



Line Frequency Current Sense Transformer EI187 Current Sense Transformers

Characteristics:

- Primary current rating to 45A
- Frequency 47Hz - 400Hz
- Operating temperature: -40 °C to +125 °C
- Low profile, compact, THT form factor

Options:

- Primary current up to 45A, frequency 47Hz-400Hz, UL Class F 155°C insulation
- -40°C to +125°C operating temp, low-profile compact THT, 4kV AC dielectric isolation
- For AC current detection, EV fixed chargers, overload/load drop detection
- Ideal for industrial automation, control/monitoring & motor controls

Common Applications:

- AC current detection
- Fixed chargers on streets and garages (EV charging infrastructure)
- Overload sensing
- Load drop/shutdown detection
- Industrial automation
- Control and monitoring applications
- Motor Controls

Physical Properties

Order Code	L (mH)	n	I _R (A)	∫ Udt (Vμs)	V _T (V(AC))	R _{DC1} max. (mΩ)	R _{DC2} max. (Ω)
INF-EI187-400mH	400	1:500	45	30000	4000	0.27	16.2
INF-EI187-1600mH	1600	1:1000	45	60000	4000	0.27	78.7
INF-EI187-3600mH	3600	1:1500	45	90000	4000	0.27	178
INF-EI187-6400mH	6400	1:2000	45	120000	4000	0.27	317
INF-EI187-10000mH	10000	1:2500	45	150000	4000	0.27	468
INF-EI187-14400mH	14400	1:3000	45	180000	4000	0.27	747

Technical Specifications

