

Section 3
Indoor
Current Transformers



600 V BIL 10 kV
Indoor Current
JAB-0
200 A to 3,000 A
3.50" x 4.50" Window
50/60 Hz

ACCUBUTE
AVAILABLE

When choosing your GE Instrument Transformer, don't forget to explore the benefits of using GE's 0.15 accuracy class AccuBute line. See page 37.



JAB-0 600 V with oval window and "Grecian Urn" outside shape



JAB-0 with window and rectangular outside shape

Application

Designed for indoor service; especially designed for installation over the secondary bushings of pad-mounted distribution transformers from 75 kVA to 200 kVA. For mounting and applications information, including use at higher voltages, and matching the current rating to the pad transformer thermal capability, please refer to the Applications Information section of this volume.

Weight - Shipping/Net

(approximate, in pounds)

"Grecian Urn" Transformer 8.25/7.25
 Rectangular Transformer 8.75/7.75

Reference Drawings

Accuracy Curves at 60 Hz:

400:5 A 9689241614
 500:5 A 9689241630
 600:5 A 9689241615
 800:5 A 9689241616
 1200:5 A 9689241618
 1500:5 A 9689241619
 2000:5 A and 3000 A 9689241620

Outline Drawings:

Transformer, Grecian Urn Body Style,
 200 A and 300 A 9935421
 Transformer, Grecian Urn Body Style,
 400 A through 2,000 A 9935422
 Transformer, Rectangular Body Style,
 200 A and 300 A 9935423
 Transformer, Rectangular Body Style,
 400 A through 2,000 A 9935424
 Clamp-type bracket 9930972
 Wiring Diagram refer to page 41, figure 3

JAB-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz Burdens per ANSI					Continuous Thermal Current Rating Factor		Catalog Number Outside Shape	
	B-0.1	B-0.2	B-0.5	B-1	B-2	30°C Ambient	55°C Ambient	"Grecian Urn"	Rectangular
200:5	0.3	---	---	---	---	4.0	2.9	750X036202	750X036302
300:5	0.3	0.3	---	---	---	2.0	1.5	750X036203	750X036303
400:5	0.3	0.3	---	---	---	4.0	2.9	750X036204	750X036304
500:5	0.3	0.3	0.3	---	---	3.0	2.2	750X036205	750X036305
600:5	0.3	0.3	0.3	---	---	3.0	2.2	750X036206	750X036306
800:5	0.3	0.3	0.3	---	---	2.0	1.5	750X036208	750X036308
1000:5	0.3	0.3	0.3	---	---	2.0	1.5	750X036210	750X036310
1200:5	0.3	0.3	0.3	---	---	2.0	1.5	750X036212	750X036312
1500:5*	0.3	0.3	0.3	0.3	---	2.0	1.5	750X036215	750X036315
2000:5	0.3	0.3	0.3	0.3	0.3	1.5	1.1	750X036220	750X036320
3000:5*	0.3	0.3	0.3	0.3	0.3	1.33	1.0	750X036230	750X036330

*AccuBute model available.



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.1. It is available in both “Grecian Urn” and rectangular body configurations for maximum mounting flexibility.

Core

Please refer to General Product Information, item 2.2.

Window

The window consists of a 3 1/2" x 4 1/2" oval nylon tube. The window’s unique shape allows the transformer to be installed on the secondary bushing of a pad transformer. The 4 1/2" dimension allows clearance over the blade, while the 3 1/2" dimension provides ample clearance from the procelain bushing.

Two butyl channel sections are molded and bonded to the top and bottom areas of the nylon tube, each with a locking device to permit mounting of the JAB-0 directly onto the secondary blade of the distribution transformer. These sections are easily removed, if this feature is not required, by peeling them away from the

nylon tube with a pair of pliers. With these sections removed, the window will accommodate four 1 1/2" diameter, six 1 1/4" diameter, or eight 1 1/8" diameter cables.

Secondary Winding

Please refer to General Product Information, item 3.17.

Terminals

Please refer to General Product Information, item 4.11.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

Please refer to the Applications Information section of this volume.

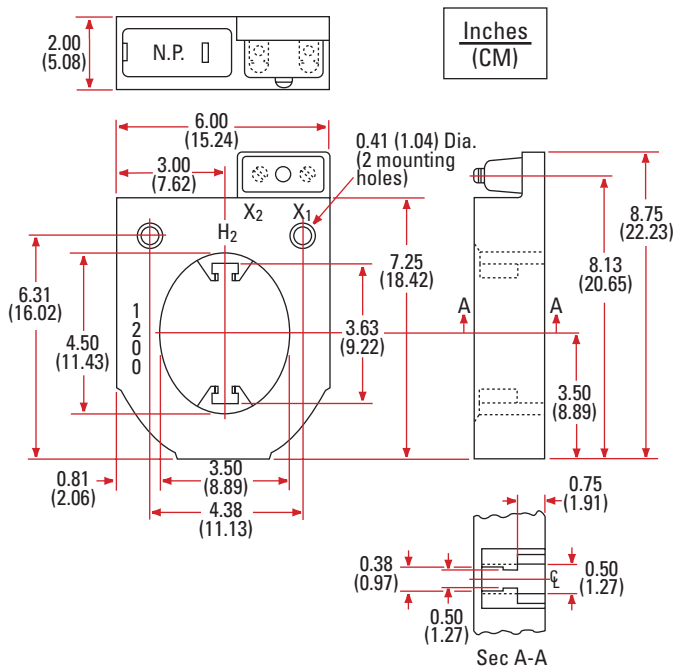
Nameplate

Please refer to General Product Information, item 6.3.

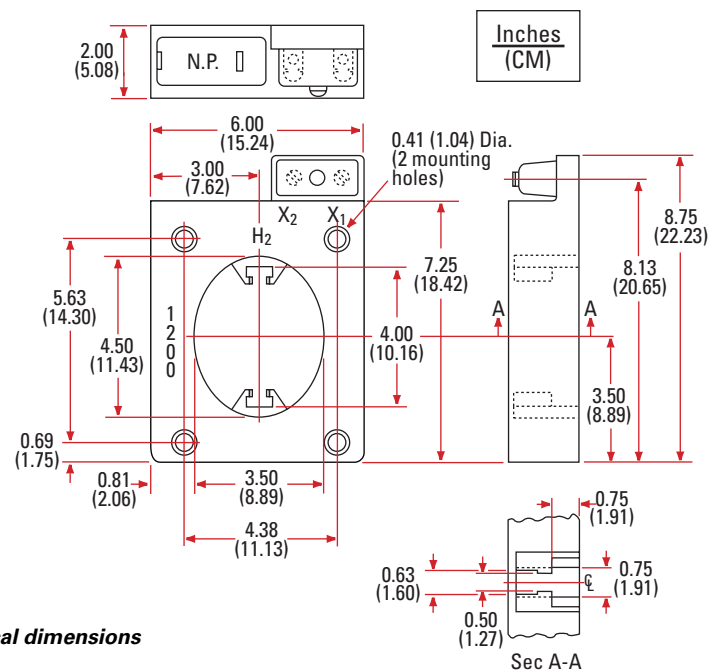
Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

200:5 and 300:5



Above 300:5



JAB-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAK-0
200 A to 800 A
2.50" to 3.062" Window
50/60 Hz



JAK-0 window-type with low base

Application

Designed for both indoor and outdoor service; suitable for operating meters and instruments, on both single-phase two-wire circuits, and polyphase circuits. The window-type transformer can also be used on three-wire, single-phase circuits. For use on higher voltage circuits with an insulated primary conductor, please refer to the Applications Information section of this volume.

ANSI Meter Accuracy Classification, 60 Hz

Burdens per ANSI

B-0.1, B-0.2, B-0.5; all models 0.3

Weight - Shipping/Net

(approximate, in pounds)

Window-Type Transformer, without base 13/12

Primary Bar-Type Transformer, without base 17/16

Low Base, add 1/0.75

High Base, add 1.5/1

Extra-wide Base, add 1/0.75

Primary Bar 4.25/3.0

Secondary Terminal Conduit Box 1.5/1.0

Accessories Catalog Number

Low Base 5466220001

Extra-wide Base 5466220002

High Base 5466182002

Primary Bar; 200 A, 200/400 A 9926119013

Primary Bar; 400, 500, 600,

800, 400/800 A 9926119015

Primary Bar; 300/600 A 9926119014

Secondary Terminal Conduit Box 9689693007

JAK-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	Continuous Thermal Current Rating Factor		Window Size	Catalog Number			
	30°C Ambient	55°C Ambient		Without Base	With Low Base	W/Extra-Wide Base	With High Base
Window-Type, Single-Ratio							
200:5	3.0	2.9	2.500	750X033301	750X033311	750X033351	750X033321
400:5	4.0	2.9	3.062	750X033303	750X033313	750X033353	750X033323
500:5	3.0	2.4	3.062	750X033304	750X033314	750X033354	750X033324
600:5	2.0	1.8	3.062	750X033305	750X033315	750X033355	750X033325
800:5	2.0	1.5	3.062	750X033306	750X033316	750X033356	750X033326
Window-Type, Dual-Ratio							
200/400:5	2.0/2.0	1.5/1.5	2.500	750X033307	750X033317	---	---
300/600:5	2.0/2.0	1.5/1.5	3.062	750X033308	750X033318	---	---
400/800:5	2.0/2.0	1.5/1.5	3.062	750X033309	750X033319	---	---
Primary Bar-Type, Single-Ratio							
200:5	3.0	2.5	2.500	---	750X033331	---	750X033341
400:5	3.5	2.7	3.062	---	750X033333	---	750X033343
500:5	3.0	1.5	3.062	---	750X033334	---	750X033344
600:5	2.0	1.8	3.062	---	750X033335	---	750X033345
800:5	2.0	1.5	3.062	---	750X033336	---	750X033346



Data subject to change without notice.

Reference Drawings

Accuracy Curves at 60 Hz:

200:5	9689241578
400:5	9689241579
500:5	9689241580
600:5	9689241581
800:5	9689241582

Outline Drawings:

Window, No base	9928749
Window, Low base	9928801
Window, Wide base	9928803
Window, High base	9928749
Window, dual, No base	9928800
Window, dual, Low base	9928802
Bar, Low base	9928808
Bar, High base	9928809
Conduit box.....	9689693007

Wiring Diagram refer to page 41, figure 3

Construction and Insulation

Please refer to General Product Information, item 1.8.

Core

Please refer to General Product Information, item 2.2.

Primary Bars

The Type JAK-0 is available with the primary bar mounted in place, or the bar can be supplied separately for assembly into a window-type unit. The bar is flat copper and is tin-plated to allow for connection of either copper or aluminum cable connectors. The bar can be rotated to bring the plane of the terminal pads to any desired position. It is supported and held in place by two insulated end plates, which act as small animal barriers. One plate is permanently attached to the primary bar; the other has a slot so it can be slipped over the bar and held in position with two setscrews. The holes in the plates provide ventilation and drainage of any water that might accumulate inside the transformer window when mounted outdoors in a vertical position.

Secondary Winding

Please refer to General Product Information, item 3.14.

Terminals

The secondary terminals are clamp-type, with a 0.275-inch diameter hole, simplifying the connection of large or multiple secondary wires. The terminals are made of bronze for excellent durability and corrosion resistance.

An internal secondary terminal block secures both the secondary terminals and a stud in between them, which is used as a short circuit device pivot, and as a means to attach and secure the secondary cover. The short-circuit device is insulated from the cover stud by a small phenolic bushing.

The short-circuit device is made of sturdy bronze. The contact with the terminal is direct. The connections to the transformer terminals are external to the transformer, making it clearly visible that the secondary winding is short-circuited. When the transformer is in the operating, open-circuited position, the interlock on the terminal cover holds the short-circuit device in the open position. A detent in the butyl surface on the top of the transformer is also provided to hold the device when the cover is not used.

Dual-ratio transformers are provided with three secondary terminals to eliminate connection errors. Terminal X₃ is the common, with X₁-X₃ providing the high current ratio connection, and X₂-X₃ providing the low current rating connection. The secondary terminal, short-circuit device and cover are the same as for the single-ratio transformers. Polarity identification for the lowest ratio is provided by having "X₂" etched on the nameplate, adjacent to the center-tapped terminal.

continued on next page

Indoor – Current – JAK-0

Cover

The secondary cover is transparent allowing verification of lead connections and the position of the short-circuit device without removing the cover. The cover is large enough to allow connection of leads without bending; it can be installed to allow the leads to come out either the front or back with no reassembly. The cover cannot be put in place or sealed with secondary leads connected unless the short-circuit device is open. A knurled nut on top allows removal of the cover without the use of tools. A slot through the nut is used for sealing.

Conduit Box

The aluminum conduit box and cover are painted black. The conduit box is attached to the transformer by an insulating block fastened to the secondary terminals.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

This JAK-0 can be mounted in any position. When used indoors, it can be mounted on any flat surface. It is

especially suitable for use in small boxes; multiple transformers can be mounted close together because the secondary terminals and nameplate are on the top.

Three optional base plates mount to the transformer by two screws which are on a 1½ inches square so the base can be turned 90° from the standard position. The bases all have a natural stainless steel finish.

The standard size low base is 2½ inches by 5⅝ inches. The special wide low base is 2½ inches by 8 inches. It has two double key holes for mounting bolts or screws. Four 5/16 inch diameter holes, one in each corner, provide an optional means of mounting for either base.

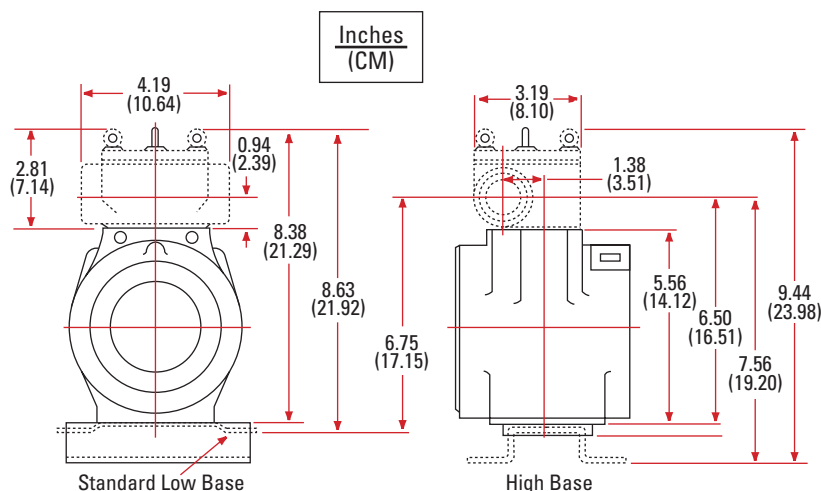
A high mounting base is also available. It is made of cold-rolled steel painted black. The base attaches to the transformer with two screws. When installed, the base increases the overall height of the transformer by ¾ inch to provide interchangeability with 600V, bar-type current transformers.

Nameplate

Please refer to General Product Information, item 6.4.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JAK-0 mechanical dimensions



Data subject to change without notice.

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Data subject to change without notice.

600 V BIL 10 kV
 Indoor Current
JCH-0
 100 A to 800 A
 2.50" Window
 50/60 Hz



JCH-0 current transformer

Application

Designed for indoor service; suitable for operating ammeters (250 A ratings and below) and combinations of wattmeters and ammeters (300 A ratings and above). Ideally suited for most panel and switchboard applications. Not recommended for use with watt-hour meters.

Regulatory Agency Approvals

UL Recognized File E123616

Continuous Thermal Current Rating Factor

30°C Ambient 1.33
 55°C Ambient 1.0

Weight - Shipping/Net

(approximate, in pounds)
 Transformer 4.25/4

Reference Drawings

Accuracy Curves at 60 Hz:
 100:5 9689241459
 150:5 9932600033
 200:5 9689241462
 250:5 9689241464
 300:5 9689241465
 400:5 9689241466
 Excitation Curve 9689241272
 Outline Drawing 8949712
 Wiring Diagram refer to page 41, figure 3

Accessories Catalog Number

Mounting Bracket/Hardware Set 8944561001

JCH-0 DATA TABLE			
Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz Meter Class, Burden		Catalog Number
	B-0.1	B-0.2	
100:5	1.2	---	750X012001
150:5	1.2	---	750X012003
200:5	1.2	---	750X012004
250:5	1.2	---	750X012006
300:5	0.6	0.6	750X012007
400:5	0.6	0.6	750X012008
500:5	0.6	0.6	750X012009
600:5	0.6	0.6	750X012010
800:5	0.6	0.6	750X012011



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.1.

Core

Please refer to General Product Information, item 2.2.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.14.

Terminals

Please refer to General Product Information, item 4.15.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

Holes in the lower corners of the transformer are lined with hard fiber tubes. 3/8 inch diameter bolts, 2 1/2 inch to 3 inch long can be passed through the tubes to bolt

the transformer to a vertical panel or other support on a switchboard.

An optional set of mounting brackets can be supplied for mounting the transformer to a flat surface. The set consists of four (4) 3/32" steel angle brackets, two 2 5/8 inch 3/8-16 bolts, two 3/8-16 thin hex nuts, and two No. 1220 Shakeproof internal washers. The mounting brackets are not supplied mounted to the transformer. Refer to the Application Information section of this volume.

Nameplate

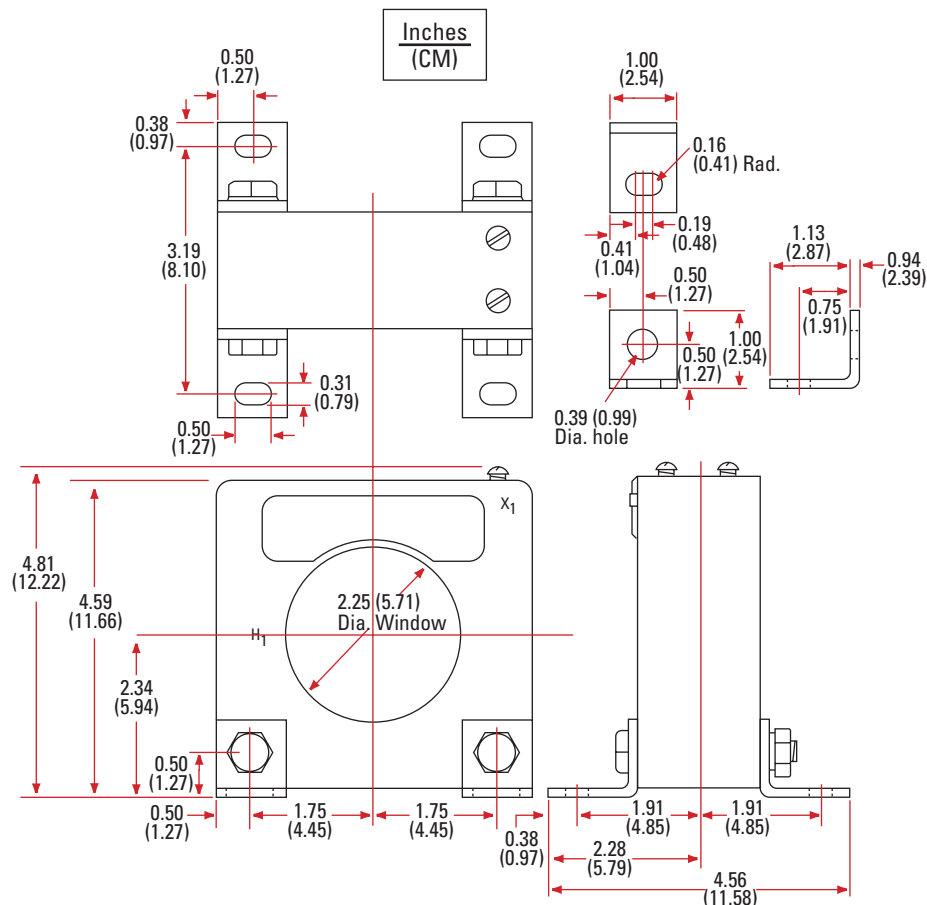
Please refer to General Product Information, item 6.7.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Notes

1. Mounting brackets are not furnished assembled to the transformer.
2. Refer to the Application Section for information on the use of the JCH-0 as a variable-ratio current transformer.



JCH-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCH-0C
50 A to 2,000 A
50/60 Hz



JCH-0C current transformer

Application

Designed for indoor service; suitable for operating ammeters (250 A ratings and below) and combinations of wattmeters and ammeters (300 A ratings and above). Ideally suited for most panel and switchboard applications. Not recommended for use with watt-hour meters. It is constructed with a plastic (Noryl™) case. It is intended primarily for use in GE Power/VAC® switchgear.

Regulatory Agency Approvals

UL Recognized File E123616

Continuous Thermal Current Rating Factor

30°C Ambient; all models except 750X112604
and 750X112605 1.33
30°C Ambient; model 750X112604 1.25
30°C Ambient; model 750X112605 1.0
55°C Ambient; all models except 750X112605 1.0
55°C Ambient; model 750X112605 0.75

Weight - Shipping/Net

(approximate, in pounds)

Transformer 5.5/5

Reference Drawings

Excitation Curves:

50:5 through 600:5 9932600189
750:5 through 2000:5 9932600190
Models with 1.5" window
100:5 through 500:5 9932600192
Outline Drawings 8949712
Wiring Diagram refer to page 41, figure 3

Accessories Catalog Number

Mounting Bracket/Hardware Set 8944561001

JCH-0C DATA TABLE			
Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz		Catalog Number
	Meter Class Burdens	Relay Class	
Window Diameter = 2.5"			
50:5	2.4 through B-0.1	---	750X112600
100:5	1.2 through B-0.1	---	750X112001
150:5	0.6 through B-0.1	---	750X112003
200:5	0.6 through B-0.2	---	750X112004
250:5	0.3 through B-0.2	---	750X112006
300:5	0.3 through B-0.2	---	750X112007
400:5	0.3 through B-0.5	---	750X112008
500:5	0.3 through B-0.5	---	750X112009
600:5	0.3 through B-0.5	---	750X112010
750:5	0.3 through B-0.5	---	750X112716
800:5	0.3 through B-0.5	---	750X112011
1000:5	0.3 through B-0.5	---	750X112601
1200:5	0.3 through B-0.5	---	750X112602
1500:5	0.3 through B-1.8	---	750X112603
1600:5	0.3 through B-1.8	---	750X112604
2000:5	0.3 through B-1.8	---	750X112605
Window Diameter = 1.5"			
100:5	1.2 through B-0.2	---	750X112016
120:5	1.2 through B-0.2	---	750X112017
150:5	0.6 through B-0.2	---	750X112018
200:5	0.3 through B-0.1	C10	750X112019
250:5	0.3 through B-0.2	C10	750X112021
300:5	0.3 through B-0.2	C20	750X112022
400:5	0.3 through B-0.5	C20	750X112023
500:5	0.3 through B-0.9	C20	750X112606



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.9.

Core

Please refer to General Product Information, item 2.2.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.14.

Terminals

Please refer to General Product Information, item 4.15.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

Holes in the lower corners of the transformer are lined with hard fiber tubes. 3/8 inch diameter bolts, 2 1/2 inch to 3 inch long can be passed through the tubes to bolt the transformer to a vertical panel or other support on a switchboard.

An optional set of mounting brackets can be supplied for mounting the transformer to a flat surface. The set consists of four 3/32" steel angle brackets, two 2 5/8 inch 3/8-16 bolts, two 3/8-16 thin hex nuts, and two No. 1220 Shakeproof internal washers. The mounting brackets are not be supplied mounted to the transformer. Refer to the Application Information section of this volume.

