017.11