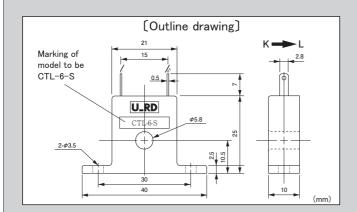
Small size standard AC current sensor for Panel mounting



Model CTL-6-S-H

(Features)

- Generic type for general industrial machine such as heater, motor, and so on. Best seller model more than 1 million cumulative production. (Panel mounting type)
- Ocovering the wide range of 0.1A $^{\sim}$ 80A, though small product as aperture diameter ϕ 5.8 and mass approximately 12g.
- Possible to interface with electrical circuit directly by 800:1 high current ratio
- #110 standard tab for output terminal. Possible to correspond to soldering to wire



[Specification] Ta=25°C	
Model	CTL-6-S-H
Primary current	$0.1 \sim 80 \text{Arms} (50 / 60 \text{Hz}), R_{\perp} \leq 10 \Omega$
Maximum primary current	80Arms 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)	800±2 turn
Secondary windings resistance	39Ω (reference)
Withstand voltage	AC2000V(50/60Hz), 1min(between aperture and output terminal in a lump)
Insulation resistance	DC500V, ≧100MΩ (between aperture and output terminal 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, potted by epoxy on one side
Output terminal	#110 faston terminal, tin plating
Screw torque	0.3N • m
Mass	approximately 13g

- Remark (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 surely ask to our technical consulting service, if the power measurement is thought.
 - (5) Please be careful of CT heating in case to use with high frequency, although this CT is basically used at 50/60Hz.
 - (6) Refer Appendix-1 accessories list for accessories