Nameplate

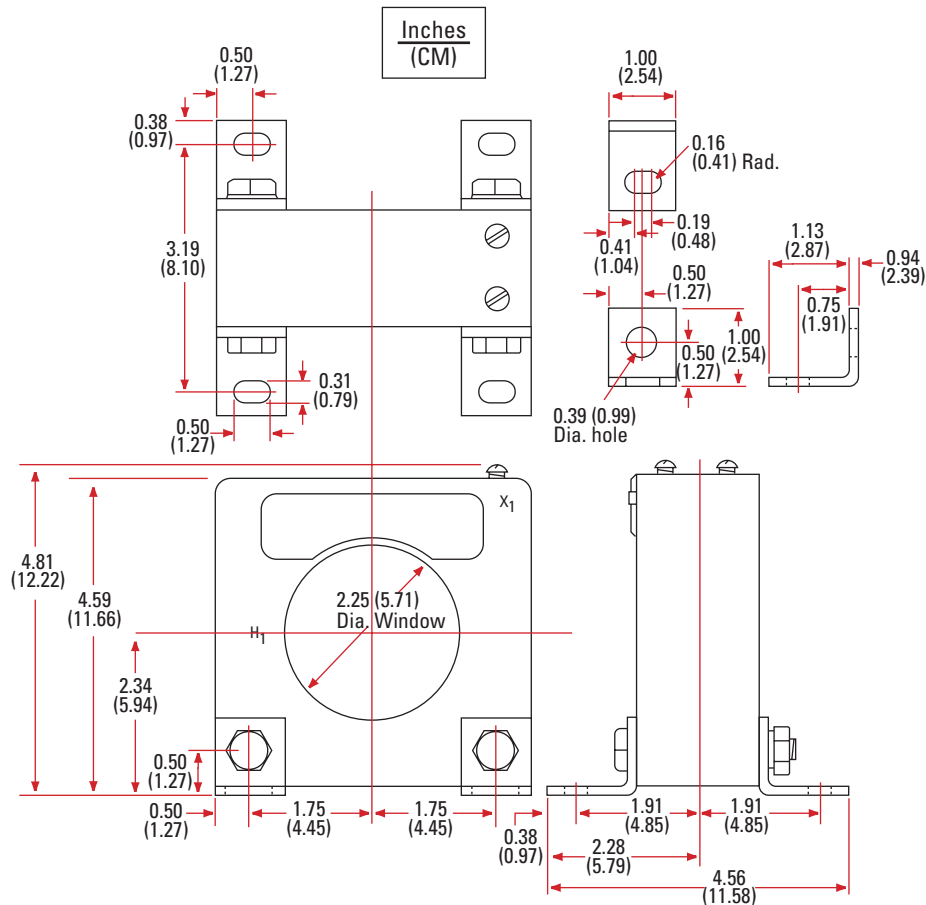
Please refer to General Product Information, item 6.7.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Notes

1. Mounting brackets are not furnished assembled to the transformer.
2. Refer to the Application Section for information on the use of the JCH-0C as a variable-ratio current transformer.



JCH-0C mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAS-0
150 A to 2,000 A
4.00" Window
50/60 Hz



JAS-0 current transformer

Application

Designed for indoor service; suitable for operating meters, relays, and control devices, it is intended for use in switchboards and in switchgear equipment. For use on higher voltage circuits with an insulated primary conductor, please refer to the Applications Information section of this volume.

Regulatory Agency Approvals

UL Recognized File E123616

Continuous-Thermal Current Rating Factor

30°C Ambient 1.33
55°C Ambient 1.0

Weight - Shipping/Net

(approximate, in pounds)
Transformer 10/8

Reference Drawings

Accuracy Curve at 60 Hz:
600:5 9689241707
800:5 9689241708
1000:5 9689241709
1200:5 9689241710
1500:5 9689241711
2000:5 9689241712
Excitation Curve 9689241693
Outline Drawing 9930860
Wiring Diagram refer to page 41, figure 3

JAS-0 DATA TABLE

Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz Meter Class, Burden		Catalog Number
	Meter Class, Burdens	Relay Class	
150:5	1.2 through B-0.2	C50	750X014107
200:5	0.6 through B-0.2	C50	750X014108
300:5	0.6 through B-0.2	C50	750X014109
400:5	0.3 through B-0.2	C50	750X014110
500:5	0.3 through B-0.2	C50	750X014111
600:5	0.3 through B-1.0	C50	750X014101
800:5	0.3 through B-1.0	C50	750X014102
1000:5	0.3 through B-2.0	C50	750X014103
1200:5	0.3 through B-2.0	C50	750X014104
1500:5	0.3 through B-2.0	C50	750X014105
1600:5	0.3 through B-2.0	C100	750X014112
2000:5	0.3 through B-2.0	C100	750X014106



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAH-0
150 A to 4,000 A
4.00" to 5.75" Window
50/60 Hz



JAH-0 current transformer

Application

Designed for indoor service; suitable for metering and operating relays and control equipment.

Regulatory Agency Approvals

UL Recognized File E123616

Continuous Thermal Current Rating Factor

30°C Ambient 1.33
55°C Ambient 1.0

Weight - Shipping/Net

(approximate, in pounds)

Transformer; all models 10/8.5

Reference Drawings

Accuracy Curve at 60 Hz:

400:5 9689241157
500:5 9689241186
600:5 9689241187
800:5 9689241158
1000:5 9689241159
1200:5 9689241160
1500:5 9689241161
2000:5 9689241162
2500:5 9689241163
3000:5 9689241156
4000:5 9689241164

Excitation Curve 9689241185

Outline Drawing 8949890

Wiring Diagram refer to page 41, figure 3

Accessories Catalog Number

Mounting Bracket/Hardware Set:

400 to 800 A Rating Transformer 8944637074

1,000 to 4,000 A Rating Transformer 8944637071

JAH-0 DATA TABLE

Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz Meter Class, Burden		Window ID (Inches)	Catalog Number
	Meter Class, Burdens	Relay Class		
150:5	0.6 through B-0.2	C10	4.00	750X014019
200:5	0.6 through B-0.2	C10	4.00	750X014012
250:5	0.6 through B-0.2	C10	4.00	750X014017
300:5	0.6 through B-0.2	C10	4.00	750X014013
400:5	0.6 through B-0.2	C10	4.00	750X014001
500:5	0.3 through B-0.1	C20	4.00	750X014002
600:5	0.3 through B-0.2	C20	4.00	750X014003
800:5	0.3 through B-0.2	C20	4.00	750X014004
1000:5	0.3 through B-0.5	C20	5.75	750X014005
1200:5	0.3 through B-0.5	C20	5.75	750X014006
1500:5	0.3 through B-1.0	C50	5.75	750X014007
2000:5	0.3 through B-2.0	C20	5.75	750X014008
2500:5	0.3 through B-2.0	C20	5.75	750X014009
3000:5	0.3 through B-2.0	C50	5.75	750X014010
4000:5	0.3 through B-2.0	C20	5.75	750X014011



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAD-0
200 A to 4,000 A
5.75" Window, Removable Bar
50/60 Hz



Application

Designed for indoor and outdoor service; suitable for operating meters, instruments and control devices. For higher voltage (1.2 to 15 kV) applications, please refer to the Application Information section of this volume.

Regulatory Agency Approvals

UL Recognized File E96707

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base

Window Type 14/13

Primary Bar Type 19/17

Mounting Base, add 2.0/2.0



JAD-0 with round window and mounting base



JAD-0 with cross-shaped window

JAD-0 DATA TABLE - Window Type

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Classification, 60 Hz Burdens B-0.1 B-0.2 B-0.5 B-1 B-2					One Second Thermal Limit, in Amps, w/Sec. Short-Circuited	Cont. Thermal Current Rating Factor 30°C Amb.	Round Window			Cross-Shaped Window	
								Without Mounting Base	Stainless Steel Base Assembled	S-S Base Assembled and Cond. Box Provision	Cont. Thermal Current Rating Factor 30°C Amb.	Catalog Number
Single Ratio												
200:5	0.6	1.2	---	---	---	16,400	4.0	750X020240	750X020260	750X020270	---	---
300:5	0.3	0.6	1.2	---	---	23,400	4.0	750X020241	750X020261	750X020271	---	---
400:5	0.3	0.3	0.6	---	---	29,200	4.0	750X020242	750X020262	750X020272	---	---
500:5	0.3	0.3	0.6	---	---	44,500	4.0	750X020243	750X020263	750X020273	---	---
600:5	0.3	0.3	0.3	---	---	43,800	3.0	750X020244	750X020264	750X020274	---	---
800:5	0.3	0.3	0.3	---	---	58,400	2.0	750X020001	750X020154	750X020167	2.0	750X020009
1000:5	0.3	0.3	0.3	---	---	48,000	2.0	750X020002	750X020155	750X020168	2.0	750X020010
1200:5	0.3	0.3	0.3	0.3	---	62,400	2.0	750X020003	750X020156	750X020169	2.0	750X020011
1500:5	0.3	0.3	0.3	0.3	---	162,000	3.0	750X020180	750X020181	750X020184	2.8	750X020183
2000:5	0.3	0.3	0.3	0.3	0.3	120,000	2.0	750X020005	750X020158	750X020171	1.5	750X020013
2500:5	0.3	0.3	0.3	0.3	0.3	120,000	1.5	750X020006	750X020159	750X020172	1.5	750X020014
3000:5	0.3	0.3	0.3	0.3	0.3	162,000	1.5	750X020007	750X020160	750X020173	1.5	750X020015
4000:5	0.3	0.3	0.3	0.3	0.3	304,000	1.5	750X020008	750X020161	750X020174	1.5	750X020016
Dual Ratio												
600/1200:5	0.3	0.3	---	---	---	31,200	2.0	750X020025	750X020162	750X020175	2.0	750X020030
	0.3	0.3	0.3	0.3	---	57,600	2.0				2.0	
800/1600:5	0.3	0.3	---	---	---	38,400	2.0	750X020026	750X020163	750X020176	2.0	750X020031
	0.3	0.3	0.3	0.3	---	76,800	2.0				2.0	
1000/2000:5	0.3	0.3	0.3	---	---	60,000	2.0	750X020027	750X020164	750X020177	2.0	750X020032
	0.3	0.3	0.3	0.3	0.3	120,000	2.0				1.5	
1500/3000:5	0.3	0.3	0.3	---	---	81,000	2.0	750X020028	750X020165	750X020178	2.0	750X020033
	0.3	0.3	0.3	0.3	0.3	162,000	1.5				1.5	
2000/4000:5	0.3	0.3	0.3	---	---	152,000	2.0	750X020029	750X020166	750X020179	2.0	750X020034
	0.3	0.3	0.3	0.3	0.3	304,000	1.5				1.5	

JAD-0 DATA TABLE - Primary Bar Type

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Classification, 60 Hz Burdens B-0.1 B-0.2 B-0.5 B-1 B-2					One Second Thermal Limit, in Amps, w/Sec. Short-Circuited	Cont. Thermal Current Rating Factor 30°C Amb.	Number of Primary Bars	Catalog Number			
									Without Mounting Base		With Mounting Base	
									11 7/8" Bar	14 1/2" Bar	11 7/8" Bar	14 1/2" Bar
800:5	0.3	0.3	0.3	---	---	58,400	2.0	1	750X020201	750X020221	750X020211	750X020231
1000:5	0.3	0.3	0.3	---	---	48,000	2.0	1	750X020202	750X020222	750X020212	750X020232
1200:5	0.3	0.3	0.3	0.3	---	62,400	1.5	1	750X020203	750X020223	750X020213	750X020233
1500:5	0.3	0.3	0.3	0.3	---	162,000	1.5	1	750X020204	750X020224	750X020214	750X020234
2000:5	0.3	0.3	0.3	0.3	0.3	120,000	1.5	2	750X020205	750X020225	750X020215	750X020235
3000:5	0.3	0.3	0.3	0.3	0.3	162,000	1.33	3	750X020207	750X020227	750X020217	750X020237
4000:5	0.3	0.3	0.3	0.3	0.3	304,000	1.2	4	750X020208	750X020228	750X020218	750X020238



Data subject to change without notice.

Accessories	Catalog Number
Secondary Conduit Box	9689693006
Stainless Steel Keyholed Mounting Base ..	9928569006
Lexan Terminal Cover (Outdoor Use)	4112592004

Reference Drawings

Accuracy Curves at 60 Hz:	
200:5	9932600093
300:5	9932600094
400:5	9932600095
500:5	9932600096
600:5	9932600097
800:5	9689241445
1200:5	9689241447
1500:5	9689241448
2000:5	9689241449
3000:5	9689241451

Outline Drawings:	
Single Ratio, Round Window	A8949951
Removable Primary Bar (14" Bar) Assembly	A9930967
Single-Ratio, Round Window, and Mounting Base	A9928753
Dual-Ratio, Cross-Shaped Window	A9926364
Wiring Diagram	refer to page 41, figure 3

Construction and Insulation

Please refer to General Product Information, item 1.1.

Primary Bar

Removable primary bar assemblies for use with the JAD-0 type current transformer are provided in lengths of 13 1/2 inches and 10 7/8 inches, measured between centerlines of the outboard mounting holes.

Each copper bar is 1/4 inch thick and four inches wide, with 1/4 inch spacing between bars on multiple bar assemblies. The bars are tin-plated to accommodate either copper or aluminum bus conductors.

These assemblies are removable and continuously rotatable through 360 degrees, with each bar individually suspended to provide mounting flexibility. Primary bars are contained by insulated and ventilated end caps, which lock bar assemblies in any desired orientation. Bar assemblies will also support a JAD-0 without base in a vertical primary orientation. Potential connector mounting holes are provided at both ends of each bar assembly, with associated hardware included in the assembly.

Bar assembly kits are also available as supply parts. Each kit includes all bars, end caps, spacers, and hardware necessary to mount the bar assembly to the window of the JAD-0 current transformer.

Secondary Winding

Please refer to General Product Information, item 3.15.

Terminals

The single-ratio transformers have two terminals and one terminal cover; the double-ratio transformers have four terminals with two terminal covers. The terminals are fixed, 1/4 inch-28 threaded brass studs. Each is supplied with a cup washer, lock washer and nut.

A fiber piece between the two terminals serves as a mounting block for the short-circuit device and as a base for the terminal cover. It also supports the brass sealing stud.

A Lexan® cover is available for protecting the secondary terminals when the transformer is used outdoors.

Conduit Box

Please refer to General Product Information, item 12.4.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

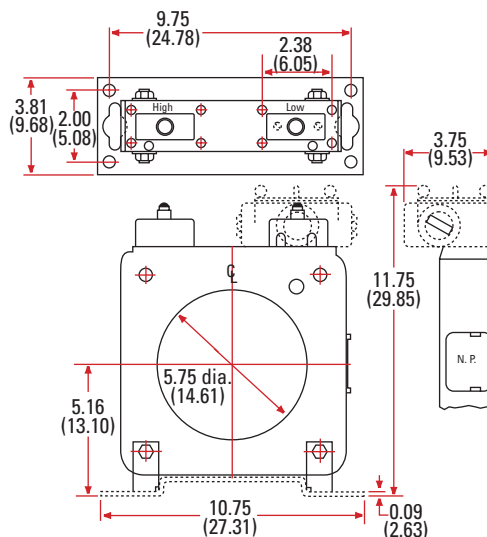
Four mounting holes are provided for bolting the transformer to a switchboard. The Type JAD-0 transformer is available with a stainless-steel keyholed mounting base, with the same mounting dimensions as the Type JCP-0 transformer. The base is also available as a separate item, complete with bolts, nuts, and washers.

Nameplate

Please refer to General Product Information, item 6.4.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JAD-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCB-0
50 A to 6,000 A
7.25" to 8.125" Window
50/60 Hz



JCB-0 current transformer

Application

Designed for indoor service; suitable for operating meters, relays and control devices on circuits not exceeding 600 volts line-to-line. It may be used on higher voltage circuits with an insulated conductor, as described in the Applications Section of this volume.

Regulatory Agency Approvals

UL Recognized File E123616

Weight - Shipping/Net

(approximate, in pounds)

Transformer; all models except 750X01101 23/20
 Transformer; model 750X011001 70/66
 Mounting Bracket 2/2

Accessories Catalog Number

Mounting Bracket, all models
 except 750X011001 8944637072
 Mounting Bracket, model 759X011001 8944637096

JCB-0 DATA TABLE					
Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz		Continuous Thermal-Current Rating Factor		Catalog Number
	Meter Class, Burden	Relay Class	30°C Ambient	55°C Ambient	
Single-Ratio					
50:5	0.6 thru B-0.1	C10	1.5	1.0	750X011001
100:5	0.6 thru B-0.1	C10	1.5	1.0	750X011002
400:5	0.6 thru B-0.1	C10	1.5	1.0	750X011003
500:5	0.3 thru B-0.1	C20	1.5	1.0	750X011004
600:5	0.3 thru B-0.2	C20	1.5	1.0	750X011005
800:5	0.3 thru B-0.2	C50	1.5	1.0	750X011006
1000:5	0.3 thru B-0.5	C50	1.5	1.0	750X011007
1200:5	0.3 thru B-0.5	C50	1.5	1.0	750X011008
1500:5	0.3 thru B-1.0	C100	1.5	1.0	750X011009
2000:5	0.3 thru B-2.0	C100	1.5	1.0	750X011010
2500:5	0.3 thru B-2.0	C100	1.5	1.0	750X011011
3000:5	0.3 thru B-2.0	C100	1.5	1.0	750X011012
4000:5	0.3 thru B-2.0	C100	1.5	1.0	750X011014
5000:5	0.3 thru B-2.0	C100	1.33	1.0	750X011015
6000:5	0.3 thru B-2.0	C100	1.0	0.75	750X011016
Multi-Ratio					
100/200/300/400/ 500/600/800/900/ 1000/1200:5	0.3 thru B-0.5	C50	1.5	1.0	750X011021
300/400/500/800/ 1100/1200/1500/ 1600/2000:5	0.3 thru B-0.5	C100	1.5	1.0	750X011022
500/1000/ 1500/2000/ 2500/3000:5	0.3 thru B-0.5	C100	1.5	1.0	750X011023
1000/1000/ 2000/2000/ 3000/4000:5	0.3 thru B-0.5	C100	1.5	1.0	750X011024



Data subject to change without notice.

Reference Drawings

Accuracy Curves:

Single-Ratio	
50:5	9689241923
100:5	Contact Factory
400:5	Contact Factory
500:5	Contact Factory
600:5	9689241359
800:5	Contact Factory
1000:5	9689241729
1200:5	9689241834
1500:5	9689241360
2000:5	9689241361
2500:5	9689241358
3000:5	9689241246
4000:5	9689241682
5000:5	9689241796
6000:5	Contact Factory
Multi-Ratio	
100 through 1200:5	9689241-541 through 550
300 through 2000:5	9689241-493 through 498
500 through 3000:5	9689241-535 through 540
1000 through 4000:5	Contact Factory

Excitation Curves:

Single-Ratio	
50:5	9689241838
100:5	Contact Factory
400:5	9689241271
500:5	9689241271
600:5	Contact Factory
800:5	Contact Factory
1000:5	Contact Factory
1200:5	Contact Factory
1500:5	Contact Factory
2000:5	9689241492
2500:5	Contact Factory
3000:5	Contact Factory
4000:5	9689241476
5000:5	9689241476
6000:5	9689241476
Multi-Ratio	
100 through 1200:5	9689241551
300 through 2000:5	9869241492
500 through 3000:5	9689241301
1000 through 4000:5	Contact Factory

Outline Drawings:

Single-Ratio Model 750X011001	8949891
All Single-Ratio Models except 750X01100	8949864
Multi-Ratio Model 750X011021	8949880
Multi-Ratio Model 750X011022	8949881
Multi-Ratio Model 750X011023	8949882
Multi-Ratio Model 750X011024	8949883

Wiring Diagram refer to page 41, figure 3

Construction and Insulation

Please refer to General Product Information, item 1.5.

Core

Please refer to General Product Information, item 2.5.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.16.

Terminals

Please refer to General Product Information, item 4.14.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

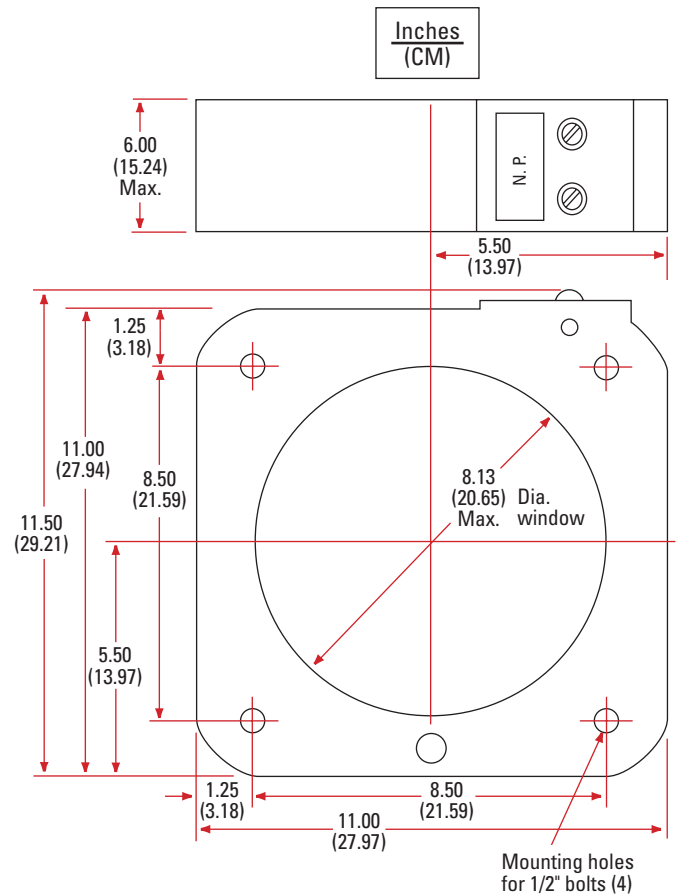
Please refer to General Product Information, item 5.16.

Nameplate

Please refer to General Product Information, item 6.6.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JCB-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
 Indoor Current
JCB-0C
 50 A to 6,000 A
 7.36" Window
 50/60 Hz



JCB-0C current transformer

Application

Designed for indoor service; suitable for operating meters, relays and control devices on circuits not exceeding 600 volts line-to-line. It may be used on higher voltage circuits with an insulated conductor, as described in the Applications Section of this volume. It is constructed with a plastic (Noryl™) case. It is intended primarily for use in GE Power/VAC® switchgear.

Regulatory Agency Approvals

UL Recognized File E123616

Weight - Shipping/Net

Transformer 70/66
 Mounting Bracket 2/2

Accessories Catalog Number

Mounting Bracket 8944637096

JCB-0C DATA TABLE						
Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz		Continuous Thermal-Current Rating Factor		Catalog Number	
	Meter Class, Burden	Relay Class	30°C Ambient	55°C Ambient		
Single-Ratio						
50:5	2.4 thru B-0.1	C20	1.33	1.0	750X111650	
75:5	1.2 thru B-0.1	C20	1.33	1.0	750X111651	
100:5	1.2 thru B-0.2	C20	1.33	1.0	750X111652	
150:5	0.6 thru B-0.2	C50	1.33	1.0	750X111653	
200:5	0.6 thru B-0.5	C50	1.33	1.0	750X111654	
250:5	0.3 thru B-0.1	C50	1.33	1.0	750X111655	
300:5	0.3 thru B-0.5	C100	1.33	1.0	750X111656	
400:5	0.3 thru B-0.9	C100	1.33	1.0	750X111657	
500:5	0.3 thru B-0.9	C200	1.33	1.0	750X111658	
600:5	0.3 thru B-1.8	C200	1.33	1.0	750X111659	
750:5	0.3 thru B-1.8	C200	1.33	1.0	750X111660	
800:5	0.3 thru B-1.8	C200	1.33	1.0	750X111661	
1000:5	0.3 thru B-1.8	C400	1.33	1.0	750X111662	
1200:5	0.3 thru B-1.8	C400	1.33	1.0	750X111663	
1500:5	0.3 thru B-1.8	C400	1.33	1.0	750X111664	
1600:5	0.3 thru B-1.8	C400	1.33	1.0	750X111665	
2000:5	0.3 thru B-1.8	C400	1.33	1.0	750X111666	
2500:5	0.3 thru B-1.8	C400	1.33	1.0	750X111667	
3000:5	0.3 thru B-1.8	C800	1.0	0.75	750X111668	
3200:5	0.3 thru B-1.8	C800	1.0	0.75	750X111669	
3500:5	0.3 thru B-1.8	C800	1.0	0.75	750X111670	
4000:5	0.3 thru B-1.8	C800	1.0	0.75	750X111671	
5000:5	0.3 thru B-1.8	C800	1.0	0.75	750X111672	
6000:5	0.3 thru B-1.8	C800	1.0	0.75	750X111673	



Data subject to change without notice.

Reference Drawings

Excitation Curves:

50:5	9932600193
75:5	9932600193
100:5	9932600195
150:5	9932600193
200:5	9932600193
250:5	9932600195
300:5	9932600193
400:5	9932600195
500:5	9932600193
600:5	9932600193
750:5	9932600195
800:5	9932600195
1000:5	9932600193
1200:5	9932600193
1500:5	9932600197
1600:5	9932600197
2000:5	9932600198
2500:5	9932600197
3000:5	9932600197
3200:5	9932600198
3500:5	9932600198
4000:5	9932600198
5000:5	9932600197
6000:5	9932600198

Multi-Ratio

100 through 1200:5	9689241551
300 through 2000:5	9869241492
500 through 3000:5	9689241301
1000 through 4000:5	Contact Factory

Outline Drawings:

Single-Ratio Model 750X011001	8949891
All Single-Ratio Models except 750X011001	8949864
Multi-Ratio Model 750X011021	8949880
Multi-Ratio Model 750X011022	8949881
Multi-Ratio Model 750X011023	8949882
Multi-Ratio Model 750X011024	8949883

Wiring Diagram refer to page 41, figure 3

Construction and Insulation

Please refer to General Product Information, item 1.9.

Core

Please refer to General Product Information, item 2.5.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.16.

