

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

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

RATIO
MODEL

-R, -RZ, -R411

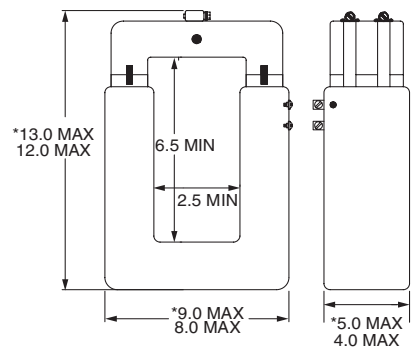
Example: 5000A Split Core with 4"x11" Inside Diameter
FCR5000/5-R411

-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
FCR4000/5-R	4000:5	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

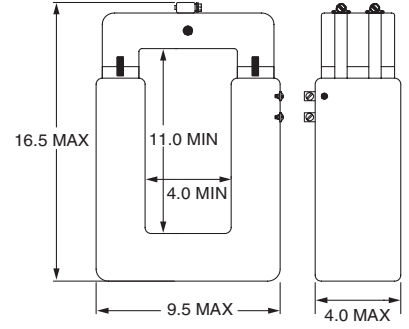
DIMENSIONS

MODEL -R (*-RZ)



Weight
-RZ.....55 Lbs.
-R.....30 Lbs.

MODEL -R411



Weight
-R411.....40 Lbs.

All dimensions in inches.

FLEX-CORE®
Div. Morlan & Associates, Inc.
4970 Scioto Darby Rd. Hilliard, Ohio 43026

WWW.FLEX-CORE.COM
sales@flex-core.com

PHONE (614) 889-6152
TECH. ASSISTANCE (614) 876-8308
FAX # (614) 876-8538