

CURRENT TRANSFORMERS

RELAY CLASS SPLIT CORE CURRENT TRANSFORMER MODEL FCR

- Custom Primaries and Secondaries Available Upon Request
- For Use Over Insulated Bus • For Indoor Use

MADE
IN U.S.A.



FEATURES

These split core current transformers are designed for easy installation over busbar or cable to provide a precise representation of the primary current. There are solutions available for most commercially available meters and instrumentation.

APPLICATIONS

- Watt Transducer
- Current Transducer
- KWH Meter
- Demand Meter
- Power Factor Meter
- Current Sensing Relays
- Energy Management Systems

SPECIFICATIONS

Construction

Directional silicon steel is used for the core. Secondary windings are of copper. Unit is wrapped with heat set polyester and varnish impregnated.

Insulation Level.....0.6kV, 10kV BIL Full Wave

Frequency60Hz

Thermal FactorRefer to Chart

Operating Temp Range.....0°C to +105°C

AccuracyRefer to Chart

Secondary Terminals.....10-32 Screws (11 in. lbs. max)

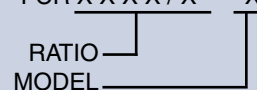
Meets IEEE C57.13 Standards



FCR800/5-R

ORDERING INFORMATION

FCR X X X X / X - X

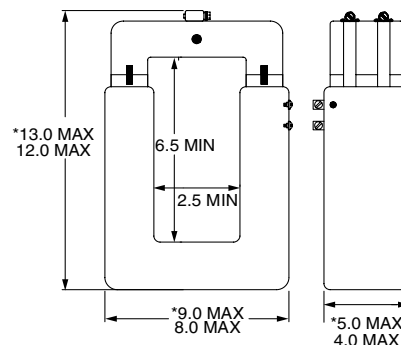


-R, -RZ, -R411

Example: 5000A Split Core with
4"x11" Inside Diameter
FCR5000/5-R411

DIMENSIONS

MODEL -R (*-RZ)

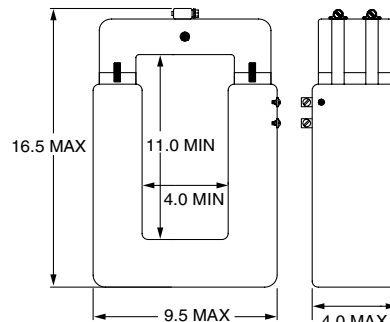


Weight

-RZ.....55 Lbs.

-R.....30 Lbs.

MODEL -R411



Weight

-R411.....40 Lbs.

All dimensions in inches.

-R and -RZ SPECIFICATIONS								
CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60Hz					CONTINUOUS THERMAL RATING FACTOR @30°C
			B0.1	B0.2	B0.5	B0.9	B1.8	
FCR50/5-RZ*	50:5	C10	--	--	--	--	--	2.0
FCR100/5-RZ*	100:5	C20	--	--	--	--	--	2.0
FCR200/5-R	200:5	C20	2.4	--	--	--	--	1.5
FCR300/5-R	300:5	C30	1.2	--	--	--	--	1.5
FCR400/5-R	400:5	C50	1.2	--	--	--	--	1.5
FCR600/5-R	600:5	C75	0.6	--	--	--	--	1.5
FCR800/5-R	800:5	C100	0.3	0.6	--	--	--	1.5
FCR1000/5-R	1000:5	C100	0.3	0.3	--	--	--	1.33
FCR1200/5-R	1200:5	C125	0.3	0.3	0.6	--	--	1.33
FCR1500/5-R	1500:5	C150	0.3	0.3	0.3	0.6	--	1.33
FCR1600/5-R	1600:5	C150	0.3	0.3	0.3	0.6	--	1.33
FCR2000/5-R	2000:5	C200	0.3	0.3	0.3	0.3	0.6	1.33
FCR3000/5-R	3000:5	C300	0.3	0.3	0.3	0.3	0.3	1.0

-R411 SPECIFICATIONS								
CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60Hz					CONTINUOUS THERMAL RATING FACTOR @30°C
			B0.1	B0.2	B0.5	B0.9	B1.8	
FCR600/5-R411	600:5	C75	0.6	--	--	--	--	1.5
FCR800/5-R411	800:5	C100	0.3	0.6	--	--	--	1.5
FCR1000/5-R411	1000:5	C100	0.3	0.3	--	--	--	1.33
FCR1200/5-R411	1200:5	C125	0.3	0.3	0.6	--	--	1.33
FCR1500/5-R411	1500:5	C150	0.3	0.3	0.3	0.6	--	1.33
FCR1600/5-R411	1600:5	C150	0.3	0.3	0.3	0.6	--	1.33
FCR2000/5-R411	2000:5	C200	0.3	0.3	0.3	0.3	0.6	1.33
FCR2500/5-R411	2500:5	C250	0.3	0.3	0.3	0.3	0.3	1.33
FCR3000/5-R411	3000:5	C300	0.3	0.3	0.3	0.3	0.3	1.33
FCR4000/5-R411	4000:5	C300	0.3	0.3	0.3	0.3	0.3	1.0
FCR5000/5-R411	5000:5	C400	0.3	0.3	0.3	0.3	0.3	1.0