Terminals

Please refer to General Product Information, item 4.14.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

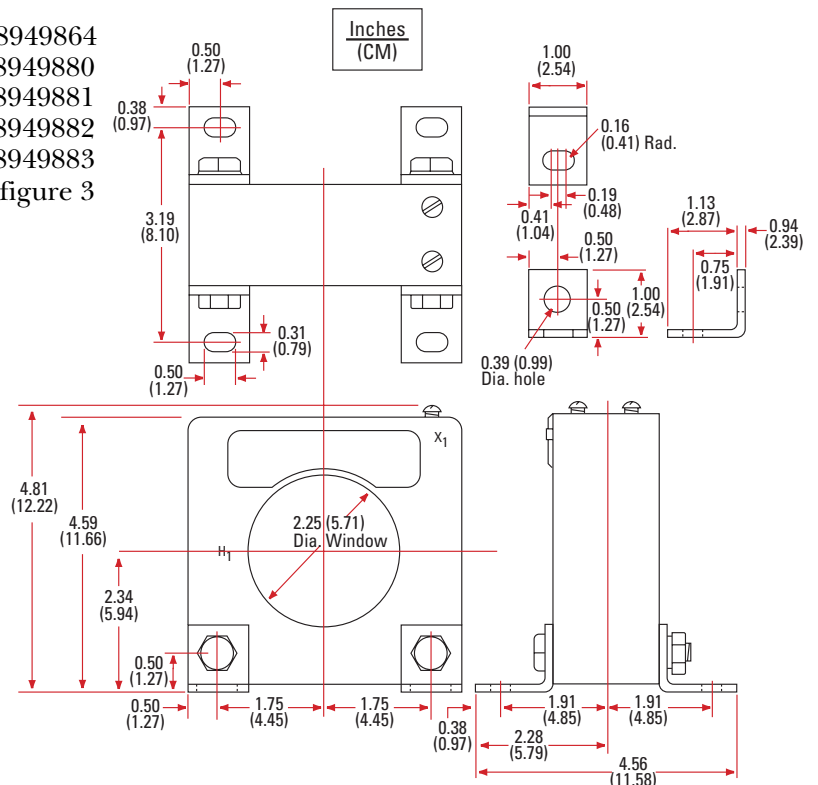
Please refer to General Product Information, item 5.16.

Nameplate

Please refer to General Product Information, item 6.6.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JCB-0C mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCD-0
1,500 A to 8,000 A
8.125" Window
50/60 Hz



*JCD-0 single ratio current transformer,
with mounting feet*

Application

Designed for indoor and outdoor service; suitable for operating meters, relays or control devices. For higher voltage (1.2 kV to 15 kV) applications, please refer to the Application Information section of this volume.

Regulatory Agency Approvals

UL Recognized File E96707

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without mounting feet 25/20
 Mounting Feet, add 2/2

Reference Drawings

Accuracy Curves:

1500:5 9689241600
 2000:5 9689241605
 3000:5 9689241246
 8000:5 9689241119

Excitation Curves:

1500:5 9689241608
 2000:5 9689241611
 3000:5 9689241917
 4000:5 9689241330
 5000:5 9689241330
 6000:5 9689241330

Outline Drawings:

Single-Ratio A9926365
 Dual-Ratio A9926367

Wiring Diagram refer to page 41, figure 3

Accessories Catalog Number

Secondary Conduit Attachment 9689693006
 Stainless Steel Mounting Feet 8944637072

JCD-0 DATA TABLE

Current Ratio (In Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz			Relay Class	Continuous Thermal-Current Rating Factor 30°C Ambient	Catalog Number	
	Meter Class, Burden					Without Mounting Feet	With Mounting Feet
	B-0.1 to B-0.5	B-1	B-2				
Single Ratio							
1500:5	0.3	0.3	--	C50	3.0	750X031124	750X031125
2000:5	0.3	0.3	0.3	C100	2.0	750X031007	750X031033
3000:5	0.3	0.3	0.3	C100	2.0	750X031009	750X031035
4000:5	0.3	0.3	0.3	C100	1.5	750X031010	750X031036
5000:5	0.3	0.3	0.3	C100	1.0	750X031011	750X031037
6000:5	0.3	0.3	0.3	C100	1.0	750X031012	750X031038
8000:5	0.3	0.3	0.3	C100	1.0	750X031014	750X031040
Dual Ratio							
1000/2000:5	0.3	0.6	1.2	C50	2.0	750X031016	750X031042
	0.3	0.3	0.3	C100	2.0		
1500/3000:5	0.3	0.6	1.2	C50	2.0	750X031017	750X031043
	0.3	0.3	0.3	C100	2.0		
2000/4000:5	0.3	0.6	1.2	C50	2.0	750X031018	750X031044
	0.3	0.3	0.3	C100	1.5		
3000/6000:5	0.3	0.6	1.2	C50	1.33	750X031019	750X031032
	0.3	0.3	0.3	C100	1.0		



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.2 and 1.8 .

Core

Please refer to General Product Information, item 2.2.

Secondary

Winding

Please refer to General Product Information, item 3.15.

Terminals

The single-ratio transformers have two terminals and one terminal cover; the double-ratio transformers have four terminals with two terminal covers. The terminals are fixed, 1/4 inch-28 threaded brass studs. Each is supplied with a cup washer, lock washer and nut.

A fiber piece between the two terminals serves as a mounting block for the short-circuit device and as a base for the terminal cover. It also supports the brass sealing stud.

Conduit Box

Please refer to General Product Information, item 12.4.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

Four mounting holes are provided for bolting the transformer to a switchboard.

Mounting Feet

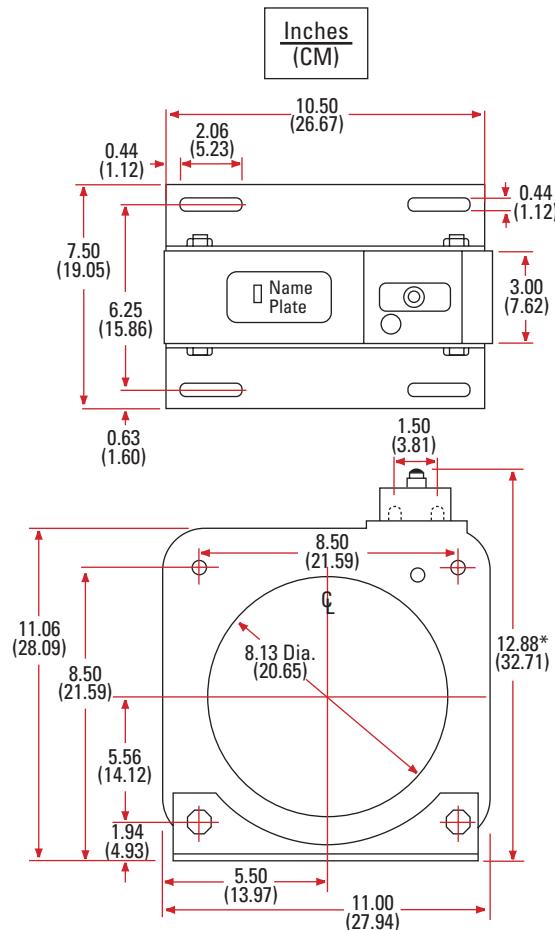
The JCD-0 transformer is available with stainless steel feet, which are also available as a separate item, complete with bolts, nuts and washers. Please refer to the data table and accessories listings.

Nameplate

Please refer to General Product Information, item 6.4.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JCD-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAF-0
100 A to 3,000 A
4.50" to 5.375" Window
50/60 Hz



JAF-0 current transformer

Application

Designed for indoor service; suitable for operating meters, relays, and control devices, it is intended for use in switchboards and in switchgear equipment. For use on higher voltage circuits with an insulated primary conductor, please refer to the Applications Information section of this volume.

Regulatory Agency Approvals

UL Recognized File E123616

Continuous-Thermal Current Rating Factor

30°C Ambient 1.33
 55°C Ambient 1.0

Weight - Shipping/Net

(approximate, in pounds)

Transformer 25/24
 Base, add 1.0/1.0

JAF-0 DATA TABLE

Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz					Relay Class	One-Second Thermal Limit, in Amperes ②		Window Size	Catalog Number	
							Secondary Short-Circuited	Secondary Burden or Greater		Without Base	With Assembled Base
	Meter Class, Burden					B-1	B-2	B-0.5	B-0.2	B-0.1	
Single Ratio											
100:5	---	---	---	---	---	C10	5,000	50,000	4.50	750X010300	750X010350
150:5	0.6	1.2	2.4	---	---	C15	7,500	50,000	4.50	750X010301	750X010351
200:5	0.6	1.2	2.4	---	---	C25	10,000	50,000	4.50	750X010302	750X010352
300:5	0.6	0.6	1.2	2.4	2.4	C35	15,000	50,000	4.50	750X010303	750X010353
400:5	0.3	0.6	0.6	1.2	2.4	C50	20,000	50,000	4.50	750X010304	750X010354
500:5	0.3	0.3	0.3	0.6	1.2	C50	25,000	50,000	5.375	750X010305	750X010355
600:5	0.3	0.3	0.3	0.6	1.2	C50	30,000	50,000	5.375	750X010306	750X010356
800:5	0.3	0.3	0.3	0.6	0.6	C50	40,000	50,000	5.375	750X0103070	750X010357
1000:5	0.3	0.3	0.3	0.6	0.6	C100	50,000	50,000	5.375	750X010308	750X010358
1200:5	0.3	0.3	0.3	0.3	0.3	C100	47,500	50,000	5.375	750X010309	750X010359
1500:5	0.3	0.3	0.3	0.3	0.3	C100	75,000	75,000	5.375	750X010310	750X010360
2000:5	0.3	0.3	0.3	0.3	0.3	C100	94,000	94,000	5.375	750X010311	750X010361
3000:5	0.3	0.3	0.3	0.3	0.3	C100	158,000	158,000	5.375	750X010312	750X010362
2000:2.5	0.3 ①	0.3 ①	0.3 ①	0.3 ①	0.3 ①	C100 ①	100,000	100,000	5.375	750X010313	750X010363
Dual Ratio											
200/400:5	0.6/0.3	1.2/0.6	2.4/0.6	---/1.2	---/2.4	C20/C50	20,000	50,000	4.50	750X010314	750X010364
300/600:5	0.6/0.3	0.6/0.3	1.2/0.3	2.4/0.6	2.4/1.2	C20/C50	30,000	50,000	5.375	750X010316	750X010366
400/800:5	0.6/0.3	0.6/0.3	1.2/0.3	1.2/0.6	2.4/0.6	C50/C50	40,000	50,000	5.375	750X010317	750X010367
500/1000:5	0.6/0.3	0.6/0.3	1.2/0.3	1.2/0.6	2.4/0.6	C50/C100	50,000	50,000	5.375	750X010318	750X010368
600/1200:5	0.3/0.3	0.3/0.3	0.6/0.3	1.2/0.3	1.2/0.3	C50/C100	47,500	50,000	5.375	750X010319	750X010369
1000/2000:5	0.3/0.3	0.3/0.3	0.3/0.3	0.6/0.3	0.6/0.3	C100/C100	94,000	94,000	5.375	750X010321	750X010371

Notes

① This is a non-standard ANSI accuracy classification. The accuracy rating is based upon burden impedance established at 5 Amperes. The transformer meets 0.3 metering accuracy class with 2 Ohms, 0.5 PF burden, and has less than 10% ratio error with 1.0 Ohm, 0.5 PF burden at 100 secondary Amperes.

② Mechanical limits are omitted since, if window-type transformers are properly installed, their mechanical strength is nearly unlimited.



Data subject to change without notice.

Reference Drawings

Accuracy Curves:

100:5	9689241739
150:5	Contact Factory
200:5	9689241740
300:5	9689241741
400:5	9689241742
500:5	9689241743
600:5	9689241744
800:5	9689241745
1000:5	9689241746
1200:5	9689241747
1500:5	9689241748
2000:5	9689241749
3000:5	9689241750

Excitation Curves:

100:5	Contact Factory
150:5	9689241671
200:5	9689241671
300:5	9689241671
400:5	9689241671
500:5	9689241672
600:5	9689241672
800:5	9689241672
1000:5	9689241672
1200:5	9689241672
1500:5	9689241673
2000:5	9689241674
3000:5	9689241675

Outline Drawings:

Single ratio, No base	9928896
Dual ratio, No base	9928897
Single ratio, With base	9930953
Dual ratio, With base	9930954

Wiring Diagram refer to page 41, figure 3

Construction and Insulation

Please refer to General Product Information, item 1.5.

Core

Please refer to General Product Information, item 2.5.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.15.

Terminals

Please refer to General Product Information, item 4.14.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

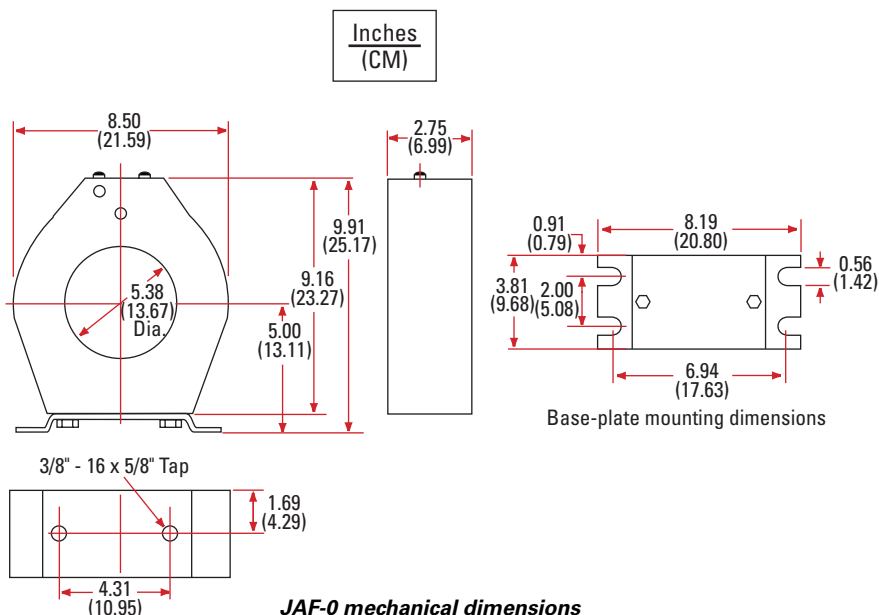
Please refer to General Product Information, item 5.12.

Nameplate

Please refer to General Product Information, item 6.6.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCS-0
50 A to 4,000 A
2.50" to 5.25" Window
50/60 Hz



JCS-0 current transformer

Application

Designed for indoor service; suitable for operating meters, relays and control devices on circuits not exceeding 600 volts line-to-line. It may be used on higher voltage circuits with an insulated conductor, as described in the Applications Section of this volume.

Regulatory Agency Approvals

UL Recognized File E123616

Weight - Shipping/Net

(approximate, in pounds)

Transformer; all models except 75X010038 32/28
Transformer; model 75X010038 53/47
Optional Base Plate 1.5/1.5

Reference Drawings

Accuracy Curves:

50:5 Contact Factory
100:5 Contact Factory
200:5 Contact Factory
300:5 Contact Factory
400:5 9689241355
600:5 9689241356
800:5 9689241237
1200:5 9689241238
1500:5 9932600217
2000:5 9689241240
3000:5 9689241357

JCS-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz		Continuous Thermal-Current Rating Factor		One-Second Thermal Limit, in Amperes		Catalog Number		
	Meter Class, Burden	Relay Class	30°C Ambient	55°C Ambient	Secondary Short-Circuited	Secondary With Burden B-0.5 or Greater	With Base	Without Base	
Single-Ratio									
50:5	1.2 thru B-0.1	C15	1.33	1.0	4,600	60,000	750X010038	750X010001	
100:5	---	C15	1.33	1.0	4,400	60,000	750X010039	750X010002	
200:5	0.6 thru B-0.1	C20	2.0	1.5	9,200	60,000	750X010041	750X010004	
300:5	0.6 thru B-0.2	C50	2.0	1.5	13,800	33,000	750X010042	750X010005	
400:5	0.3 thru B-0.1	C50	2.0	1.5	18,400	120,000	750X010043	750X010006	
600:5	0.3 thru B-0.5	C100	2.0	1.5	27,600	66,000	750X010045	750X010008	
800:5	0.3 thru B-1.0	C100	2.0	1.5	36,800	104,000	750X010046	750X010009	
1000:5	0.3 thru B-1.0	C100	2.0	1.5	36,800	104,000	750X010047	750X010010	
1200:5	0.3 thru B-2.0	C200	2.0	1.5	55,200	55,200	750X010048	750X010011	
1500:5	0.3 thru B-2.0	C200	1.5	1.0	69,000	69,000	750X010049	750X010012	
1600:5	0.3 thru B-2.0	C200	1.5	1.0	69,000	69,000	750X010050	750X010013	
2000:5	0.3 thru B-2.0	C200	1.5	1.0	146,000	146,000	750X010051	750X010014	
2500:5	0.3 thru B-2.0	C200	1.5	1.0	146,000	146,000	750X010052	750X010015	
3000:5	0.3 thru B-2.0	C200	1.33	1.0	216,000	300,000	750X010053	750X010016	
4000:5	0.3 thru B-2.0	C200	1.33	1.0	400,000	400,000	750X010054	750X010017	
Multi-Ratio									
100/200/300/400/ 500/600/800/900/ 1000/1200:5	0.3 thru B-2.0	C200	2.0	1.5	---	---	750X010069	---	
300/400/500/800/ 1100/1200/1500/ 1600/2000:5	0.3 thru B-2.0	C200	1.5	1.0	---	---	750X010070	---	
200/400/600/800/ 1200/1400/1600/ 1800/2000:5	0.3 thru B-2.0	C200	1.5	1.0	---	---	750X010073	---	
500/1000/ 1500/2000/ 2500/3000:5	0.3 thru B-2.0	C200	1.33	1.0	---	---	750X010071	---	
1000/1000/ 2000/2000/ 3000/4000:5	0.3 thru B-2.0	C200	1.33	1.0	---	---	750X010072	---	



Data subject to change without notice.

Excitation Curve 9689241475

Outline Drawings:

- Single-Ratio Models 8949760
- Multi-Ratio Model 750X010069 8949826
- Multi-Ratio Model 750X010070 8949872
- Multi-Ratio Model 750X010073 8949913
- Multi-Ratio Model 750X010071 8949861
- Multi-Ratio Model 750X010072 8949873

Wiring Diagram refer to page 41, figure 3

Accessories Catalog Number
 Base Plate 8944637064

Construction and Insulation
 Please refer to General Product Information, item 1.5.

Core
 Please refer to General Product Information, item 2.5.

Primary Winding
 Please refer to General Product Information, item 3.9.

Secondary Winding
 Please refer to General Product Information, item 3.16.

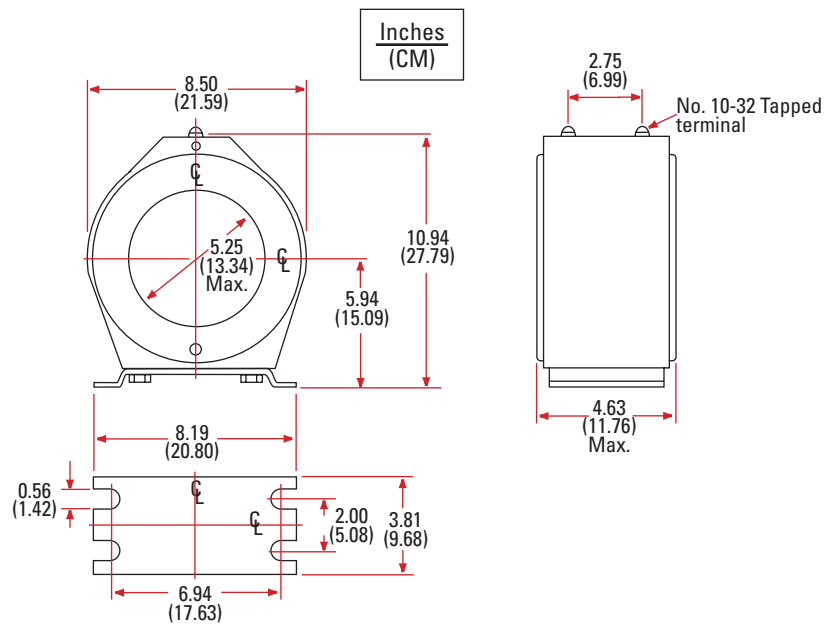
Terminals
 Please refer to General Product Information, item 4.14.

Polarity
 Please refer to General Product Information, item 7.3.

Baseplate and Mounting
 Please refer to General Product Information, item 5.12.

Nameplate
 Please refer to General Product Information, item 6.6.

Maintenance
 Please refer to General Product Information, item 10.1 and pages 24-27.



JCS-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCP-0
800 A to 4,000 A
5.375" Window
50/60 Hz



JCP-0 current transformer, dual ratio

Application

Designed for indoor and outdoor service; suitable for operating meters, relays and control devices on circuits not exceeding 600 volts line-to-line. It may be used on higher voltage circuits with an insulated conductor, as described in the Applications Section of this volume.

Regulatory Agency Approvals

UL Recognized File E96707

Weight - Shipping/Net

(approximate, in pounds)

Transformer 32/28

Reference Drawings:

Accuracy Curves at 60 Hz:

800:5	9689241269
1200:5	5453770
1500:5	5454067
2000:5	5454068
3000:5	9689241373
4000:5	5454070
1000/2000:5	9689241970
1500/3000:5	5454083
2000/4000:5	5454084

Excitation Curve 9689241948

Outline Drawings:

Single-Ratio	8949762
Dual-Ratio	8949829

Wiring Diagram refer to page 41, figure 3

Accessories Catalog Number

Secondary Conduit Attachment 8949398002

JCP-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz				Relay Class	Continuous Thermal-Current Rating Factor 30°C Ambient	Catalog Number
	Meter Class, Burden			Relay Class			
	B-0.1 to B-0.5	B-1	B-2				
100:5	0.3	0.6	0.6	--	2.0	750X015001	
600:5	0.3	0.3	0.3	C100	2.0	750X015002	
800:5	0.3	0.3	0.3	C100	2.0	750X015003	
1200:5	0.3	0.3	0.3	C200	2.0	750X015005	
1500:5	0.3	0.3	0.3	C200	2.0	750X015006	
2000:5	0.3	0.3	0.3	C200	1.5	750X015007	
3000:5	0.3	0.3	0.3	C200	1.33	750X015009	
4000:5	0.3	0.3	0.3	C200	1.33	750X015010	
1000/2000:5	0.3	0.6	0.6	C100	2.0	750X015011	
	0.3	0.3	0.3	C200	1.5		
1500/3000:5	0.3	0.3	0.6	C100	2.0	750X015012	
	0.3	0.3	0.3	C200	1.33		
2000/4000:5	0.3	0.3	0.6	C100	1.5	750X015013	
	0.3	0.3	0.3	C200	1.33		



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.2.

Secondary

Winding

Please refer to General Product Information, item 3.16.

Terminals

The single-ratio transformers have two terminals and one terminal cover; the double-ratio transformers have four terminals with two terminal covers. The terminals are fixed, 1/4 inch-28 threaded brass studs. Each is supplied with a cup washer, lock washer and nut.

A molded phenolic piece between the two terminals serves as a mounting block for the short-circuit device and as a base for the terminal cover. It also supports the brass sealing stud.

The terminal covers are molded phenolic. They are weather-resistant, and will not warp or distort from exposure. Each cover has a brass sealing nut which engages the brass sealing stud located half-way between the two terminals. The cover is reversible, having one position when the secondary short-circuiting switch is closed and no meter leads are connected, and a reverse position when the short-circuiting switch is open and meter leads are attached. The cover cannot be put in position to be sealed when the short-circuiting switch is closed and meter leads are connected.

The short-circuiting device is manually opened to give a positive action.

Each pair of secondary terminals on the double-ratio transformers is properly identified by an adjacent nameplate.

The entire secondary terminal structure is designed to be easily removed and reassembled in a reverse position. On the single-ratio transformers, this permits connecting meter leads on either side of the transformer.

Conduit Attachment

A secondary conduit attachment is available for the single-ratio transformers only. It is designed to be easily assembled on the transformer in place of the secondary terminal block. The conduit attachment, including cover, is made of aluminum with a black anodized finish. It is furnished with the necessary bushings, gaskets, clamp terminals, polarity marker, short-circuit strip, and cover, with four captive thumb screws and one pipe plug.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

The base plate is made of 1/8 inch stainless steel. It is attached by four stainless steel bolts.

