GE
Grid Solutions

Model JKM-5AC

Indoor Current Transformer, Wound Primary
15 kV, 110 kV BIL, 5-600 A

Application

Designed for indoor service; Suitable for operating meters, instruments and control devices.

Weight

(Approximate) ..... 53 lbs

Insulation Level

15.5 kV; BIL 110 kV full wave.

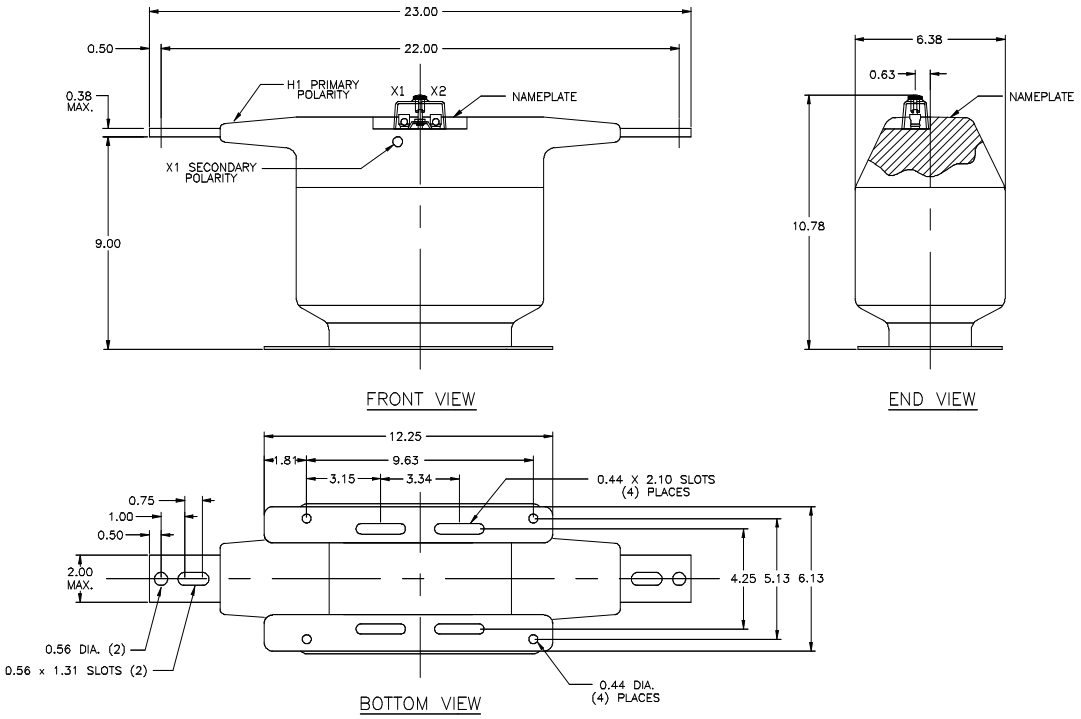
Reference Drawings

Outline..... 0163C35151

Model JKM-5AC Product Data

Current Ratio (Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz			Continuous Thermal Current Rating Factor		Primary Bar Size		One Second Thermal Limit, Amps	Catalog Number
	B0.1 to B0.5	B0.9 to 2.0	Relay Class	@ 30 °C Ambient	@ 55 °C Ambient	Width ins.	Thick ins.		
5:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	465	755X145001
10:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	930	755X145002
15:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	1,470	755X145003
20:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	1,860	755X145004
25:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	2,300	755X145005
30:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	2,460	755X145006
40:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	3,720	755X145007
50:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	4,600	755X145008
75:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	6,375	755X145009
100:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	8,600	755X145010
150:5	0.15	0.3	T200	1.5	1.0	1.50	0.188	12,750	755X145011
200:5	0.15	0.3	T200	1.5	1.0	2.00	0.25	17,200	755X145012
300:5	0.15	0.3	T200	1.5	1.0	2.00	0.25	25,800	755X145014
400:5	0.15	0.3	T200	1.5	1.0	2.00	0.25	36,000	755X145015
600:5	0.15	0.3	T200	1.5	1.0	2.00	0.38	51,600	755X145017

JKM-5AC Dimensions



Construction and Insulation

The core and coil assembly is encapsulated in vacuum cast polyurethane resin. This tough material has excellent electrical and mechanical properties over a wide temperature range, has low water absorption and is resistant to oil and a variety of chemicals.

Core and Coils

The core is made from high quality grain oriented silicon steel, annealed under rigidly controlled factory conditions. The primary winding consists of two coils in series, one around each leg of the core. This construction minimizes flux leakage thus improving the accuracy of the transformer. The secondary winding consists of two coils in parallel. Each coil is located inside the corresponding primary coil and surrounds one leg of the core.

Terminals

Secondary terminals are tin plated brass, compression type with a 0.275” diameter cross-hole for wiring and a 1/4-28 clamp screw. A shorting device is provided and interlocked to the terminal cover. The terminal cover is made of a clear plastic. Provision is made for sealing the cover.

Primary Bars

The primary terminals are tin plated copper bars molded into the cast resin insulation. They have one hole and one slot at each end, suitable for 1/2” bolts.

Polarity

The primary and secondary polarity markers H1, X1, are molded in the insulation. They are thus permanent and integral parts of the transformer and cannot be readily obliterated. They are also marked white.

Nameplates

The nameplate is laser engraved aluminum.

Base plate and Mounting

The base plate is made of stainless steel; it is provided with four slots for mounting. The transformer may be mounted in any orientation.

Maintenance

These transformers require no maintenance, other than occasional cleaning, if installed where air contamination is severe.

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