

MULTI-RATIO CURRENT TRANSFORMERS

Single-Core & Two-Core Options

for 25 kV max. Power System

CR-20S Series



Introduction

Designed to be installed in a switchgear panel of a 25 kV (max.) power system, these current transformers can be used in conjunction with measuring or monitoring instruments, or with protective relays. The insulation material for the core and the secondary coil is Araldite® epoxy resin. The window-type design facilitates installation and wiring with a busbar or insulated cables, decreasing the occurrence rate of contact point failure. With excellent insulation and a high degree of moisture resistance, the *CR-20S* Series current transformers can perform in locations of high humidity or moderate pollution. These lightweight and economic CTs are quick and easy to install.

Specifications

- Standards: IEC or IEEE
- Indoor application; window-type design
- System Voltage: ≤ 25 kV
- Frequency: 50 or 60 Hz
- AC/BIL: 50/125 kV
- Single-ratio and multi-ratio types
- Two-core options available
- $I_{th} = \text{Max } 43.3\text{kA}/1\text{S}$
- Other standards and specifications available

Selection Table

Model	Primary	Secondary		Burden & Accuracy	Approx. Weight	Num. of Cores	Window Diameter
		Core 1	Core 2				
 CR-20S-90A	500~1200A	5A / 1A	-	(IEC) 30VA / 0.5 or 30VA / 5P20 (IEEE) 0.3 B-0.9 or C100	24 kg	1	90 mm
	500~1200A	5A / 1A	5A / 1A	15 (30)VA / 5P20(10) + 40(30)VA / 1.0(0.5)		2	
 CR-20S-130A	1200~3000A	5A / 1A	-	(IEC) 30VA / 0.2 or 30VA / 5P20 (IEEE) 0.3 B-0.9 or C100	19 kg	1	130 mm
	1200~3000A	5A / 1A	5A / 1A	15 (30)VA / 5P20(10) + 40(30)VA / 0.5(0.2)		2	



CHALLENGE INDUSTRIAL CO., LTD.

1F, No. 46, Ln. 80, Sec. 3, Nangang Rd.,
 Taipei City 115, Taiwan (R.O.C.)
 T: 886-2-2788-3368 ext. 2318