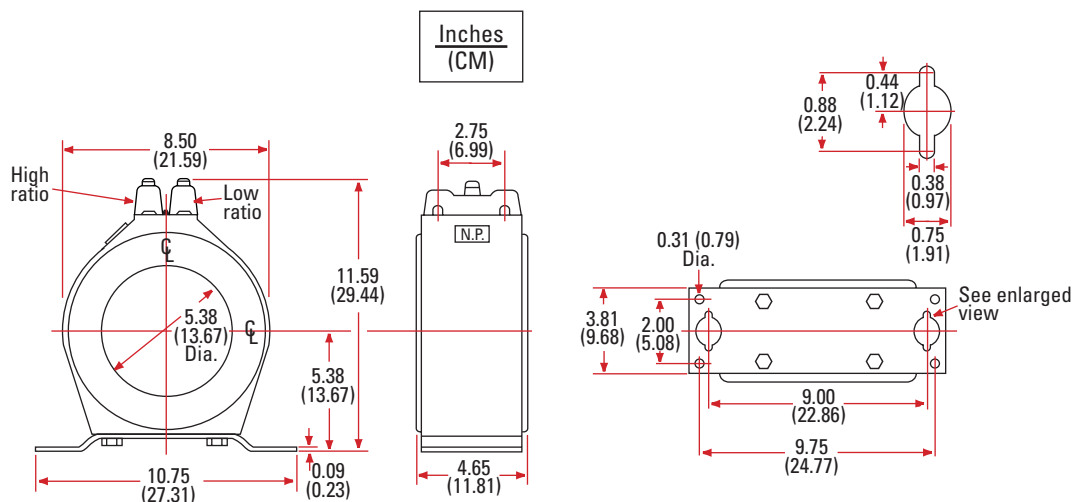
The JCP-0 transformer may be mounted on any flat surface such as a wall, crossarm, etc. A double keyhole in each end of the base permits setting the mounting bolts or lag-screws before placing the transformer in position. An optional method of mounting is made available by four 5/16 inch diameter holes, one in each corner of the base plate.

Nameplate

Please refer to General Product Information, item 6.4.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAG-0
100 A to 3,000 A
6.50" Window
50/60 Hz



JAG-0 current transformer

Application

Designed for indoor service; it is intended primarily for use in GE power vac switchgear equipment. For use on higher voltage circuits with an insulated primary conductor, please refer to the Applications Information section of this volume.

Regulatory Agency Approvals

UL Recognized File E123616

Weight - Shipping/Net

(approximate, in pounds)

Transformer27/25.5

Reference Drawings

Accuracy Curves at 60 Hz:

100:5	9932600156
150:5	9932600022
200:5	9689241860
250:5	Contact Factory
300:5	9689241861
400:5	9689241862
500:5	Contact Factory
600:5	9689241863
800:5	9689241864
1000:5	Contact Factory
1200:5	9689241865
1500:5	9689241866
2000:5	9689241867
2500:5	9689241913
3000:5	9689241868

JAG-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz		Continuous Thermal-Current Rating Factor		Catalog Number
	Meter Class, Burden	Relay Class	30°C Ambient	55°C Ambient	
Single-Ratio					
100:5	1.2 through B-0.1	C10	4.0	4.0	750X010500
150:5	0.6 through B-0.1	C20	4.0	4.0	750X010501
200:5	0.6 through B-0.1	C25	4.0	4.0	750X010502
250:5	0.6 through B-0.1	C30	4.0	4.0	750X010503
300:5	0.3 through B-0.1	C35	4.0	4.0	750X010504
400:5	0.3 through B-0.2	C55	4.0	3.0	750X010505
500:5	0.3 through B-0.2	C60	3.0	2.0	750X010506
600:5	0.3 through B-0.5	C80	2.0	2.0	750X010507
800:5	0.3 through B-0.5	C100	2.0	1.5	750X010508
1000:5	0.3 through B-1.0	C110	2.0	1.5	750X010509
1200:5	0.3 through B-2.0	C150	2.0	1.5	750X010510
1500:5	0.3 through B-2.0	C200	2.0	1.5	750X010511
2000:5	0.3 through B-2.0	C200	1.5	1.33	750X010512
2500:5	0.3 through B-2.0	C200	1.5	1.1	750X010513
3000:5	0.3 through B-2.0	C250	1.33	1.0	750X010514
3000:3.75	0.3 through B-2.0 ①	C200 ①	1.5	1.33	750X010515
Multi-Ratio					
100/200/300/ 400/500/600:5	0.3 through B-0.5	C80	2.0	2.0	750X010534
200/400/600/ 800/1000/1200:5	0.3 through B-0.5	C150	2.0	2.0	750X010535
400/800/800/ 1200/1600/2000:5	0.3 through B-0.5	C200	2.0	2.0	750X010536
500/1000/1500/ 2000/2500/3000:5	0.3 through B-0.5	C250	2.0	2.0	750X010537
600/1200/1200/ 1800/2400/3000:3.75	0.3 through B-0.5	C200 ①	2.0	2.0	750X010540

Note

① Based on burdens established at 5 Amperes.



Data subject to change without notice.

Excitation Curves:

100:5	9689241859
150:5	9689241806
200:5	9689241806
250:5	9689241806
300:5	9689241806
400:5	9689241807
500:5	9689241807
600:5	9689241807
800:5	9689241807
1000:5	9689241807
1200:5	9689241807
1500:5	9689241807
2000:5	9689241808
2500:5	9689241809
3000:5	9689241808

Outline Drawings:

Single-Ratio Transformer	9932471
Multi-Ratio Transformer	9932486

Wiring Diagram refer to page 41, figure 3
and page 45, figure 13

Construction and Insulation

Please refer to General Product Information, item 1.5.

Core

Please refer to General Product Information, item 2.5.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.15.

Terminals

Please refer to General Product Information, item 4.14.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

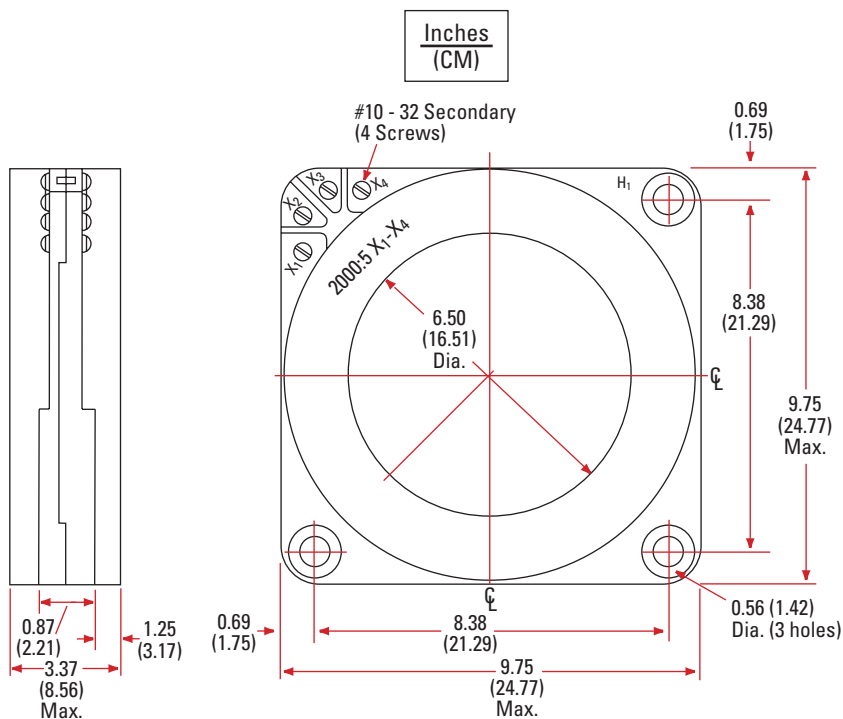
Mounting is accomplished using the three inch holes located in the corners of the transformer. No base plate is available for the JAG-0 transformer.

Nameplate

Please refer to General Product Information, item 6.6.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.




JAG-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAG-0C Standard Relay
50 A to 5,000 A
6.50" Window
50/60 Hz




*JAG-0C Standard Relay
current transformer*

Application

Designed for indoor service; it is intended primarily for use in GE power vac switchgear equipment. For use on higher voltage circuits with an insulated primary conductor, please refer to the Applications Information section of this volume. It is constructed with a plastic (Noryl™) case. It is intended primarily for use in GE Power/VAC® switchgear.

Regulatory Agency Approvals

UL Recognized File E123616

Weight - Shipping/Net

(approximate, in pounds)

Transformer 28/26

JAG-0C STANDARD RELAY DATA TABLE					
Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz		Continuous Thermal-Current Rating Factor		Catalog Number
	Meter Class, Burden	Relay Class	30°C Ambient	55°C Ambient	
Single-Ratio					
50:5	2.4 through B-0.1		4.0	3.0	750X110600
75:5	2.4 through B-0.2	C10	4.0	3.0	750X110601
100:5	1.2 through B-0.1	C10	4.0	3.0	750X110500
150:5	0.6 through B-0.1	C20	4.0	3.0	750X110501
200:5	0.6 through B-0.1	C25	4.0	3.0	750X110502
250:5	0.6 through B-0.1	C30	4.0	3.0	750X110503
300:5	0.3 through B-0.1	C50	4.0	3.0	750X110504
400:5	0.3 through B-0.2	C55	3.0	2.0	750X110505
500:5	0.3 through B-0.2	C100	3.0	2.0	750X110506
600:5	0.3 through B-0.5	C100	2.0	1.5	750X110507
750:5	0.3 through B-0.5	C100	2.0	1.5	750X110602
800:5	0.3 through B-0.5	C100	2.0	1.5	750X110508
1000:5	0.3 through B-0.9	C200	2.0	1.5	750X110509
1200:5	0.3 through B-1.8	C200	2.0	1.5	750X110510
1500:5	0.3 through B-1.8	C200	2.0	1.5	750X110511
1600:5	0.3 through B-1.8	C200	1.5	1.1	750X110903
2000:5	0.3 through B-1.8	C200	1.5	1.1	750X110512
2500:5	0.3 through B-1.8	C200	1.5	1.1	750X110513
3000:5	0.3 through B-1.8	C250	1.33	1.0	750X110514
3200:5	0.3 through B-1.8	C200	1.33	1.0	750X110603
3500:5	0.3 through B-1.8	C200	1.33	1.0	750X110604
4000:5	0.3 through B-1.8	C200	1.2	0.90	750X110605
5000:5	0.3 through B-1.8	C200	1.0	0.75	750X110606
Dual-Ratio					
200/400:5	0.3 through B-0.2	C55	3.0	2.0	750X110525
300/600:5	0.3 through B-0.5	C100	2.0	1.5	750X110527
400/800:5	0.3 through B-0.5	C120	2.0	1.5	750X110528
600/1200:5	0.3 through B-1.8	C200	2.0	1.5	750X110530
1000/2000:5	0.3 through B-1.8	C200	1.5	1.1	750X110532
Multi-Ratio					
50/100/150/200/ 250/300/400/450/ 500/600:5	0.3 through B-0.5	C100	2.0	1.5	750X110607
100/200/300/400/ 500/600/800/900/ 1000/1200:5	0.3 through B-1.8	C200	2.0	1.5	750X110608
300/400/500/800/ 1100/1200/1500/ 1600/2000:5	0.3 through B-1.8	C200	1.5	1.1	750X110609
300/500/800/1000/ 1200/1500/2000/ 2200/2500/3000:5	0.3 through B-1.8	C250	1.33	1.0	750X110610
500/1000/1500/ 2000/2500/3000/ 3500/4000:5	0.3 through B-1.8	C200	1.2	0.80	750X110611



Data subject to change without notice.

Reference Drawings

Excitation Curves:

50:5 through 1600:5	9932600170
2000:5 through 5000:5	9932600169
Dual Ratio	
200/400:5	9932600172
300/600:5	9932600173
600/1200:5	9932600174
1000/2000:5	9932600175
Multiple Ratio	
Catalog number 750X110607	9932600181
Catalog number 750X110608	9932600182
Catalog number 750X110609	9932600183
Catalog number 750X110610	9932600187
Catalog number 750X110611	9932600188

Outline Drawings:

Single-Ratio Transformer	9932471
Multi-Ratio Transformer	9932486

Wiring Diagram refer to page 41, figure 3 and page 45, figure 13

Construction and Insulation

Please refer to General Product Information, item 1.9.

Core

Please refer to General Product Information, item 2.5.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.15.

Terminals

Please refer to General Product Information, item 4.14.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

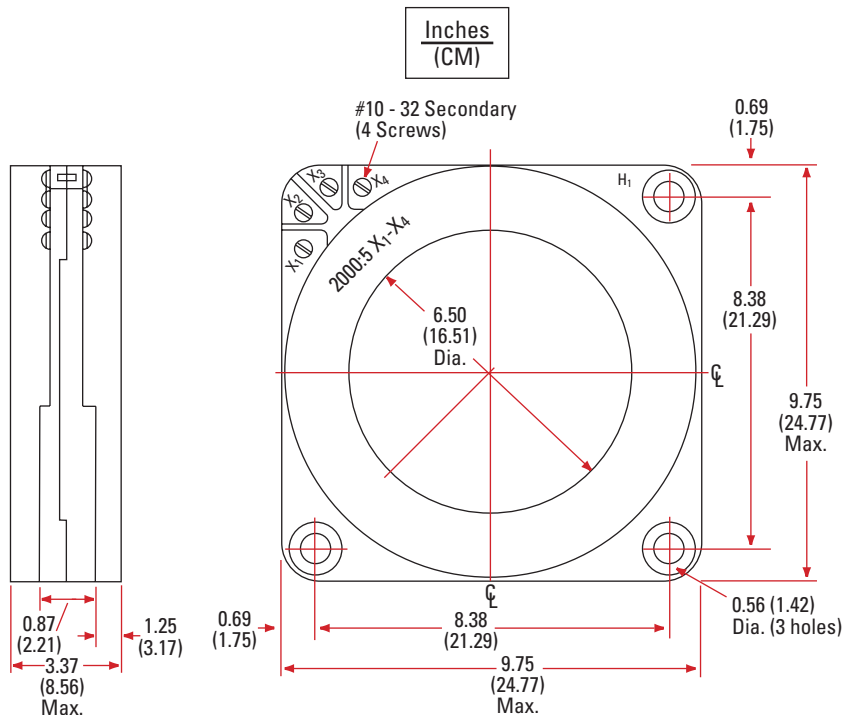
Mounting is accomplished using the three 0.56-inch holes located in the corners of the transformer. No base plate is available for the JAG-0C Standard Relay transformer.

Nameplate

Please refer to General Product Information, item 6.6.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JAG-0C Standard Relay mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAG-0C High Relay
50 A to 4,000 A
6.50" Window
50/60 Hz



JAG-0C High Relay current transformer

Application

Designed for indoor service; it is intended primarily for use in GE power vac switchgear equipment. For use on higher voltage circuits with an insulated primary conductor, please refer to the Applications Information section of this volume. It is constructed with a plastic (Noryl™) case. It is intended primarily for use in GE Power/VAC® switchgear.

Regulatory Agency Approvals

UL Recognized File E123616

Weight - Shipping/Net

(approximate, in pounds)

Transformer58/56

JAG-0C HIGH RELAY DATA TABLE					
Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz		Continuous Thermal-Current Rating Factor		Catalog Number
	Meter Class, Burden	Relay Class	30°C Ambient	55°C Ambient	
Single-Ratio					
50:5	1.2 through B-0.1	C10	4.0	3.0	750X110650
75:5	1.2 through B-0.2	C20	4.0	3.0	750X110651
100:5	0.6 through B-0.1	C20	4.0	3.0	750X110652
150:5	0.6 through B-0.2	C50	4.0	3.0	750X110653
200:5	0.3 through B-0.2	C50	4.0	3.0	750X110654
250:5	0.3 through B-0.2	C50	4.0	3.0	750X110655
300:5	0.3 through B-0.5	C100	3.0	2.0	750X110656
400:5	0.3 through B-0.5	C100	3.0	2.0	750X110657
500:5	0.3 through B-0.9	C100	3.0	2.0	750X110658
600:5	0.3 through B-0.9	C200	2.0	1.5	750X110659
750:5	0.3 through B-1.8	C200	2.0	1.5	750X110660
800:5	0.3 through B-1.8	C200	2.0	1.5	750X110661
1000:5	0.3 through B-1.8	C200	2.0	1.5	750X110662
1200:5	0.3 through B-1.8	C400	1.5	1.1	750X110663
1500:5	0.3 through B-1.8	C400	1.5	1.1	750X110664
1600:5	0.3 through B-1.8	C400	1.5	1.1	750X110665
2000:5	0.3 through B-1.8	C400	1.5	1.1	750X110666
2500:5	0.3 through B-1.8	C400	1.33	1.0	750X110667
3000:5	0.3 through B-1.8	C400	1.2	0.9	750X110668
4000:5	0.3 through B-1.8	C400	1.0	0.75	750X110669
Multi-Ratio					
50/100/150/200/ 250/300/400/450/ 500/600:5	0.3 through B-0.9	C200	2.0	1.5	750X110670
100/200/300/400/ 500/600/800/900/ 1000/1200:5	0.3 through B-1.8	C400	1.5	1.1	750X110671
300/400/500/800/ 1100/1200/1500/ 1600/2000:5	0.3 through B-1.8	C400	1.5	1.1	750X110672
300/500/800/1000/ 1200/1500/2000/ 2200/2500/3000:5	0.3 through B-1.8	C400	1.2	0.9	750X110673
500/1000/1500/ 2000/2500/3000/ 3500/4000:5	0.3 through B-1.8	C400	1.0	0.75	750X110674



Data subject to change without notice.

Reference Drawings

Excitation Curves:

50:5	9932600171
75:5	9932600186
100:5	9932600171
150:5	9932600186
200:5	9932600186
250:5	9932600171
300:5	9932600186
400:5	9932600171
500:5	9932600184
600:5	9932600186
750:5	9932600186
800:5	9932600171
1000:5	9932600184
1200:5	9932600186
1500:5	9932600186
1600:5	9932600171
2000:5	9932600184
2500:5	9932600184
3000:5	9932600184
4000:5	9932600184
Multiple Ratio	
Catalog number 750X110670	9932600176
Catalog number 750X110671	9932600177
Catalog number 750X110672	9932600178
Catalog number 750X110673	9932600179
Catalog number 750X110674	9932600180

Outline Drawings:

Single-Ratio Transformer	9932471
Multi-Ratio Transformer	9932486

Wiring Diagram refer to page 41, figure 3
and page 45, figure 13

Construction and Insulation

Please refer to General Product Information, item 1.9.

Core

Please refer to General Product Information, item 2.5.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.15.

Terminals

Please refer to General Product Information, item 4.14.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

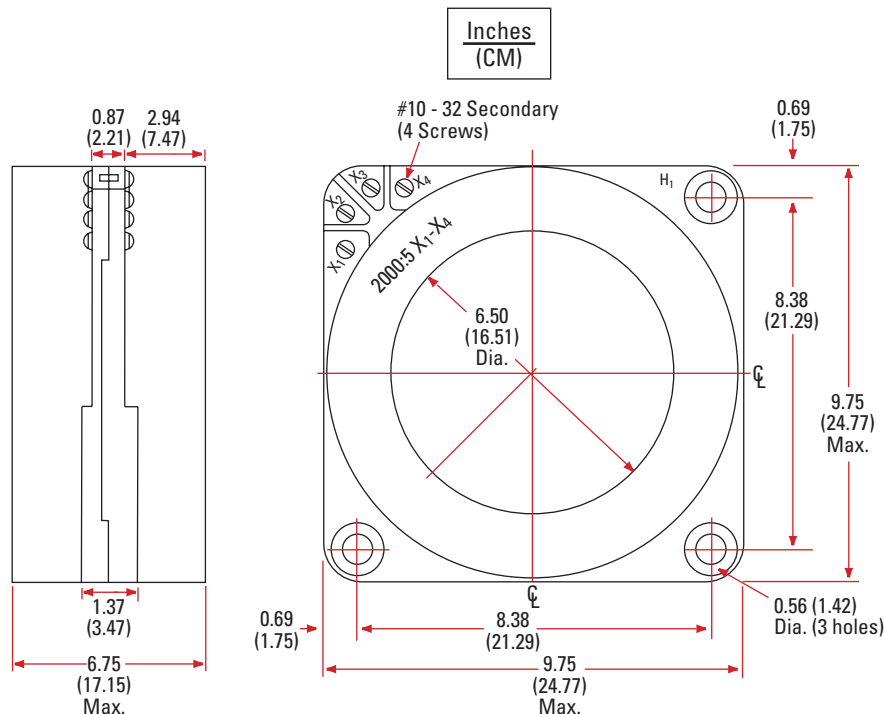
Mounting is accomplished using the three 0.56-inch holes located in the corners of the transformer. No base plate is available for the JAG-0C High Relay transformer.

Nameplate

Please refer to General Product Information, item 6.6.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.




JAG-0C High Relay mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCG-0
50 A to 10,000 A
10.50" to 12.00" Window
50/60 Hz



Application

Designed for indoor service; primary application is for ground-sensor relaying equipment.

Regulatory Agency Approvals

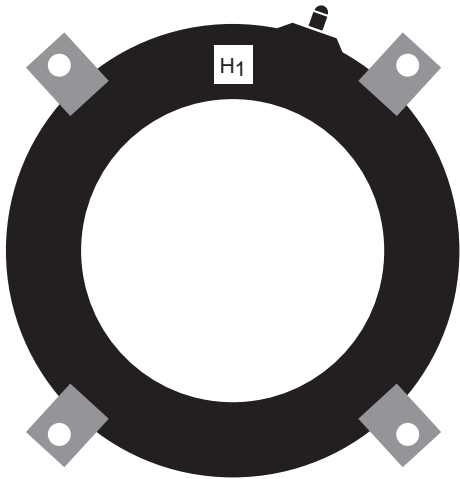
UL Recognized File E123616

Weight - Shipping/Net

(approximate, in pounds)
 Transformer; all models 180/172

Reference Drawings

- Accuracy Curves:
- 50:5 Contact Factory
 - 2000:5 9689241955
 - 3000:5 9689241955
 - 4000:5 Contact Factory
 - 8000:5 Contact Factory
 - 10,000:5 Contact Factory
- Excitation Curves:
- 50:5 9689241468
 - 2000:5 Contact Factory
 - 3000:5 Contact Factory
 - 4000:5 Contact Factory
 - 8000:5 9932600089
 - 10,000:5 9932600128
- Outline Drawings:
- Single-Ratio Model 750X061101 9928713
 - Single-Ratio Models
 750X061115, -16, -17 9932475
 - Single-Ratio Models 750X061120, -14 9926280
 - Multi-Ratio Model 750X061118 9932476
 - Multi-Ratio Model 750X061119 9932477
 - Wiring Diagram refer to page 41, figure 3



JCG-0 current transformer

JCG-0 DATA TABLE							
Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz		Continuous Thermal-Current Rating Factor		Window		Catalog Number
	Meter Class, Burden	Relay Class	30°C Ambient	55°C Ambient	ID (Inches)	Thickness (Inches)	
Single-Ratio							
50:5	---	C10	1.33	1.0	12.00	7.50	750X061101
2000:5	---	---	1.33	1.0	10.50	4.75	750X061115
3000:5	---	---	1.33	1.0	10.50	4.75	750X061116
4000:5	---	---	1.25	0.75	10.50	4.75	750X061117
8000:5	0.3 thru B-2.0	C400	1.0	0.75	12.00	4.00	750X061120
10000:5	0.3 thru B-2.0	C400	1.0	0.75	12.00	4.00	750X061114
Multi-Ratio							
200/400/600/800/ 800/1200/1400/ 1600/1800/2000:5	---	---	1.33	1.0	10.50	4.75	750X061118
500/500/1000/1000/ 1000/1500/2000/ 2000/2500/3000:5	---	---	1.33	1.0	10.50	4.75	750X061119



Data subject to change without notice.

Construction and Insulation

The Type JCG-0 uses varnish impregnated construction. There is no primary winding; the line conductor which is passed through the window serves as the transformer primary.

Core

Please refer to General Product Information, item 2.2.

Primary Winding

Please refer to General Product Information, item 3.9.

Secondary Winding

Please refer to General Product Information, item 3.17.

Terminals

Please refer to General Product Information, item 4.14.

Polarity

Please refer to General Product Information, item 7.3.

Baseplate and Mounting

The JCG-0 has four (4) 3/8 inch thick pads with 1/16 inch diameter holes for surface mounting.

Nameplate

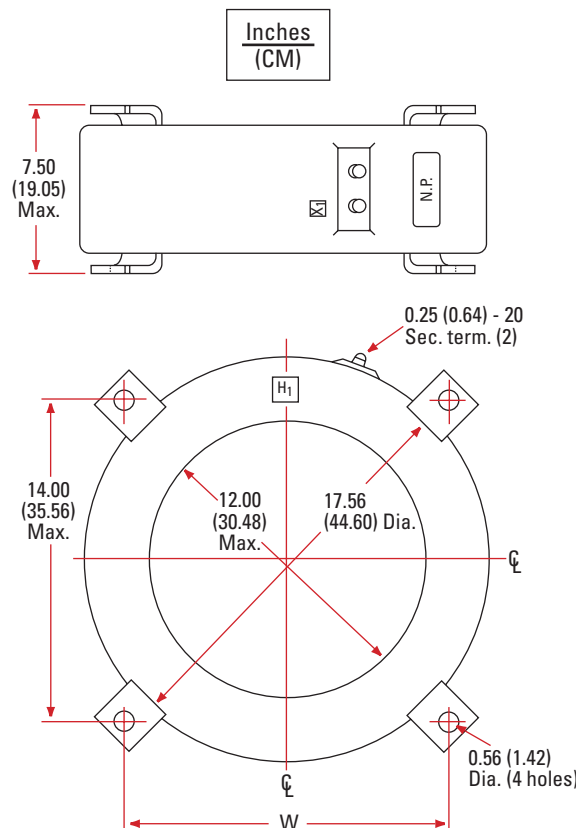
The nameplate is attached to the top surface of the transformer and is a permanent, integral part of the transformer.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Notes

1. Due to the weight of the JCG-0, additional support may be required.
2. Other ratios are available. Please contact the factory.



