



AL-AHLEIA SWITCHGEAR CO.



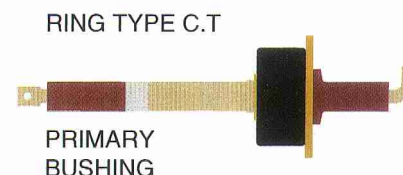
STATE OF KUWAIT

RING TYPE CURRENT TRANSFORMERS

INTRODUCTION

AL-AHLEIA have been engaged in Design and Manufacture of Ring type Current Transformers since 1989. The range includes Bushing mounted Current Transformers for metering and protection for High Voltage Switchboards upto 36 kV and Low Voltage Switchboards.

The Current Transformers manufactured fully comply with IEC: 60044-1 regulations and have been tested for short circuit rating at ASTA, U.K.



FEATURES

- Bar primary Ring type design
- Clean and uniform appearance
- Secondary Currents 1A or 5A (other values on request)
- Primary currents to suit requirements
- Secondary terminal-for M5 crimp terminals or integral leads of required length
- Measuring duty classes and Protection duty classes as per IEC: 60044-1 to suit requirements

SOME TYPICAL C.T. RATIOS AND CHARACTERISTICS

36KV	350/1A	: 15 VA CLASS 5P10
36KV	1600/1A	: 15 VA CLASS 5P20
12KV	100/1A	: 15 VA CLASS 5P10
12KV	400/1A	: 15 VA CLASS 1
12KV	400-300/1A:	15 VA CLASS X
12KV	400-200/1A:	15 VA CLASS 5P10
12KV	1600/1A	: 15 VA CLASS 1
12KV	1600/1A	: 15 VA CLASS 5P20
415V	2000/5A	: 15 VA CLASS 1

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CONSTRUCTION

High grade silicon steel toroidal cores are carefully selected, then insulated and protected by resin impregnated cotton/epoxy resin coating on which the secondary winding is wound.

Insulation taping and winding is done by computer controlled machines. The enamel coated secondary winding wire is protected by self bonding PVC insulation.

Insulation levels, construction and treatment ensure maximum reliability. Accuracy standards are carefully controlled by means of electronic C.T. TEST BENCH and associated testing equipments.

Al-Ahleia is equipped with testing facilities for all routine tests specified in IEC: 60044-1.