

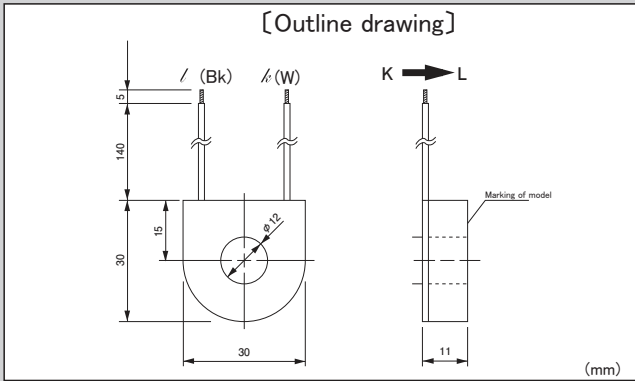
φ 12, miniaturized AC current sensor of wire type for output



Model CTL-12L-30

- [Features]**
- Enlarged primary current 180A max with high current ratio of 3000:1
  - 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
  - Possible to correspond to structure of pin terminal for PCB mounting

AC current sensor



**[Specification] Ta=25°C**

Model	CTL-12L-30
Primary current	0.1 ~ 180Arms (50 / 60Hz)、 $R_L \leq 10\Omega$
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	210 Ω (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(AWG26X140L)
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 50/60Hz.