JCG-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCW-0
200 A to 400 A
1.50" to 2.00" Window
50/60 Hz



JCW-0 current transformer, with low base

Application

Designed for indoor and outdoor service; suitable for operating meters and instruments, on both single-phase and polyphase circuits.

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base	
200:5 Current Ratio	5.75/5.5
400:5 Current Ratio	4.25/4.0
Low Base, add	0.75/0.75
High (EEI) Base, add	1.25/1.25
Extra-wide Base, add	0.5/0.5

Reference Drawings

Accuracy Curves at 60 Hz:

200:5	9689241249
400:5	9689241248
Excitation Curve	9689241258

Outline Drawings:

Transformer, No Base, w/Secondary Cover	A99308001
Removable Primary Bar	
200:5	9926129009
400:5	9926129010
Low Base, w/Secondary Cover	A9930803
High Base, w/Secondary Cover	A9930805
Wiring Diagram	refer to page 41, figure 3

Accessories Catalog Number

Low Base	8944637065
High (EEI) Base	8944637066
Extra-wide Base	8944637967

JCW-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz Burden Per ANSI			Continuous Thermal-Current Rating Factor		Window Diameter (in Inches)	Catalog Number
	B-0.1	B-0.2	B-0.5	30°C Ambient	55°C Ambient		
Without Base							
200:5	0.3	0.3	0.3	3.0	2.0	1.50	750X032203
300:5	0.3	0.3	0.3	2.0	1.5	2.00	750X032206
400:5	0.3	0.3	0.3	2.0	1.5	2.00	750X032204
With Low Base							
200:5	0.3	0.3	0.3	3.0	2.0	1.50	750X032213
300:5	0.3	0.3	0.3	2.0	1.5	2.00	750X032220
400:5	0.3	0.3	0.3	2.0	1.5	2.00	750X032214
With High (EEI) Base							
200:5	0.3	0.3	0.3	3.0	2.0	1.50	750X032223
300:5	0.3	0.3	0.3	2.0	1.5	2.00	750X032226
400:5	0.3	0.3	0.3	2.0	1.5	2.00	750X032224



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.1.

Window

The window has ample size to accommodate cables of current-carrying capacity equal to or greater than the transformer rating.

Primary Bars

Removable tin-plated primary bars are available for all ratings of the JCW-0 type transformer. The primary copper bar is held in place in the transformer window by serrated butyl bushings molded to the bar. The primary bar may be easily inserted or removed from the transformer window by pushing the bar in the direction of the arrow embossed near the terminal surface.

Secondary Terminals

Please refer to General Product Information, item 4.11.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

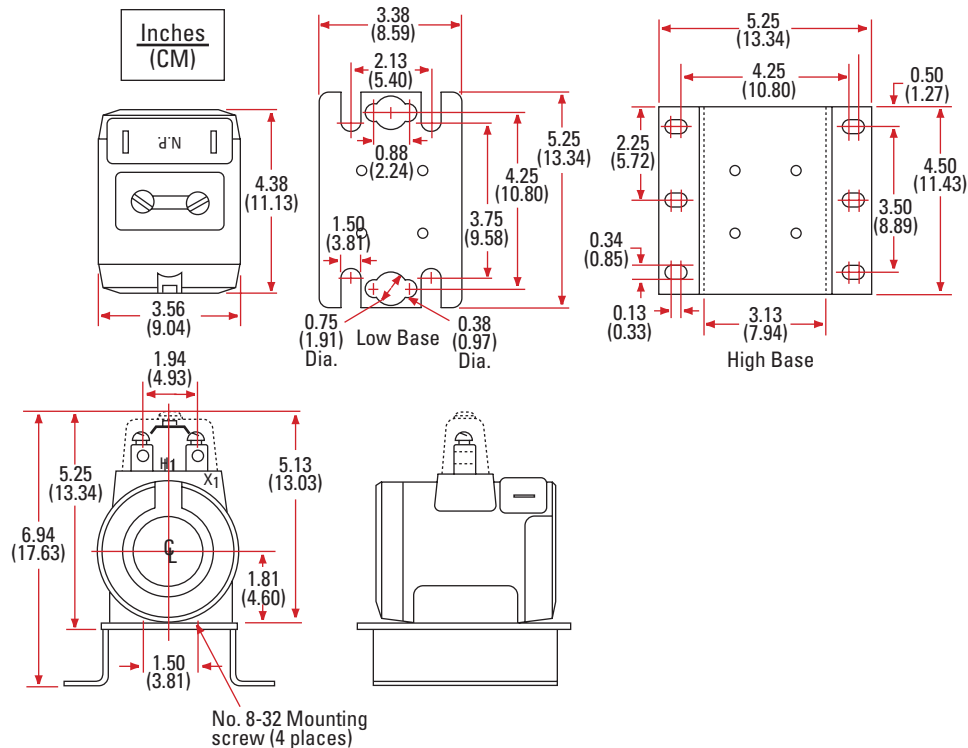
Please refer to General Product Information, item 5.7.

Nameplate

Please refer to General Product Information, item 6.4.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JCW-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCT-0
200 A to 800 A
50/60 Hz



JCT-0 with low base and without secondary hardware and cover

Application

Designed for indoor service; suitable for operating meters and instruments, on both single-phase two-wire circuits, and polyphase circuits.

Regulatory Agency Approvals

UL Recognized File E123616

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base 7.5/7.0

Low Base, add 0.25/0.25

High (EEI) Base, add 1/1

Reference Drawings

Accuracy Curves at 60 Hz:

200:5 A 9689241592

400:5 A 9689241593

600:5 A 9689241594

800:5 A 9689241595

Outline Drawing 9926313

Wiring Diagram refer to page 41, figure 3

JCT-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz Burden Per ANSI			Continuous Thermal Current Rating Factor		Catalog Number	
	B-0.1	B-0.2	B-0.5	30°C Ambient	55°C Ambient	With Secondary Hardware and Cover	Without Secondary Hardware and Cover
Without Base							
200:5	0.3	0.3	0.6	2.0	1.5	750X023202	750X023102
400:5	0.3	0.3	0.6	2.0	1.5	750X023204	750X023104
600:5	0.3	0.3	0.3	2.0	1.5	750X023206	750X023106
800:5	0.3	0.3	0.3	1.5	1.0	750X023208	750X023108
With Low Base							
200:5	0.3	0.3	0.6	2.0	1.5	750X023212	750X023112
400:5	0.3	0.3	0.6	2.0	1.5	750X023214	750X023114
600:5	0.3	0.3	0.3	2.0	1.5	750X023216	750X023116
800:5	0.3	0.3	0.3	1.5	1.0	750X023218	750X023118
With High (EEI) Base							
200:5	0.3	0.3	0.6	2.0	1.5	750X023222	750X023122
400:5	0.3	0.3	0.6	2.0	1.5	750X023224	750X023124
600:5	0.3	0.3	0.3	2.0	1.5	750X023226	750X023126
800:5	0.3	0.3	0.3	1.5	1.0	750X023228	750X023128



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.1.

Core

Please refer to General Product Information, item 2.2.

Primary Bars

Please refer to General Product Information, item 4.1.

Secondary Winding

Please refer to General Product Information, item 3.14.

Terminals

Please refer to General Product Information, item 4.11.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

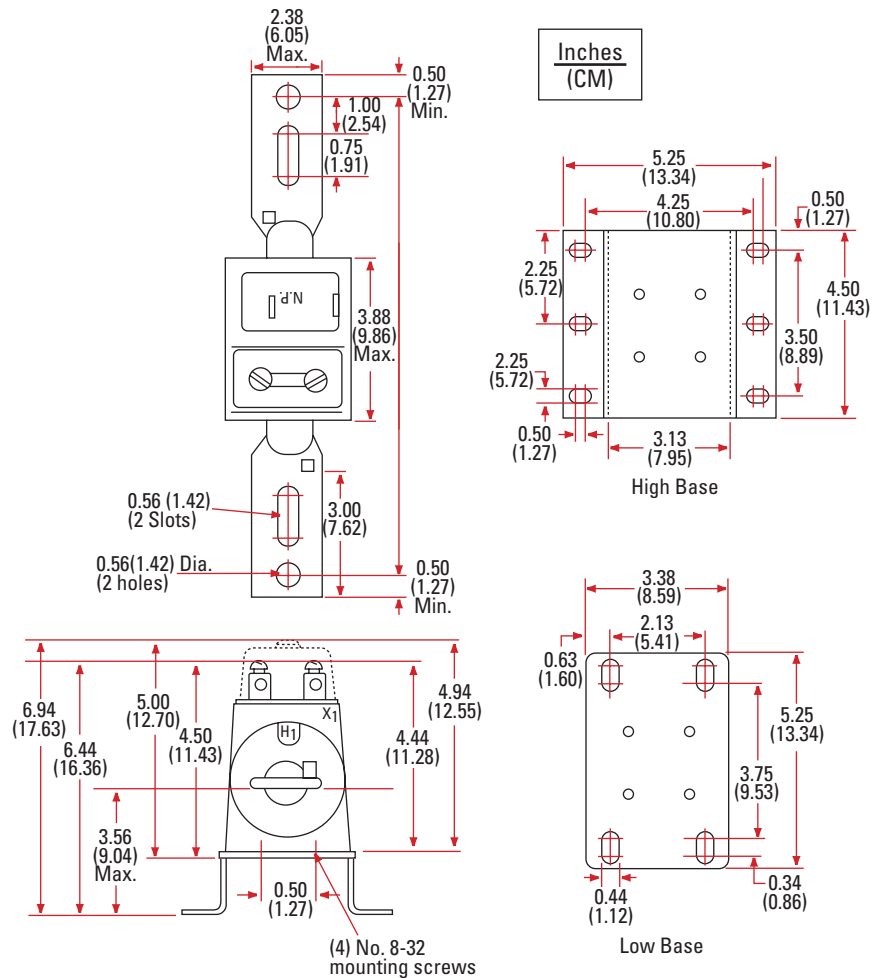
Please refer to General Product Information, item 5.8.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JCT-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCM-0
200 A to 400 A
50/60 Hz



JCM-0 with low base

Application

Designed for indoor service; suitable for operating meters and instruments, on both single-phase two-wire circuits, and polyphase circuits. The transformer is designed for high accuracy with high metering secondary burdens.

Continuous Thermal Current Rating Factor

30°C Ambient 2.0
 55°C Ambient 1.5

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base 6.25/5.75
 Low Base, add 0.25/0.25
 High (EEI) Base, add 1/1

Reference Drawings

Accuracy Curves at 60 Hz:

200:5 9689241306
 400:5 9689241307

Outline Drawings:

Transformer without base 9926190
 Wiring Diagram refer to page 41, figure 3

JCM-0 DATA TABLE				
Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz Burden Per ANSI			Catalog Number
	B-0.1	B-0.2	B-0.5	
Without Base				
200:5	0.3	0.3	0.3	750X025013
400:5	0.3	0.3	0.3	750X025014
With Low Base				
200:5	0.3	0.3	0.3	750X025021
400:5	0.3	0.3	0.3	750X025022
With High (EEI) Base				
200:5	0.3	0.3	0.3	750X025029
400:5	0.3	0.3	0.3	750X025030



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.1.

Primary Bars

The primary bars are non-removable. They consist of round copper tubes with the ends formed into flat terminal pads after insertion into the transformer. All terminal pads have a hole and a slot to accommodate different sizes of cable lugs. The pads are tin-plated. The primary bars conform to Joint Industry Specification, EEI Publication No. MSJ-11 for 600 V transformers.

A solderless, pressure-type potential connector is supplied. It is fastened by a screw through the terminal pad. The connector has a square base which fits into a square hole of similar size in the terminal pad. When tightened, the connector is prevented from turning. The connector can be mounted either above or below the terminal pad or changed from one terminal pad to the other.

Secondary Winding

Please refer to General Product Information, item 3.14.

Terminals

Please refer to General Product Information, item 4.11.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

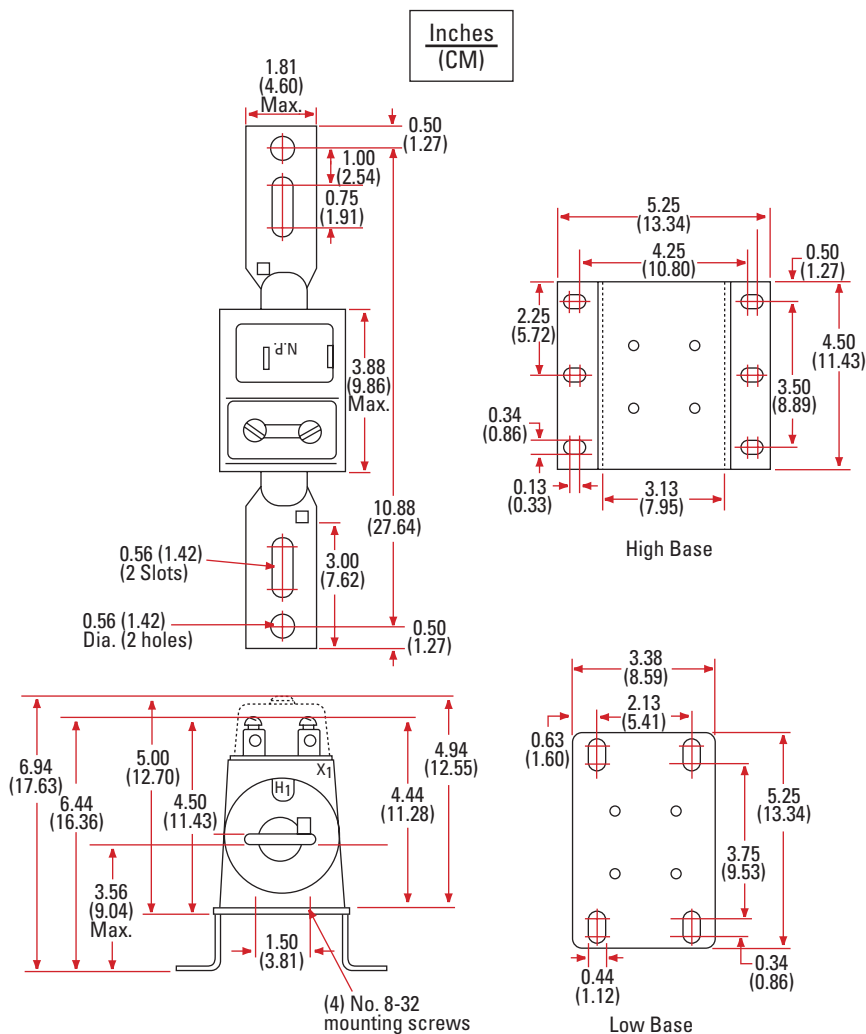
Please refer to General Product Information, item 5.8.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JCM-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JCR-0
100 A to 400 A
1.125" to 2.00" Window
50/60 Hz



JCR-0 with low base

Application

Designed for indoor and outdoor service; suitable for use in both single-phase and polyphase circuits in revenue metering.

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base 6.5/6.0
 Low Base, add 0.75/0.75
 High (EEI) Base, add 1.25/1.25
 Extra-wide Base, add 0.5/0.5

Reference Drawings

Accuracy Curves:

100:5 9932600120
 200:5 9932600031
 300:5 9932600032
 400:5 9689241315

Outline Drawings:

No Base 9930812
 Low Base 9930814
 High Base 9930816

Wiring Diagram refer to page 41, figure 3

Accessories Catalog Number

Low Base 8944637065
 High Base 8944637066
 Extra-wide Base 8944637067

JCR-0 DATA TABLE							
Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz Burden Per ANSI		Continuous Thermal Current Rating Factor		Window I.D. (Inches)	Catalog Number	
	B-0.1, B-0.2	B-0.5	30°C Ambient	55°C Ambient		With Secondary Hardware and Cover	Without Secondary Hardware and Cover
Without Base							
100:5	0.3	1.2	4.0	3.0	1.125	750X034072	750X034071
200:5	0.3	0.6	3.0	2.0	1.500	750X034053	750X034052
300:5	0.6	0.6	2.0	1.5	2.000	750X034022	750X034021
400:5	0.3	0.6	2.0	1.5	2.000	750X034004	750X034002
Low Base							
100:5	0.3	1.2	4.0	3.0	1.125	750X034074	750X034073
200:5	0.3	0.6	3.0	2.0	1.500	750X034055	750X034054
300:5	0.6	0.6	2.0	1.5	2.000	750X034024	750X034023
400:5	0.3	0.6	2.0	1.5	2.000	750X034008	750X034006
High (EEI) Base							
100:5	0.3	1.2	4.0	3.0	1.125	750X034076	750X034075
200:5	0.3	0.6	3.0	2.0	1.500	750X034057	750X034056
300:5	0.6	0.6	2.0	1.5	2.000	750X034026	750X034025
400:5	0.3	0.6	2.0	1.5	2.000	750X034012	750X034010



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.1.

Window

The window has ample size to accommodate cables of current-carrying capacity equal to or greater than the transformer rating.

Secondary Terminals

Please refer to General Product Information, item 4.11.

Maximum Secondary Lead Lengths

Please refer to General Product Information, item 11.1.

Polarity

Please refer to General Product Information, item 7.1.

Baseplate and Mounting

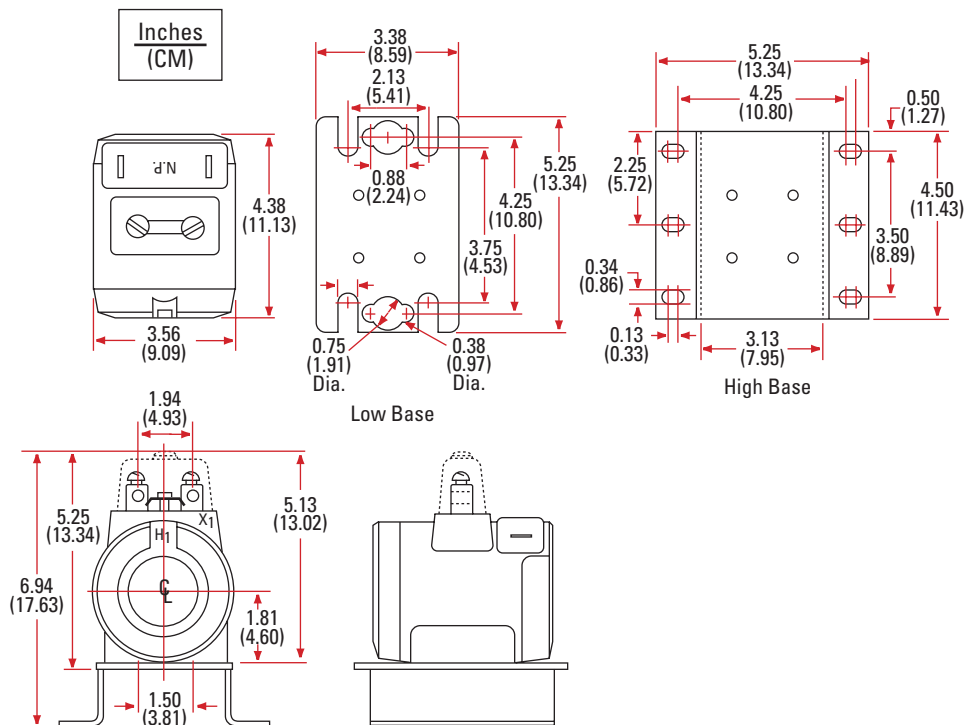
Please refer to General Product Information, item 5.7.

Nameplate

Please refer to General Product Information, item 6.4.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JCR-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JKM-0
10 A to 1,200 A
50/60 Hz



JKM-0 current transformer

Application

Designed for indoor service; suitable for operating meters, relays, and control devices.

Regulatory Agency Approvals

UL Recognized File E123616

ANSI Meter Accuracy Classification, 60 Hz

Meter Class Burden
 B-0.1, B-0.2, and B-0.5; all models 0.3

ANSI Relay Accuracy Classification

Relay Class; all models T50

Weight - Shipping/Net

(approximate, in pounds)
 Transformer 19/16

Reference Drawings

Accuracy Curves:
 10-300 and 600 A 9689241690
 400 and 800 A 9689241700
 Excitation Curve 9689241554
 Outline Drawing 9928734
 Wiring Diagram refer to page 41, figure 2

JKM-0 DATA TABLE

Current Ratio in Amperes; Pri:Sec	Continuous-Thermal Current Rating Factor		Mechanical Limit, Amperes	One-Second Thermal Limit, Amperes	Catalog Number
	30°C Ambient	55°C Ambient			
10:5	1.5	1.0	1,285	700	750X041001
15:5	1.5	1.0	1,260	1,050	750X041002
20:5	1.5	1.0	2,780	1,400	750X041003
25:5	1.5	1.0	3,700	1,750	750X041004
30:5	1.5	1.0	4,040	2,100	750X041005
40:5	1.5	1.0	5,340	2,800	750X041006
50:5	1.5	1.0	5,310	3,500	750X041007
75:5	1.5	1.0	8,950	5,250	750X041008
100:5	1.5	1.0	11,900	7,000	750X041009
150:5	1.5	1.0	18,350	12,000	750X041010
200:5	1.5	1.0	24,400	14,000	750X041011
300:5	1.5	1.0	36,700	22,500	750X041012
400:5	1.5	1.0	49,300	26,400	750X041013
600:5	1.5	1.0	104,000	56,400	750X041014
800:5	1.5	1.0	104,000	52,800	750X041015
1000:5	1.5	1.0	108,000	56,400	750X041016
1200:5	1.0	0.75	108,000	56,400	750X041017



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.2.

Core

Please refer to General Product Information, item 2.4.

Coils

Please refer to General Product Information, item 3.6.

Primary

Terminals

Please refer to General Product Information, item 4.3.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

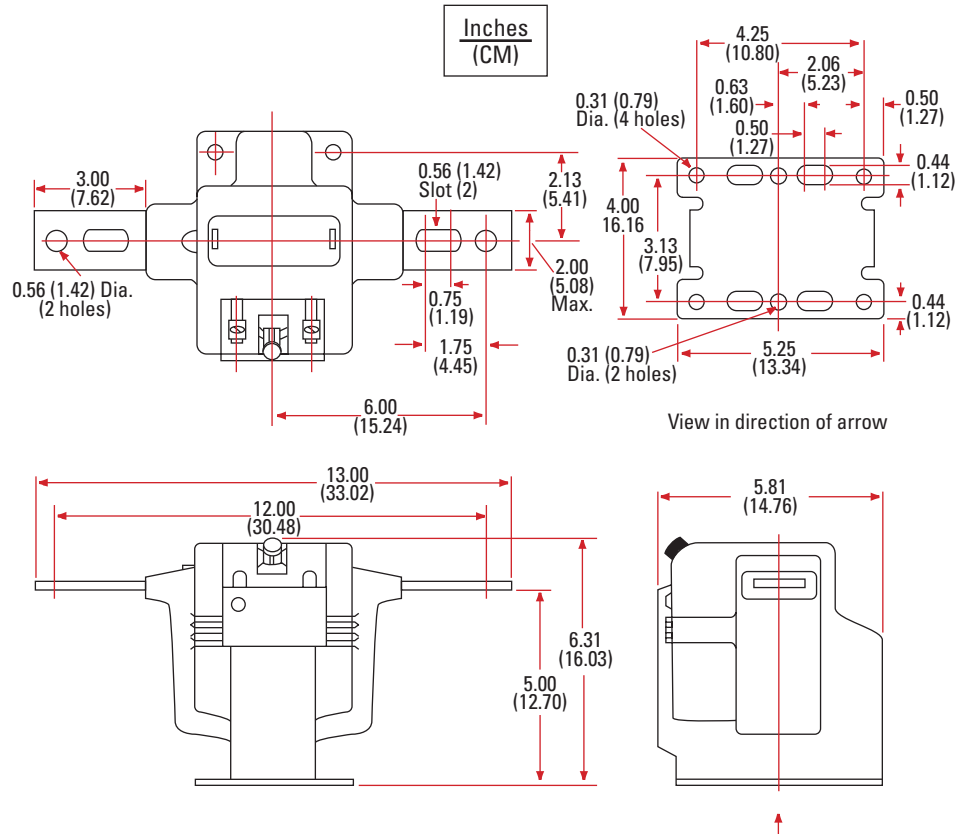
Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKM-0 mechanical dimensions



Data subject to change without notice.

