Precision Purpose CTL-Z series

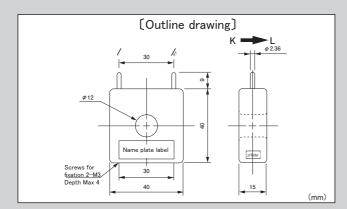
Medium size high accuracy AC current sensor for precise measurement for both of PCB and panel mounting



Model CTL-12-S60-7Z

(Features)

- ●Dimension and shape compatible model with medium size standard model (CTL-12-S30-10Z) of ϕ 12 aperture diameter for precise measurement
- Covering the wide range of 0.5mA~100A with enlarged core section
- Possible to interface to electrical circuit directly by small secondary current with high current ratio of 720:1
- Robust structure with output terminal of round pins (ϕ 2.36X9 ℓ). Possible to correspond to soldering to wire, and connector set, sold separately
- ●Prepared mounting bracket sold separately (HLD-12) for panel mounting



[Specification] Ta=25°C	
CTL-12-S60-7Z	
0.5 mA ~ 100 Arms ($50 \nearrow 60$ Hz), R L $\leq 10 \Omega$	
230Arms continuous	
200Arms (50 ∕ 60Hz)、R∟≦1Ω	
Refer "Output voltage characteristics"	
Refer "Coupling efficiency [K] characteristics" (Use the flat range of [K] characteristic in the application as the linear sensor)	
719±2 turn	
19Ω (reference)	
AC2000V(50/60Hz), 1min(between aperture and output terminal in a lump)	
DC500V, $\geq 100 \text{M}\Omega$ (between aperture and output terminal in a lump)	
-20°C ~ +75°C , ≤80%RH, no condensation	
-30 °C ~ $+90$ °C , \leq 80%RH, no condensation	
PBT plastic case, potted by epoxy on one side	

(1) Output voltage is changed by the penetrated current/load resistor/[K] characteristic and so on. Please set up the condition for use with careful investigation of each characteristic

(2) Please use with enough margin if the range of coupling efficiency [K] ≤ 0.9, because it is the range to happen the individual difference.

(3) Opening the secondary during turn ON is hazardous and the cause of failure, because of generating high voltage
(4) Please be careful of CT heating in case to use with high frequency, although this CT is basically used at 50/60Hz. Remark (1)

approximately 75g

0.3N • m

Output terminal

Screw torque

 ϕ 2.36X9 ℓ (round pins), tin plating

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