

Current Sense / Low Frequency Transformers

C S E 1 8 5 L

Description:

Triad's low frequency current sense transformers are designed to monitor current from 0.1 to 3 ampere at frequencies from 50 Hz to 400 Hz.

Electrical Specifications at 25° C: Turns ratio: Primary to sense 1: 50 Suggested burden resistor: 60Ω Typical output: 110mV/Amp Primary DCR: 19.5 m Ω maximum Sense DCR: 23 Ω maximum Operating Temperature: -30°C to 95°C Storage Temperature: -50°C to 125°C Maximum input: 3Arms, 0-240VAC circuit Maximum output voltage: 4.0Vrms. Burden resistor value must be selected to not exceed this voltage.

Response Curve:







Construction:

These transformers are provided with Recognized Component electrical insulation system (OBJY2), Class 130 (B), designated "B3". Products are designed, built and 100% tested for a hi-pot of 2500V, winding to winding and 1250V, winding to core.

Agency Files:

UL file E50476 – Electrical Insulation Systems, Class "B3", 130C

RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

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web:www.TriadMagnetics.com Phone 951-277-0757 Fax 951-277-2757 460 Harley Knox Blvd. Perris, California 92571







Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd Minhang District, Shanghai , China

- > Sales :
 - Direct +86 (21) 6401-6692
 - Email amall@ameya360.com
 - QQ 800077892
 - Skype ameyasales1 ameyasales2

> Customer Service :

Email service@ameya360.com

> Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com