600 V BIL 10 kV
Indoor Current
JAM-0
100 A to 400 A
50/60 Hz



JAM-0 current transformer with high base

Application

Designed for indoor service; suitable for operating meters, relays, and control devices on a three-wire single-phase circuit.

ANSI Meter Accuracy Classification, 60 Hz

Meter Class Burden

B-0.1 and B-0.2; all models 0.3

B-0.5; all models 0.6

Weight - Shipping/Net

(approximate, in pounds)

Transformer 185/179

Reference Drawings

Accuracy Curves:

100 & 100:5 9689241180

150 & 150:5 9689241181

200 & 200:5 9689241182

300 & 300:5 9689241183

400 & 400:5 9689241184

Outline Drawings:

Transformer with Low Base 9689804

Transformer with High Base 9689805

Wiring Diagram refer to page 42, figure 4c

Accessories Catalog Number

Adapter Plate 411294900

Construction and Insulation

Please refer to General Product Information, item 1.1.

Core

Two separate-wound cores made of continuous strip, grain-oriented, high permeability, silicon steel are used. These cores are annealed after winding to relieve any stress set up during the winding process.

JAM-0 DATA TABLE								
Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz			Continuous-Thermal Current Rating Factor 30°C Ambient	Mechanical Limit, Amperes	One- Thermal Amperes	Catalog Number	
	Meter Class, Burden		Relay Class				Low Base	High Base ①
	B-0.1, B-0.2	B-0.5						
100 & 100:5	0.3	0.6	T10	2.75	30,000	4,600	750X021001	750X021006
150 & 150:5	0.3	0.6	T10	2.33	35,000	8,400	750X021002	750X021007
200 & 200:5	0.3	0.6	T10	1.60	35,000	11,000	750X021003	750X021008
300 & 300:5	0.3	0.6	---	1.50	35,000	21,000	750X021004	750X021009
400 & 400:5	0.3	0.6	---	1.25	35,000	25,000	750X021005	750X021010

Note

① With high base, use adapter plate, catalog number 4112949001 for pipe mounting.
Adapter not required with low base.



Data subject to change without notice.

**Primary
Terminals**

The primary terminals are flat copper bars, each with one bolt hole. The terminal surfaces are tin-plated to reduce contact resistance.

Primary terminal identification is simplified by the placement of “Line” and “Load” legends molded into the butyl case, adjacent to each pair of terminals.

A solderless, pressure-type potential terminal is attached to each primary bar by means of a screw through the terminal pad.

Winding

The primary windings consist of two separate coils for connection to a three-wire circuit.

**Secondary
Winding**

The single 5-Ampere secondary winding is divided into two portions, each toroidally wound on the separate cores associated with each primary coil. The complete secondary winding is of heavy enamel-insulated copper wire.

Terminals

The secondary terminals are solderless pressure-type, molded into the butyl case. Mounted at the top of the transformer, each will accommodate wire sizes from No. 6 through No. 14. A positive-action, manually-operated, short-circuiting switch is provided.

Cover

The transparent plastic terminal cover is reversible, and constructed so that it cannot be put into place with meters connected and the short-circuit switch closed. Provision is made for sealing the secondary terminal cover.

Baseplate and Mounting

The transformer may be mounted by means of ¼ inch-28 bolts attached to the threaded inserts in the base of the transformer.

A low base, made of steel, is provided with holes and slots adapting it for mounting either by bolts or pipe clamps.

A high base, made of steel, is provided with holes for bolt mounting, or with the optional adapter plate, may be mounted with pipe clamps. The high base is used to mount the transformer primary bars at the exact height of those of the superseded three-wire design, simplifying its replacement with the JAM-0.

Polarity

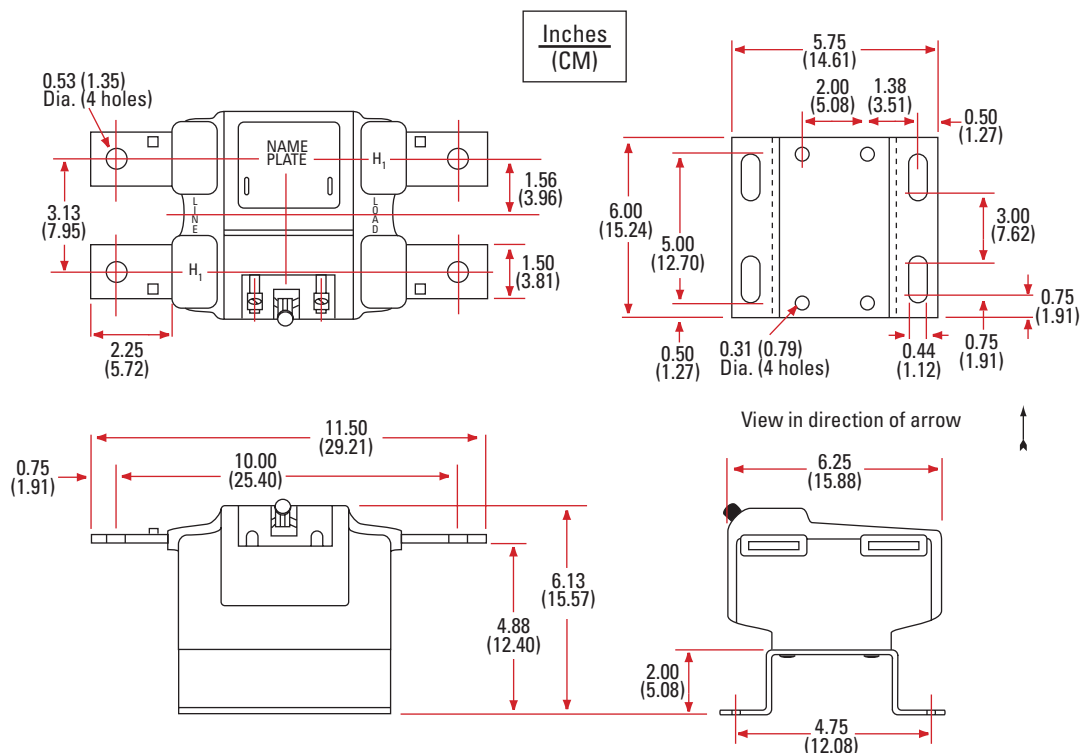
Please refer to General Product Information, item 7.1.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



Data subject to change without notice.

600 V BIL 10 kV
 Indoor Current
JCL-0
 1,200 A to 4,000 A
 50/60 Hz



JCL-0 current transformer

Application

Designed for indoor service; suitable for operating meters, relays and control devices.

Regulatory Agency Approvals

UL Recognized File E123616

ANSI Meter Accuracy Classification, 60 Hz

B-0.1 through B-2 0.3

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base 37/34

Reference Drawings

Accuracy Curves at 60 Hz:

- 1200:5 A 9689241479
- 1500:5 A 9689241480
- 2000:5 A 968241481
- 3000:5 A 9689241482
- 4000:5 A 9689241483
- Outline Drawing 9928720
- Wiring Diagram refer to page 41, figure 3

JCL-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	Continuous Thermal Current Rating Factor		Catalog Number
	30°C Ambient	55°C Ambient	
1200:5	1.5	1.1	750X028003
1500:5	1.5	1.1	750X028004
2000:5	1.5	1.1	750X028005
3000:5	1.33	1.0	750X028007
4000:5	1.0	0.75	750X028008



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Coils

Please refer to General Product Information, item 3.7.

Primary Terminals

Please refer to General Product Information, item 4.5.

Secondary Terminals

Please refer to General Product Information, item 4.17.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.10.

Nameplate

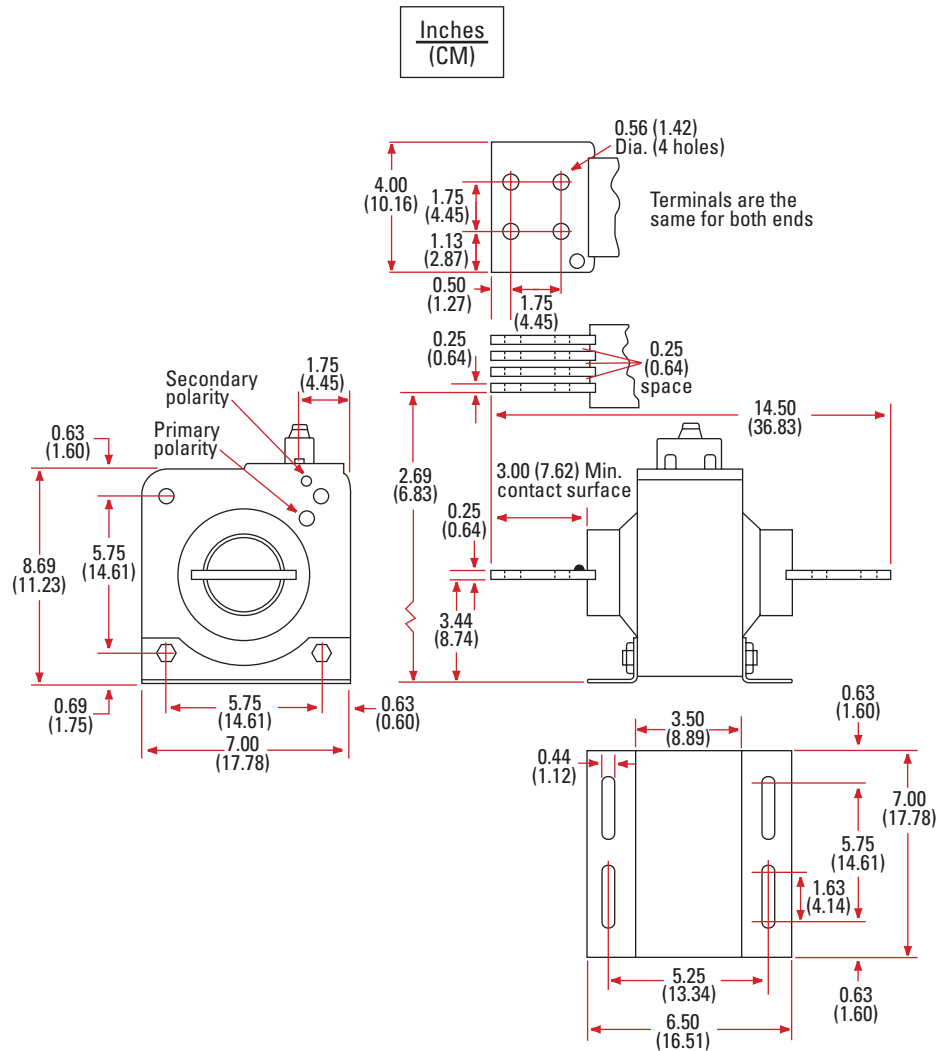
Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Mechanical Rating

Mechanical limits are omitted since, if bar-primary-type transformers are properly installed, their mechanical strength is nearly unlimited.



JCL-0 mechanical dimensions



Data subject to change without notice.

600 V
Indoor Current
JAI-0/JAU-0
1.00" to 2.75" Window
50/60 Hz



Application

Designed for indoor service; suitable for use with indicating instruments. Due to their very low burden capability, these transformers are not normally used with watt-hour meters for revenue billing.

Regulatory Agency Approvals

UL Recognized File E123616

Continuous Thermal-Current Rating Factor

30°C Ambient 1.5
 55°C Ambient 1.33

Weight - Shipping/Net

(approximate, in pounds)

Transformer 1.5/1.0

Reference Drawings

Outline Drawings (JAI-0):

1" Diameter Window 9928783
 1.75" Diameter Window 9928784
 2.75" Diameter Window 9928785

Outline Drawings (JAU-0):

1" Diameter Window 9925238
 1.75" Diameter Window 9925239
 2.75" Diameter Window 9925240
 Wiring Diagram refer to page 41, figure 3



JAI-0 current transformer



JAU-0 current transformer

JAI-0/JAU-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	Burden for Ratio Error Less Than 1.5% at 100% Rated Current, 50-60 Hz		Dimensions; in inches			Catalog Number	
	Volt-Ampere	Power Factor	O.D.	Window Diameter	Thickness	JAI-0	JAU-0
50:5	2.0	1.0	2.56	1.00	1.25	750X093001	750X091001
60:5	2.0	1.0	2.56	1.00	1.25	750X093002	750X091002
75:5	2.0	1.0	2.56	1.00	1.00	750X093003	750X091003
80:5	2.0	1.0	2.31	1.00	1.00	750X093004	750X091004
100:5	2.0	1.0	2.31	1.00	0.75	750X093005	750X091005
100:5	2.5	0.9	2.31	1.75	1.00	750X093011	750X091011
120:5	2.0	1.0	2.31	1.00	0.75	750X093006	750X091006
125:5	2.0	1.0	2.31	1.00	0.75	750X093007	750X091007
150:5	2.0	1.0	2.31	1.00	0.75	750X093008	750X091008
150:5	2.5	0.9	3.06	1.75	1.00	750X093012	750X091012
175:5	2.0	1.0	2.31	1.00	0.75	750X093009	750X091009
200:5	2.0	1.0	2.31	1.00	0.75	750X093010	750X091010
200:5	2.5	0.9	3.06	1.75	0.75	750X093013	750X091013
200:5	5.0	0.9	4.00	2.75	1.00	750X093018	750X091018
250:5	2.5	0.9	3.06	1.75	0.75	750X093014	750X091014
250:5	5.0	0.9	4.00	2.75	1.00	750X093019	750X091019
300:5	2.5	0.9	3.06	1.75	0.75	750X093015	750X091015
300:5	5.0	0.9	4.00	2.75	0.75	750X093020	750X091020
400:5	2.5	0.9	3.06	1.75	0.75	750X093016	750X091016
400:5	5.0	0.9	4.00	2.75	0.75	750X093021	750X091021
500:5	2.5	0.9	3.06	1.75	0.75	750X093017	750X091017
500:5	5.0	0.9	4.00	2.75	0.75	750X093022	750X091022
600:5	5.0	0.9	4.00	2.75	0.75	750X093023	750X091023
750:5	5.0	0.9	4.00	2.75	0.75	750X093024	750X091024
800:5	5.0	0.9	4.00	2.75	0.75	750X093025	750X091025



Data subject to change without notice.

Construction and Insulation

The cores are made from grain-oriented silicon steel, and are insulated, taped, and have a final insulation of polyvinyl-chloride.

Primary Terminals

Please refer to General Product Information, item 3.9.

Secondary Terminals (JAI-0)

The secondary terminals are provided with 10-32 screws for attaching wires. A shorting device consisting of a pivoting metal tab is provided. The shorting device is secured by the terminal screws.

Terminals (JAU-0)

The secondary terminals are 24" long leads, which are an integral part of the molded assembly. No shorting device is provided.

Polarity

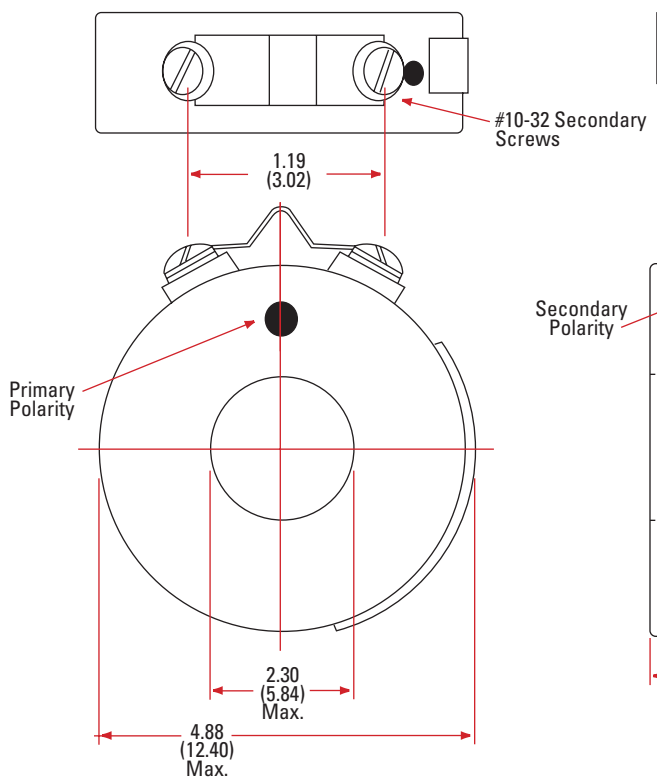
Primary and secondary polarity marks are provided on the body of the transformer.

Nameplate

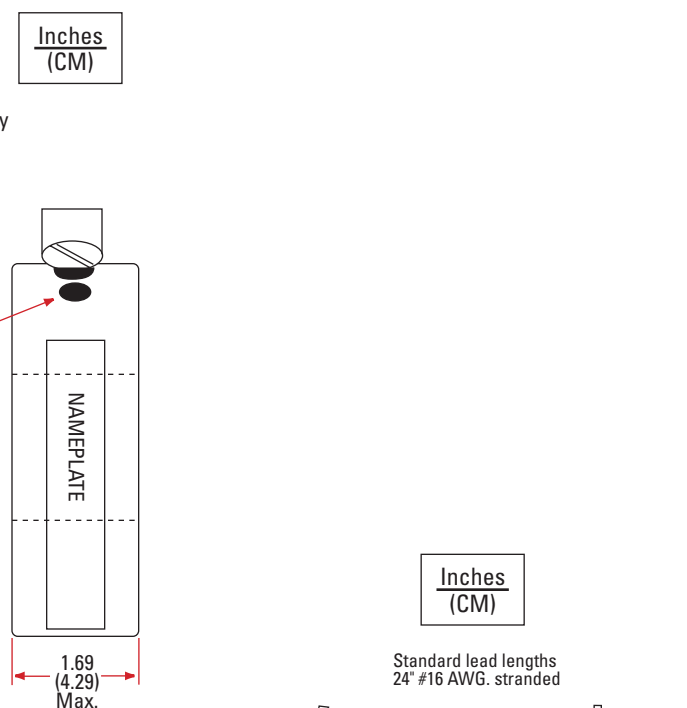
The nameplate provides the catalog number, type, rating, accuracy, and all other pertinent information.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JAI-0 mechanical dimensions




JAU-0 mechanical dimensions



Data subject to change without notice.

600 V
Indoor Current
JAR-0
Auxiliary Current Transformer
50/60 Hz




JAR-0 butyl-molded auxiliary current transformer

Application

Designed for indoor use, for connection in the secondary circuit of a main transformer to change the effective ratio on meters or relays. Its accuracy is suitable for use with totalizing meters or relays. Because it is used in the secondary of another transformer, it has no voltage rating. It is given a 60 Hz, 2,500 Volt, high potential test between each winding and between the windings and ground. It is designed for use on circuits not exceeding 600 V to ground.

Regulatory Agency Approvals

UL Recognized File E123616

ANSI Meter Accuracy Classification, 60 Hz

B-0.1 and B-0.2; all models 0.3

Continuous Thermal-Current Rating Factor

30°C Ambient 1.5
 55°C Ambient 1.1

Power Factor

Internal Burden (Short-Circuit Impedance); all models 1.0

Weight - Shipping/Net

(approximate, in pounds)
 Transformer 13/12

Reference Drawings

Accuracy Curves at 60 Hz:
 5:0.100 to 5:0.200 A..... 9689241148
 5:0.244 to 5:0.750 A..... 9689241149
 5:0.800 to 5:15 A 9689241147
 Outline Drawing 9688967
 Wiring Diagram refer to page 41, figure 2

JAR-0 DATA TABLE

Current Ratio (in Amps) Pri : Sec	Internal Burden (Short-Circuit Impedance) VA at Rated Current	Catalog Number	Current Ratio (in Amps) Pri : Sec	Internal Burden (Short-Circuit Impedance) VA at Rated Current	Catalog Number
5:0.100	6.0	750X001126	5:6.250	①	750X001369
5:0.200	5.7	750X001120	5:7.500	7.3	750X001010
5:0.250	6.8	750X001118	5:8.000	7.7	750X001009
5:0.500	7.0	750X001106	5:10.000	8.5	750X001003
5:0.625	7.2	750X001101	5:12.500	8.9	750X001002
5:1.000	7.8	750X001088	5:15.000	10.7	750X001001
5:1.250	7.8	750X001082	1.000:5	6.8	750X001029
5:1.667	7.8	750X001067	1.667:5	9.0	750X001026
5:2.000	7.8	750X001060	2.500:5	8.2	750X001024
5:2.395	7.8	750X001056	2.875:5	7.0	750X001330
5:2.500	7.3	750X001054	7.500:5	9.1	750X001019
5:2.890	7.1	750X001051	10.000:5	8.5	750X001015
5:3.000	7.8	750X001049	0.500:1	①	750X001308
5:3.330	7.5	750X001042	0.923:1	①	750X001335
5:3.750	8.0	750X001038	4.000:10	8.3	750X001004
5:4.000	8.5	750X001036	5&5:5	8.2	750X001133
5:5.000	8.5	750X001020	5&5&5&5:5	8.2	750X001131
5:5.330	8.5	750X001309	5&5&5&5&5:5	8.2	750X001129

Note
 ① Refer to factory.



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.8.

Primary and Secondary Terminals

Both the primary and secondary terminals are 10-32 binding-head screws, located on the top of the transformer. Identification of each terminal is molded into the transformer. A short-circuiting strip is provided for the secondary terminals.

Baseplate and Mounting

The JAR-0 may be mounted by its base plate in any desired position.

Nameplate

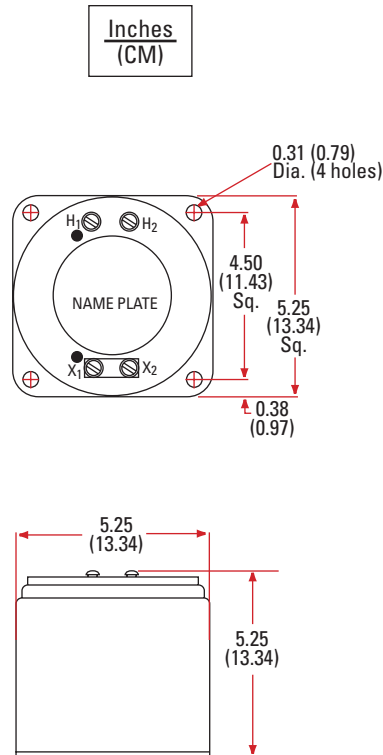
Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Note

1. Common ratios are listed in the date table; other ratios also available; please consult factory.

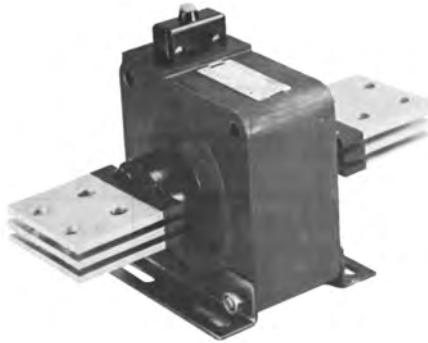


JAR-0 mechanical dimensions



Data subject to change without notice.

2,500 V BIL 45 kV
Indoor Current
JCM-2
1,200 A to 4,000 A
50/60 Hz



JCM-2 current transformer

Application

Designed for indoor service; suitable for operating meters, relays and control devices.

ANSI Meter Accuracy Classification

B-0.1 through B-2; all models 0.3

ANSI Relay Accuracy Classification, 60 Hz

All models C200

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base 40/37

Reference Drawings

Accuracy Curves at 60 Hz:

1200:5	9689241051
1500:5	9689241052
2000:5	9689241053
3000:5	9689241055
4000:5	9689241056

Excitation Curves:

1200:5	9689241294
1500:5	9689241294
2000:5	9689241294
3000:5	9689241294
4000:5	9689241294

Outline Drawing 8949928

Wiring Diagram refer to page 41, figure 3

JCM-2 DATA TABLE

Current Ratio (in Amps) Pri : Sec	Continuous Thermal Current Rating Factor 30°C Ambient	Catalog Number
400:5	1.33	752X020001
500:5	1.33	752X020002
600:5	1.33	752X020003
800:5	1.33	752X020004
1000:5	1.33	752X020005
1200:5	1.33	752X020006
1500:5	1.33	752X020007
2000:5	1.33	752X020008
3000:5	1.33	752X020010
4000:5	1.0	752X020011



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.2.

Coils

Please refer to General Product Information, item 3.7.

Primary

Terminals

Please refer to General Product Information, item 4.5.

Secondary

Terminals

Please refer to General Product Information, item 4.17.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.10.

Nameplate

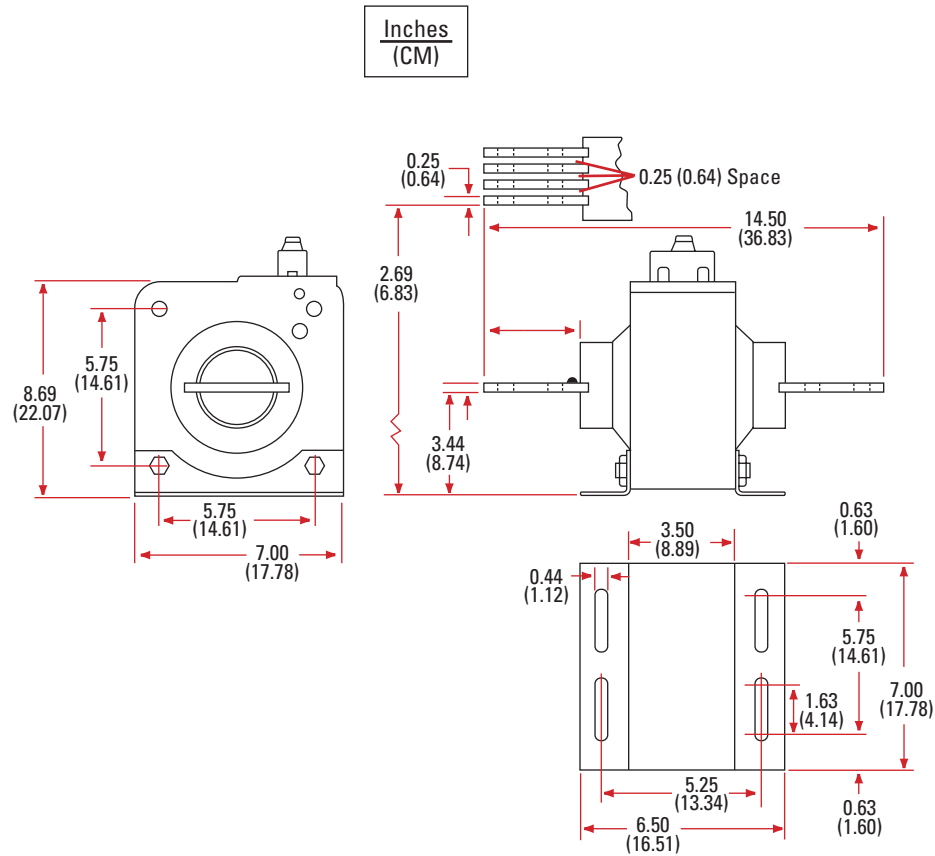
Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Mechanical Rating

Mechanical limits are omitted since, if bar-primary-type transformers are properly installed, their mechanical strength is nearly unlimited.



JCM-2 mechanical dimensions



Data subject to change without notice.

2,500 V BIL 45 kV
Indoor Current
JKM-2
10 A to 1,200 A
50/60 Hz



JKM-2 current transformer

Application

Designed for indoor service; suitable for operating meters, relays, and control devices.

ANSI Meter Accuracy Classification, 60 Hz

Meter Class Burden
 B-0.1, B-0.2, and B-0.5; all models 0.3

ANSI Relay Accuracy Classification

Relay Class; all models T50

Weight - Shipping/Net

(approximate, in pounds)
 Transformer 18/16

Reference Drawings

Accuracy Curves:
 10-300 and 600 A 9689241690
 400 and 800 A 9689241700
 Excitation Curves 9689241331
 Outline Drawing 9689861
 Wiring Diagram refer to page 42, figure 4

Current Ratio in Amperes; Pri:Sec	Continuous-Thermal Current Rating Factor		Mechanical Limit, Amperes	One-Second Thermal Limit, Amperes	Catalog Number
	30°C Ambient	55°C Ambient			
	10:5	1.5			
15:5	1.5	1.0	1,260	1,050	752X040002
20:5	1.5	1.0	2,780	1,400	752X040003
25:5	1.5	1.0	3,700	1,750	752X040004
30:5	1.5	1.0	4,040	2,100	752X040005
40:5	1.5	1.0	5,340	2,800	752X040006
50:5	1.5	1.0	5,310	3,500	752X040007
75:5	1.5	1.0	8,950	5,250	752X040008
100:5	1.5	1.0	11,900	7,000	752X040009
150:5	1.5	1.0	18,350	12,000	752X040010
200:5	1.5	1.0	24,400	14,000	752X040011
300:5	1.5	1.0	36,700	22,500	752X040012
400:5	1.5	1.0	49,300	26,400	752X040013
600:5	1.5	1.0	104,000	56,400	752X040014
800:5	1.5	1.0	104,000	52,800	752X040015
1200:5	1.0	0.75	108,000	56,400	752X040017



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.4.

Coils

Please refer to General Product Information, item 3.6.

Primary

Terminals

Please refer to General Product Information, item 4.3.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

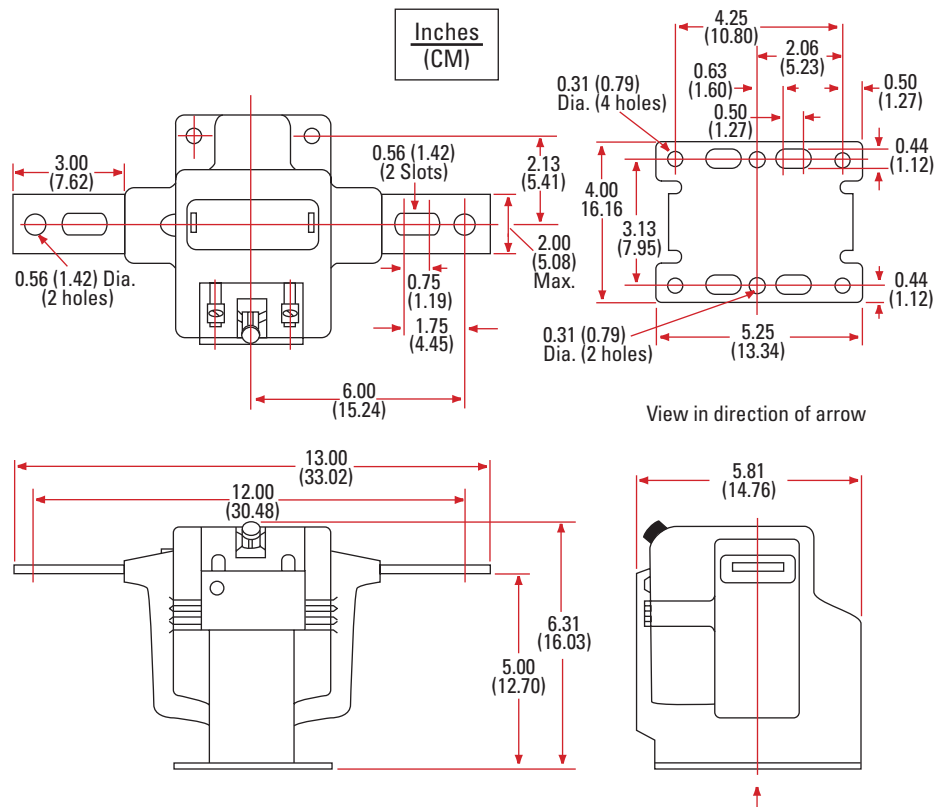
Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKM-2 mechanical dimensions



Data subject to change without notice.

**5,000 V BIL 60 kV
Indoor Current
JKS-3
15 A to 800 A
50/60 Hz**

Application

Designed for indoor service; suitable for operating relays and control devices. It has been designed with extra-high mechanical and thermal ratings to adapt it to this application.

Weight - Shipping/Net

(approximate, in pounds)

Single-Secondary	36/30
Dual-Secondary	74/62
Tapped-Secondary	36/30



JKS-3, single-secondary

JKS-3 DATA TABLE

Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz			Relay Class	Continuous-Thermal-Current Rating Factor		Mechanical Limit, Amperes	One Second Thermal Limit, Amperes		Catalog Number
	Meter Class, Burden	B-0.1	B-0.5		B-2	30°C Ambient		55°C Ambient	With Secondary Short-Circuited	
Single-Secondary										
15:5	0.6	1.2	---	T10	1.5	1.0	12,500	1,700	6,400	753X001001
20:5	0.6	1.2	---	T20	1.5	1.0	12,500	2,000	6,400	755X001002
25:5	0.6	1.2	---	T10	1.5	1.0	22,000	2,500	12,800	755X001003
30:5	0.6	1.2	---	T20	1.5	1.0	22,000	3,000	12,800	755X001004
40:5	0.3	0.6	---	T20	1.5	1.0	22,000	4,000	12,800	755X001005
50:5	0.6	1.2	---	T10	1.5	1.0	44,000	5,000	25,200	755X001006
75:5	0.6	1.2	---	T20	1.5	1.0	59,000	7,500	35,300	755X001007
100:5	0.3	0.6	---	T20	1.5	1.0	59,000	10,000	35,300	755X001008
150:5	0.3	0.3	---	T50	1.5	1.0	66,000	15,000	35,300	755X001009
200:5	0.3	0.3	1.2	T50	1.5	1.0	66,000	20,000	35,300	755X001010
300:5	0.3	0.3	1.2	T50	1.5	1.0	77,000	30,000	35,300	753X001012
400:5	0.3	0.3	0.3	T100	1.5	1.0	77,000	35,300	35,300	753X001013
600:5	0.3	0.3	0.3	T100	1.5	1.0	108,000	50,400	50,400	753X001015
800:5	0.3	0.3	1.2	T50	1.5	1.0	280,000	59,200	59,200	753X001016
Dual-Secondary										
15:5 //5	0.6	1.2	---	T10	1.5	1.1	12,500	1,700	6,400	753X001024
20:5 //5	0.6	1.2	---	T20	1.5	1.1	12,500	2,000	6,400	753X001025
25:5 //5	0.6	1.2	---	T10	1.5	1.1	22,000	2,500	12,800	753X001026
30:5 //5	0.6	1.2	---	T20	1.5	1.1	22,000	3,000	12,800	753X001027
40:5 //5	0.3	0.6	---	T20	1.5	1.1	22,000	4,000	12,800	753X001028
50:5 //5	0.6	1.2	---	T10	1.5	1.1	44,000	5,000	25,200	753X001029
75:5 //5	0.6	1.2	---	T20	1.5	1.1	59,000	7,500	35,300	753X001030
100:5 //5	0.3	0.6	---	T20	1.5	1.1	59,000	10,000	35,300	753X001031
150:5 //5	0.3	0.6	---	T50	1.5	1.1	66,000	15,000	35,300	753X001032
200:5 //5	0.3	0.3	1.2	T50	1.5	1.1	66,000	20,000	35,300	753X001033
300:5 //5	0.3	0.3	1.2	T50	1.5	1.1	77,000	30,000	35,300	753X001035
400:5 //5	0.3	0.3	0.3	T100	1.5	1.1	77,000	35,300	35,300	753X001036
600:5 //5	0.3	0.3	0.3	T100	1.5	1.1	108,000	50,400	50,400	753X001038
800:5 //5	0.3	0.3	1.2	T50	1.5	1.1	280,000	59,200	59,200	753X001039
Tapped-Secondary										
50/100:5	1.2	2.4	---	T10	1.5	1.1	44,000	Refer to Factory for Values		753X001017
	0.3	0.6	---	T20	1.5	1.1	44,000			753X001018
75/150:5	0.6	1.2	---	T20	1.5	1.1	59,000			753X001019
	0.3	0.6	---	T50	1.5	1.1	59,000			753X001020
100/200:5	0.6	1.2	---	T20	1.5	1.1	59,000			753X001021
	0.3	0.3	1.2	T50	1.5	1.1	59,000			753X001022
150/300:5	0.3	0.6	2.4	T20	1.5	1.1	66,000			753X001023
	0.3	0.3	1.2	T50	1.5	1.1	66,000			
200/400:5	0.3	0.6	2.4	T50	1.5	1.1	66,000			
	0.3	0.3	0.3	T100	1.5	1.1	66,000			
300/600:5	0.3	0.6	2.4	T50	1.5	1.1	77,000			
	0.3	0.3	0.3	T100	1.5	1.1	77,000			
400/800:5	0.6	1.2	---	T20	1.5	1.1	77,000			
	0.3	0.3	1.2	T50	1.5	1.1	77,000			



Data subject to change without notice.

Reference Drawings

Accuracy Curves:

15:5	5453968001
20:5	5453969001
25:5	5453970001
30:5	5453971001
40:5	5453972001
50:5	5453973001
75:5	5453956001
100:5	5453957001
150:5	5453974001
200:5	5453975001
300:5	5453976001
400:5	5453977001
600:5	5453977001
800:5	5453978001

Excitation Curves:

15:5	Contact Factory
20:5	Contact Factory
25:5	Contact Factory
30:5	Contact Factory
40:5	Contact Factory
50:5	Contact Factory
75:5	9932600124
100:5	9932600018
150:5	9932600018
200:5	9936600018
300:5	9936600018
400:5	9936600018
600:5	9936600018
800:5	9936600018

Outline Drawings:

Single-Secondary Models	8949911
Dual-Secondary Models	8949933
Tapped-Secondary Models	8949806

Wiring Diagram refer to page 42, figure 4

Construction and Insulation

Please refer to General Product Information, item 1.8.

Core

Please refer to General Product Information, item 2.4.

Primary and Secondary Coils

Please refer to General Product Information, item 3.3.

Primary

Terminals

Please refer to General Product Information, item 4.4.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

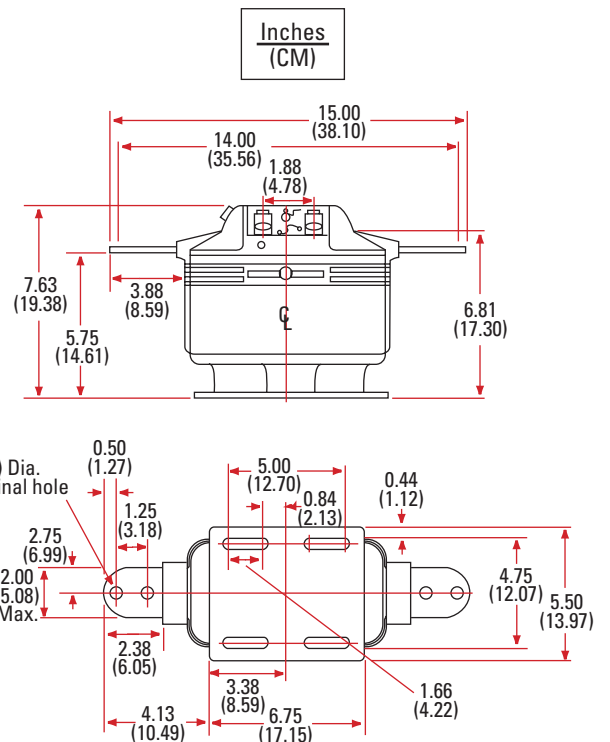
Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKS-3 mechanical dimensions



Data subject to change without notice.

5,000 V BIL 60 kV
Indoor Current
JKC-3
10 A to 1,200 A
50/60 Hz



JKC-3 current transformer

Application

Designed for indoor service; suitable for operating meters, relays, and control devices.

ANSI Meter Accuracy Classification, 60 Hz

Meter Class Burden
 B-0.1, B-0.2, and B-0.5; all models 0.3

ANSI Relay Accuracy Classification

Relay Class; all models T50

Weight - Shipping/Net

(approximate, in pounds)
 Transformer 18/16

Reference Drawings

Accuracy Curves:
 10-300 and 600 A 9689241690
 400, 800 and 1200 A 9689241700
 Excitation Curve 9689241472
 Outline Drawing 9926359
 Wiring Diagram refer to page 42, figure 4

JKC-3 DATA TABLE

Current Ratio in Amperes; Pri:Sec	Continuous-Thermal Current Rating Factor		Mechanical Limit, Amperes	One-Second Thermal Limit, Amperes	Catalog Number
	30°C Ambient	55°C Ambient			
10:5	1.5	1.0	1,285	700	753X002001
15:5	1.5	1.0	1,260	1,050	753X002002
20:5	1.5	1.0	2,780	1,400	753X002003
25:5	1.5	1.0	3,700	1,750	753X002004
30:5	1.5	1.0	4,040	2,100	753X002005
40:5	1.5	1.0	5,340	2,800	753X002006
50:5	1.5	1.0	5,310	3,500	753X002007
75:5	1.5	1.0	8,950	5,250	753X002008
100:5	1.5	1.0	11,900	7,000	753X002009
150:5	1.5	1.0	18,350	12,000	753X002010
200:5	1.5	1.0	24,400	14,000	753X002011
300:5	1.5	1.0	36,700	22,500	753X002012
400:5	1.5	1.0	49,300	26,400	753X002013
600:5	1.5	1.0	104,000	56,400	753X002014
800:5	1.5	1.0	104,000	52,800	753X002015
1200:5	1.0	0.75	108,000	56,400	753X002017



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.8.

Core

Please refer to General Product Information, item 2.4.

Coils

Please refer to General Product Information, item 3.6.

Primary

Terminals

Please refer to General Product Information, item 4.3.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

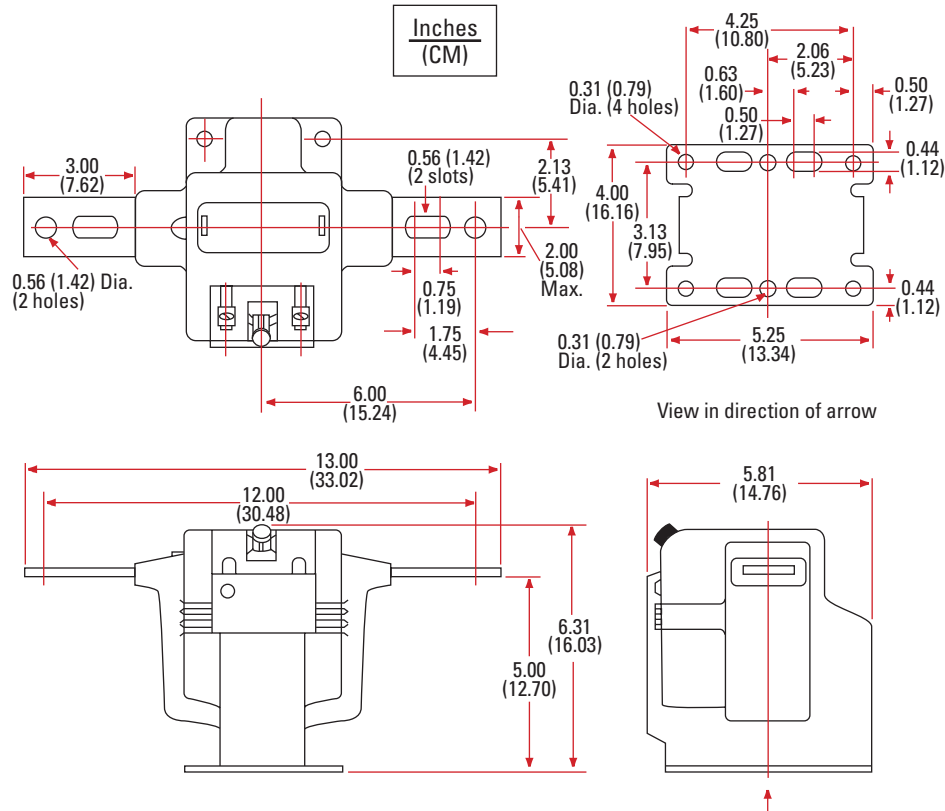
Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKC-3 mechanical dimensions



Data subject to change without notice.

5,000 V to 15,000 V BIL 60 kV to 110 kV
Indoor Current
JCM-3/JCM-4/JCM-5
600 A to 4,000 A
50/60 Hz



When choosing your GE Instrument Transformer, don't forget to explore the benefits of using GE's 0.15 accuracy class AccuBute line. See page 37.



JCM-3 -4 current transformer



JCM-5 current transformer

Application

Designed for indoor service; suitable for operating meters, relays and control devices.

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base; JCM-3 and JCM-4 84/72
 Transformer, without base; JCM-5 121/109

Reference Drawings

Accuracy Curves at 60 Hz:

1200:5	9689241017
1500:5	9689241018
2000:5	9689241019
3000:5	9689241021
4000:5	9689241022

Excitation Curves:

1200:5	9689241126
1500:5	9689241127
2000:5	9689241128
3000:5	9689241124
4000:5	9689241130

Outline Drawings:

JCM-3 and JCM-4	
Transformer	9689704
Dual-ratio	9930858
JCM-5	
Transformer	8949930
Dual-ratio	9930859
Wiring Diagram	refer to page 41, figure 3

JCM-3/JCM-4/JCM-5 DATA TABLE

Current Ratio (in Amps)	ANSI Accuracy Class, 60 Hz Burden Per ANSI			Continuous Thermal Current Rating Factor		One-Second Thermal Limit, Amperes	Catalog Number			
	Pri : Sec	B-0.1 thru B-1	B-2	Relay Class	30°C Ambient		55°C Ambient	JCM-3	JCM-4	JCM-5
								5,000 V BIL 60 kV	8,700 V BIL 75 kV	15,000 V BIL 110 kV
1200:5	0.3	0.3	C200	1.33	1.0	55,000	753X020003	754X020003	755X020003	
1500:5	0.3	0.3	C200	1.33	1.0	69,000	753X020004	754X020004	755X020004	
2000:5	0.3	0.3	C200	1.33	1.0	148,000	753X020005	754X020005	755X020005	
3000:5	0.3	0.3	C200	1.33	1.0	279,000	753X020007	754X020007	755X020007	
4000:5	0.3	0.3	C200	1.0	0.75	456,000	753X020008	754X020008	755X020008	
600/1200:5	0.3	0.6	C100	2.0	1.5	55,000	753X020009	754X020009	755X020009	
	0.3	0.3	C200	1.33	1.0	55,000				
750/1500:5	0.3	0.6	C100	2.0	1.5	69,000	753X020010	754X020010	755X020010	
	0.3	0.3	C200	1.33	1.0	69,000				
1000/2000:5	0.3	0.6	C100	2.0	1.5	148,000	753X020011	754X020011	755X020011	
	0.3	0.3	C200	1.33	1.0	148,000				
1500/3000:5	0.3	0.3	C100	2.0	1.5	279,000	753X020012	754X020012	755X020012	
	0.3	0.3	C200	1.33	1.0	279,000				
2000/4000:5	0.3	0.3	C100	2.0	1.0	456,000	753X020013	754X020013	755X020013	
	0.3	0.3	C200	1.0	0.75	456,000				



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Coils

Please refer to General Product Information, item 3.7.

Primary

Terminals

Please refer to General Product Information, item 4.5.

Secondary

Terminals

Please refer to General Product Information, item 4.16.

Cover

The terminal cover is made of molded phenolic, with a brass sealing nut which engages the brass sealing stud located half-way between the two terminals. The cover is reversible, having one position when the secondary short-circuiting device is closed and no meter leads are connected, and a reverse position when the short-

circuiting device is open and the meter leads connected. The cover cannot be put in position to be sealed when the short-circuiting device is closed and meter leads are connected.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.10.

Nameplate

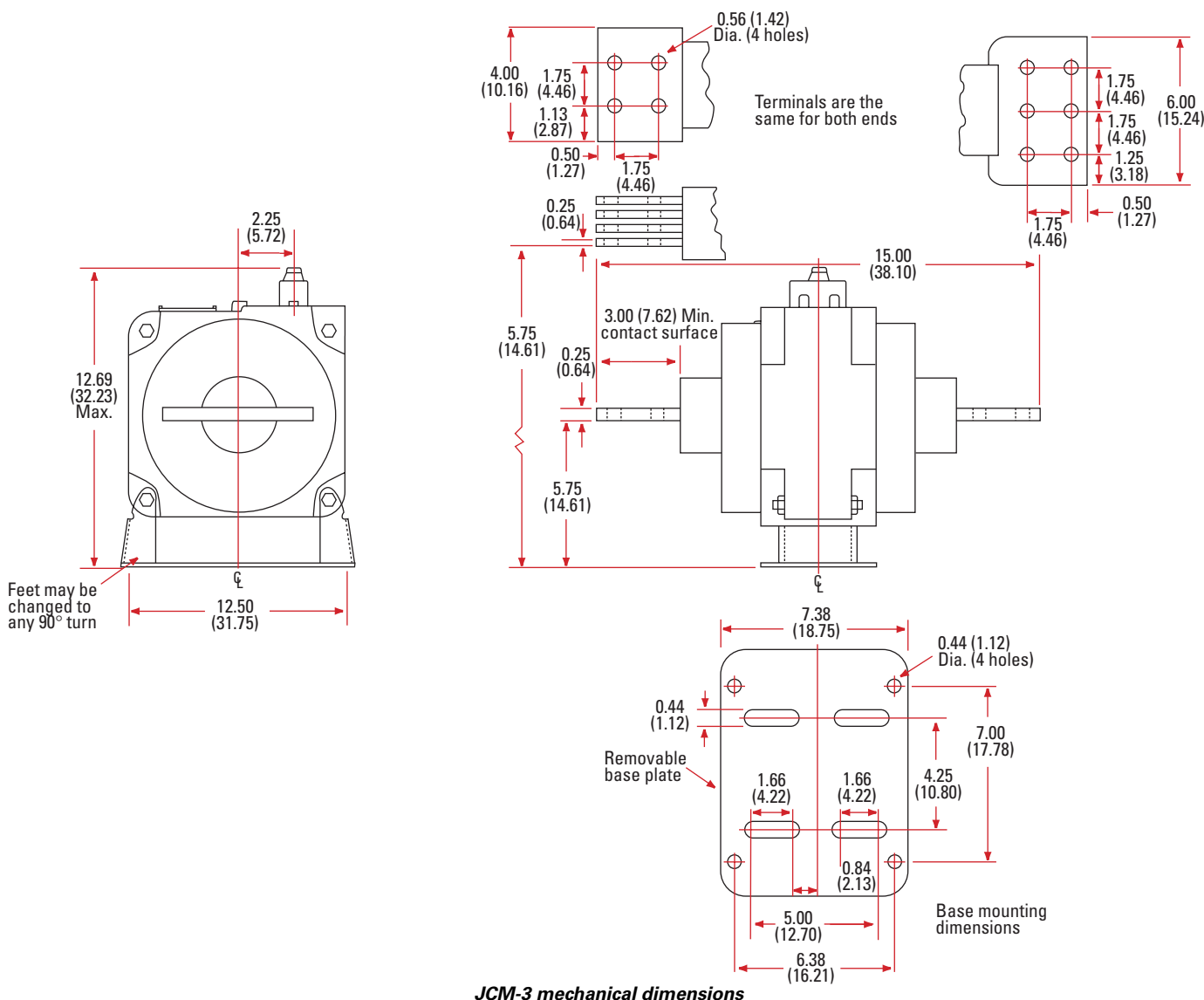
Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Mechanical Rating

Mechanical limits are omitted since, if bar-primary-type transformers are properly installed, their mechanical strength is nearly unlimited.



JCM-3 mechanical dimensions



Data subject to change without notice.

5,000 V BIL 60 kV
Indoor Current
JKM-3
5 A to 800 A
50/60 Hz

Application

Designed for indoor service; suitable for operating meters, relays, and control devices.

Continuous Thermal Current Rating Factor
30°C Ambient/55° Ambient:

All models except those noted below 1.5/1.0
 Models 753X040042, 753X040015,
 and 753X040022 only 1.33/1.0



When choosing your GE Instrument Transformer, don't forget to explore the benefits of using GE's 0.15 accuracy class AccuBute line. See page 37.



JKM-3, single-secondary

JKM-3 DATA TABLE

Current Ratio in Amperes Pri:Sec	ANSI Accuracy Classification, 60 Hz			Mechanical Limit, Amperes	One Second Thermal Limit, Amperes	Catalog Number
	Meter Class Burden		Relay Class			
	B-0.1, B-0.2	B-1, B-2				
Single-Secondary						
5:5	0.3	0.3	T100	900	465	753X040023
10:5	0.3	0.3	T100	1,800	930	753X040024
15:5	0.3	0.3	T100	2,700	1,470	753X040025
20:5	0.3	0.3	T100	3,600	1,850	753X040026
25:5	0.3	0.3	T100	4,500	2,300	753X040027
30:5	0.3	0.3	T100	5,400	2,450	753X040028
40:5	0.3	0.3	T100	7,200	3,700	753X040029
50:5	0.3	0.3	T100	9,000	4,600	753X040030
75:5	0.3	0.3	T100	13,500	6,400	753X040032
100:5	0.3	0.3	T100	18,000	8,600	753X040033
150:5	0.3	0.3	T100	27,000	12,800	753X040035
200:5	0.3	0.3	T100	36,000	17,300	753X040036
300:5	0.3	0.3	T100	54,000	25,700	753X040038
400:5	0.3	0.3	T100	72,000	36,000	753X040039
600:5	0.3	0.3	T100	108,000	51,500	753X040041
800:5	0.3	0.3	T100	144,000	63,300	753X040042
Dual-Secondary						
10:5 //5	0.3	0.3	T100	1,800	930	753X040001
15:5 //5	0.3	0.3	T100	2,700	1,470	753X040002
20:5 //5	0.3	0.3	T100	3,600	1,850	753X040003
25:5 //5	0.3	0.3	T100	4,500	2,300	753X040004
30:5 //5	0.3	0.3	T100	5,400	2,450	753X040005
40:5 //5	0.3	0.3	T100	7,200	3,700	753X040006
50:5 //5	0.3	0.3	T100	9,000	4,600	753X040007
75:5 //5	0.3	0.3	T100	13,500	6,400	753X040008
100:5 //5	0.3	0.3	T100	18,000	8,600	753X040009
150:5 //5	0.3	0.3	T100	27,000	12,800	753X040010
200:5 //5	0.3	0.3	T100	36,000	17,300	753X040011
300:5 //5	0.3	0.3	T100	54,000	25,700	753X040012
400:5 //5	0.3	0.3	T100	72,000	36,000	753X040013
600:5 //5	0.3	0.3	T100	108,000	51,500	753X040014
800:5 //5	0.3	0.3	T100	144,000	63,300	753X040015
Tapped-Secondary						
50/100:5	0.3	---	T50	9,000	4,300	753X040016
	0.3	0.3	T100	9,000	8,600	
75/150:5	0.3	---	T50	13,500	6,400	753X040017
	0.3	0.3	T100	13,500	12,800	
100/200:5	0.3	---	T50	18,000	8,650	753X040018
	0.3	0.3	T100	18,000	17,300	
150/300:5	0.3	---	T50	27,000	13,750	753X040019
	0.3	0.3	T100	27,000	27,500	
200/400:5	0.3	---	T50	36,000	18,000	753X040020
	0.3	0.3	T100	36,000	36,000	
300/600:5	0.3	---	T50	54,000	25,750	753X040021
	0.3	0.3	T100	54,000	51,500	
400/800:5	0.3	---	T50	72,000	31,650	753X040022
	0.3	0.3	T100	72,000	63,300	



Data subject to change without notice.

Weight - Shipping/Net

(approximate, in pounds)

Single-Secondary	36/30
Dual-Secondary.....	74/62
Tapped-Secondary	36/30

Reference Drawings

Accuracy Curve	9689241518
Excitation Curve	9932600018
Outline Drawings:	
Single-Secondary Models.....	4147858
Dual-Secondary Models	8949933
Tapped-Secondary Models	8949942
Wiring Diagram	refer to page 42, figure 4

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.4.

Primary and Secondary Coils

Please refer to General Product Information, item 3.3.

Primary

Terminals

Please refer to General Product Information, item 4.3.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

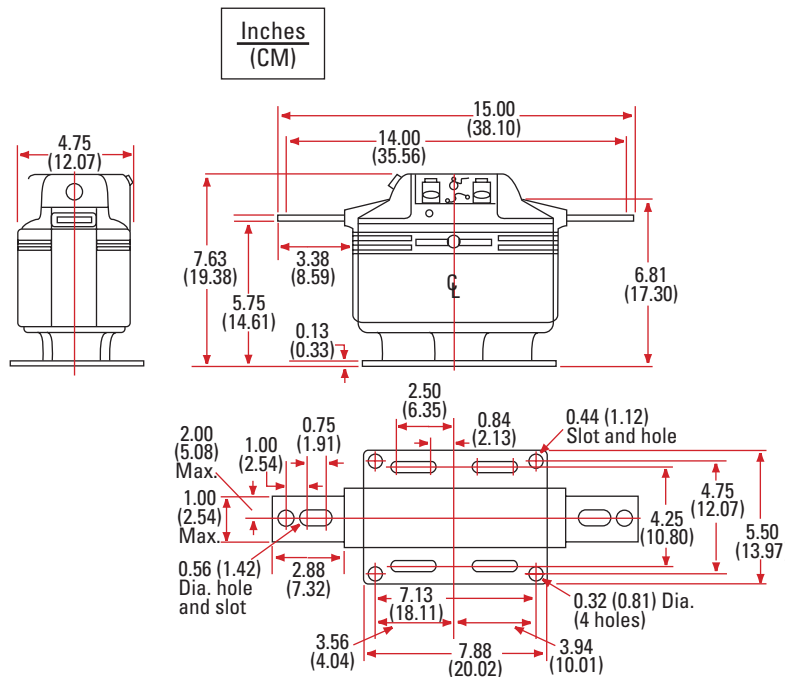
Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKM-3 mechanical dimensions



Data subject to change without notice.

5,000 V to 15,000V BIL 60 kV to 110kV
Indoor Current
JCB-3/JCB-4/JCB-5
600 A to 4,000 A
5.56" Window
50/60 Hz



When choosing your GE Instrument Transformer, don't forget to explore the benefits of using GE's 0.15 accuracy class AccuBute line. See page 37.



JCB-3 transformer



JCB-4 transformer



JCB-5 transformer

Application

Designed for indoor service; suitable for operating meters, relays and control devices.

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base; JCB-3, JCB-4 95/85
 Transformer without base; JCB-5 120/110

Reference Drawings

Accuracy Curves at 60 Hz:

1200:5 A 9689241075
 1500:5 A 9689241076
 2000:5 A 9689241078
 3000:5 A 9689241080
 4000:5 A 9689241081

Excitation Curves:

1200:5 9689241139
 1500:5 9689241140
 2000:5 9689241142
 3000:5 9689241144
 4000:5 9689241145

Outline Drawings:

JCB-3 Transformer 9688571
 JCB-4 Transformer 9689745
 JCB-5 Transformer 9688572
 Wiring Diagram refer to page 41, figure 3

JCB-3/JCB-4/JCB-5 DATA TABLE

Current Ratio (in Amps) Pri : Sec	ANSI Accuracy Class, 60 Hz				Continuous Thermal Current		One-Second Thermal Limit, Amperes	Catalog Number		
	Meter Class, Burden			Relay Class	Rating Factor			JCB-3 5000 V BIL 60 kV	JCB-4 8,700 V BIL 75 kV	JCB-5 15,000 V BIL 110 kV
	B-0.1, B-0.2, B-0.5	B-1	B-2		30°C Ambient	55°C Ambient				
1200:5	0.3	0.3	0.3	C200	1.33	1.0	88,800	753X021008	754X021008	755X021008
1500:5	0.3	0.3	0.3	C200	1.33	1.0	111,000	753X021009	754X021009	755X021009
2000:5	0.3	0.3	0.3	C400	1.33	1.0	148,000	753X021011	754X021011	755X021011
3000:5	0.3	0.3	0.3	C400	1.33	1.0	282,000	753X021013	754X021013	755X021013
4000:5	0.3	0.3	0.3	C200	1.33	1.0	296,000	753X021014	754X021014	755X021014
600/1200:5	0.3	0.6	---	C100	2.0	1.5	88,800	753X021016	754X021016	755X021016
	0.3	0.3	0.3	C200	1.33	1.0	88,800			
750/1500:5	0.3	0.3	0.6	C100	2.0	1.5	111,000	753X021017	754X021017	755X021017
	0.3	0.3	0.3	C200	1.33	1.0	111,000			
1000/2000:5	0.3	0.3	0.6	C200	2.0	1.5	148,000	753X021018	754X021018	755X021018
	0.3	0.3	0.3	C400	1.33	1.0	148,000			
1500/3000:5	0.3	0.3	0.3	C200	2.0	1.5	282,000	753X021019	754X021019	755X021019
	0.3	0.3	0.3	C400	1.33	1.0	282,000			
2000/4000:5	0.3	0.3	0.3	C100	2.0	1.5	296,000	753X021020	754X021020	755X021020
	0.3	0.3	0.3	C200	1.33	1.0	296,000			



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.2.

Primary Winding

Please refer to General Product Information, item 3.4.

"Pig Tail" Connection

Please refer to General Product Information, item 3.13.

Secondary Winding

Please refer to General Product Information, item 3.4.

Terminals

Please refer to General Product Information, item 4.16.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.11.

Nameplate

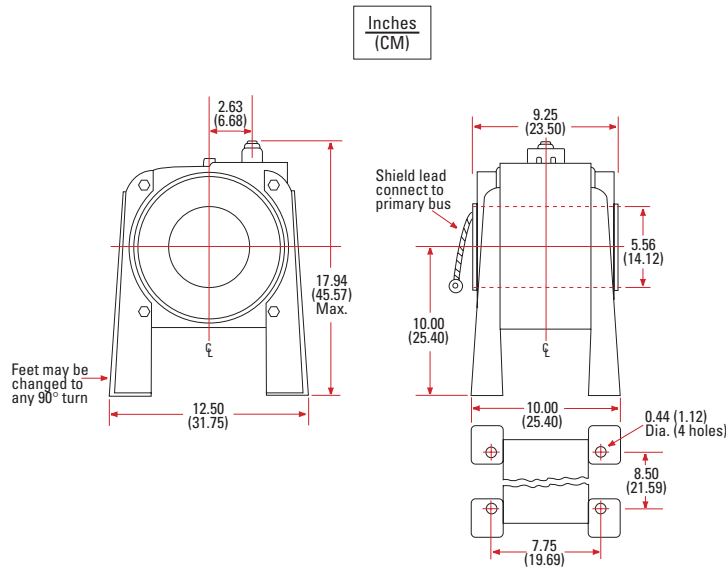
Please refer to General Product Information, item 6.3.

Maintenance

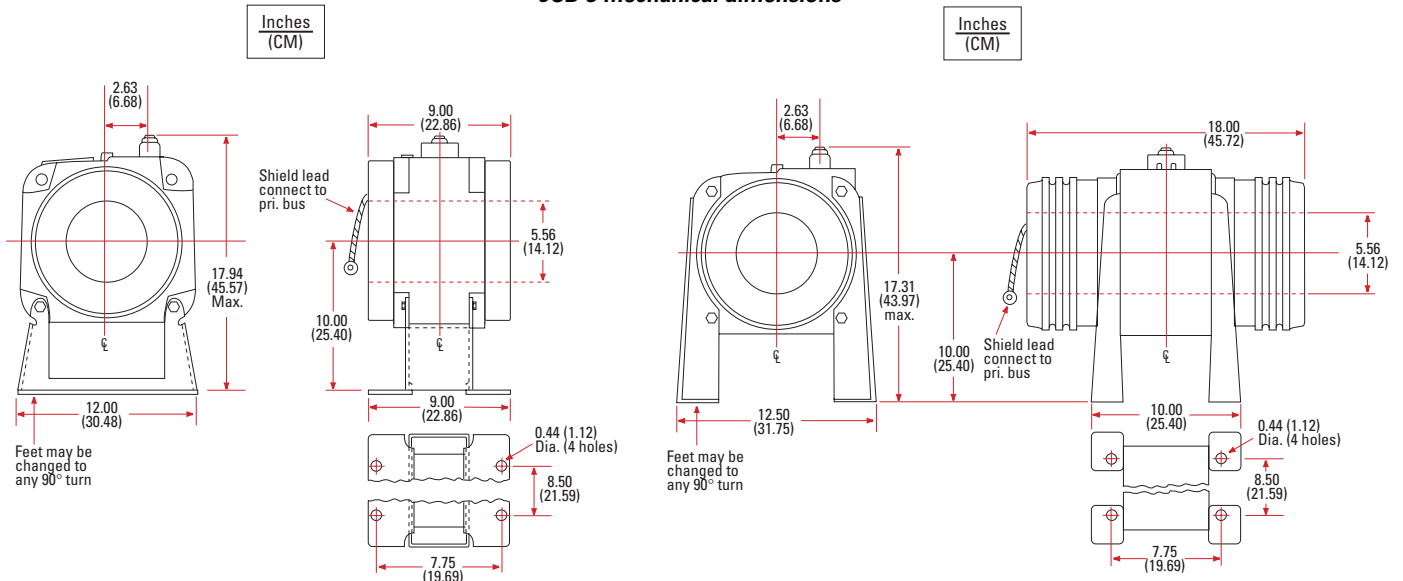
Please refer to General Product Information, item 10.1 and pages 24-27.

Mechanical Rating

Mechanical limits are omitted since, if bar-primary-type transformers are properly installed, their mechanical strength is nearly unlimited.



JCB-3 mechanical dimensions



JCB-4 mechanical dimensions

JCB-5 mechanical dimensions



Data subject to change without notice.

8,700 V BIL 75 kV
Indoor Current
JKM-4
10 A to 800 A
50/60 Hz



When choosing your GE Instrument Transformer, don't forget to explore the benefits of using GE's 0.15 accuracy class AccuBute line. See page 37.



**JKM-4 transformer,
with factory-assembled auxiliary mounting feet**

Application

Designed for indoor service; suitable for operating meters, relays, and control devices.

ANSI Meter Accuracy Classification, 60 Hz

Meter Class Burden
B-0.1 thru B-2.0; all models..... 0.3

ANSI Relay Accuracy Classification

Relay Class T100

Weight - Shipping/Net

(approximate, in pounds)
Transformer 35/30
Auxiliary Mounting Plate 4/3

Reference Drawings

Accuracy Angle Curve 9689241518
Excitation Curves:
Groups 2-17 and 20-35 9689241789
Group 18 and 36 9689241812
Outline Drawing for All Models 8949737
Wiring Diagram refer to page 41, figure 3

JKM-4 DATA TABLE

Current Ratio in Amperes; Pri:Sec	Mechanical Limit, Amperes	One Second Thermal Limit, Amperes	Continuous- Thermal-Current Rating Factor 30°C Ambient	Catalog Number	
				Transformer Only	With Auxiliary Mounting Plate
10:5	1,100	930	1.5	754X040002	754X040020
15:5	1,650	1,470	1.5	754X040003	754X040021
20:5	2,200	1,850	1.5	754X040004	754X040022
25:5	2,750	2,300	1.5	754X040005	754X040023
30:5	3,300	2,450	1.5	754X040006	754X040024
40:5	4,400	3,700	1.5	754X040007	754X040025
50:5	5,500	4,600	1.5	754X040008	754X040026
75:5	8,250	6,400	1.5	754X040009	754X040027
100:5	11,000	8,600	1.5	754X040010	754X040028
150:5	16,500	12,800	1.5	754X040011	754X040029
200:5	22,000	17,300	1.5	754X040012	754X040030
300:5	33,000	25,700	1.5	754X040014	754X040032
400:5	44,000	36,000	1.5	754X040015	754X040033
600:5	66,000	51,500	1.5	754X040017	754X040035
800:5	88,000	63,300	1.33	754X040018	754X040036



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.4.

Primary and Secondary Coils

Please refer to General Product Information, item 3.3.

Primary

Terminals

Please refer to General Product Information, item 4.3.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.5.

Auxiliary Mounting Plate

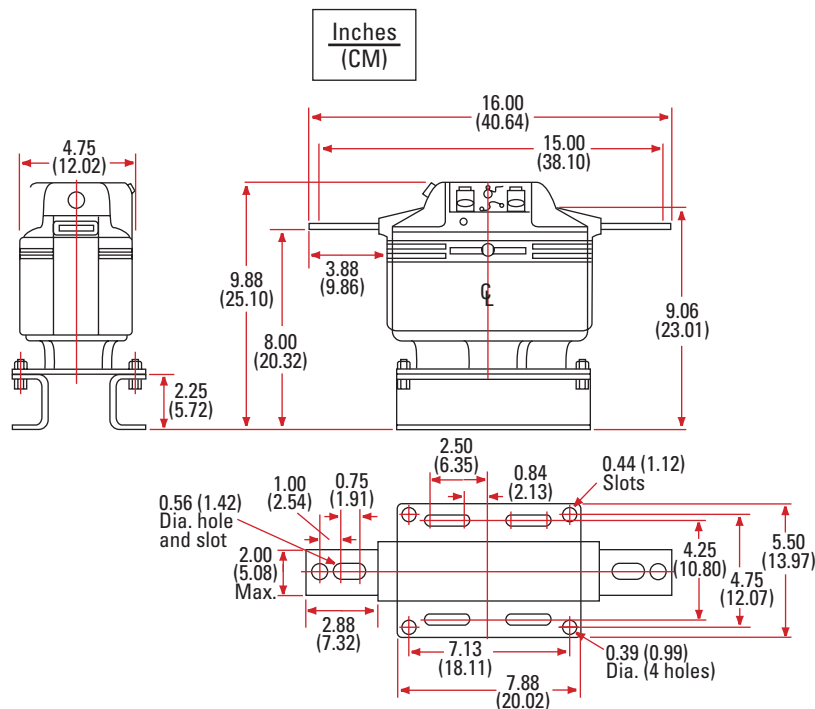
An auxiliary mounting plate is available to increase the height of the transformer. This brings the distance from the primary terminals to the mounting surface in line with recommended industry standards for 8,700 Volt metering current transformers. The auxiliary mounting plate is made of steel with a black paint finish to match the transformer.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKM-4 mechanical dimensions



Data subject to change without notice.

15,000 V BIL 95 kV
Indoor Current
JKS-5
15 A to 800 A
50/60 Hz
Wound-type



JKS-5 transformer, single-secondary

Application

Designed for indoor service; suitable for operating relays and control devices. It has been designed with extra-high mechanical and thermal ratings to adapt it to this application.

Weight - Shipping/Net

(approximate, in pounds)

Single-Secondary56/50
 Dual-Secondary..... 112/102
 Tapped-Secondary56/50

JKS-5 DATA TABLE

Current Ratio in Amperes; Pri:Sec	ANSI Accuracy Class, 60 Hz				Continuous-Thermal-Current		One Second Thermal Limit,		Catalog Number
	Meter Class, Burden			Relay Class	Rating Factor		With Secondary Short-Circuited	With Burden B-0.2 or Greater	
	B-0.1	B-0.5	B-2		30°C Ambient	55°C Ambient			
Single-Secondary									
15:5	---	---	---	T10	1.5	1.0	13,000	13,000	755X001001
20:5	1.2	---	---	T10	1.5	1.0	13,000	13,000	755X001002
25:5	1.2	1.2	---	T10	1.5	1.0	10,000	13,000	755X001003
30:5	0.6	1.2	---	T20	1.5	1.0	6,000	13,000	755X001004
40:5	1.2	---	---	T10	1.5	1.0	25,200	25,200	755X001005
50:5	0.6	---	---	T10	1.5	1.0	15,000	25,200	755X001006
75:5	0.6	1.2	---	T20	1.5	1.0	15,000	33,500	755X001007
100:5	0.3	0.6	---	T20	1.5	1.0	10,000	33,500	755X001008
150:5	0.3	0.3	1.2	T50	1.5	1.0	21,000	33,500	755X001010
200:5	0.3	0.3	1.2	T50	1.5	1.0	26,000	44,000	755X001011
300:5	0.3	0.3	1.2	T50	1.5	1.0	35,000	44,000	755X001013
400:5	0.3	0.3	0.3	T200	1.5	1.0	44,000	44,000	755X001014
600:5	0.3	0.3	0.3	T200	1.5	1.0	55,000	55,000	755X001016
800:5	0.3	0.3	1.2	T50	1.5	1.0	59,000	59,000	755X001017
Dual-Secondary									
15:5 //5	---	---	---	T10	1.5	1.1	13,000	13,000	755X001025
20:5 //5	1.2	---	---	T10	1.5	1.1	13,000	13,000	755X001026
25:5 //5	1.2	1.2	---	T10	1.5	1.1	10,000	13,000	755X001027
30:5 //5	0.6	1.2	---	T20	1.5	1.1	6,000	13,000	755X001028
40:5 //5	1.2	---	---	T10	1.5	1.1	25,200	25,200	755X001029
50:5 //5	0.6	---	---	T10	1.5	1.1	15,000	25,200	755X001030
75:5 //5	0.6	1.2	---	T20	1.5	1.1	15,000	33,500	755X001031
100:5 //5	0.3	0.6	---	T20	1.5	1.1	10,000	33,500	755X001032
150:5 //5	0.3	0.3	1.2	T50	1.5	1.1	21,000	33,500	755X001033
200:5 //5	0.3	0.3	1.2	T50	1.5	1.1	26,000	44,000	755X001034
300:5 //5	0.3	0.3	1.2	T50	1.5	1.1	35,000	44,000	755X001035
400:5 //5	0.3	0.3	0.3	T100	1.5	1.1	44,000	44,000	755X001036
600:5 //5	0.3	0.3	0.3	T100	1.5	1.1	55,000	55,000	755X001037
800:5 //5	0.3	0.3	1.2	T50	1.5	1.1	59,000	59,000	755X001038
Tapped-Secondary									
50/100:5	1.2	2.4	---	T10	1.5	1.1	Refer to Factory for Application Information		755X001018
	0.3	0.6	2.4	T20	1.5	1.1			755X001019
75/150:5	0.6	1.2	---	T20	1.5	1.1			755X001020
	0.3	0.3	1.2	T50	1.5	1.1			755X001021
100/200:5	0.6	1.2	---	T20	1.5	1.1			755X001022
	0.3	0.3	1.2	T50	1.5	1.1			755X001023
150/300:5	0.3	0.6	2.4	T20	1.5	1.1			755X001024
	0.3	0.3	1.2	T50	1.5	1.1			
200/400:5	0.3	0.6	1.2	T50	1.5	1.1			
	0.3	0.3	0.3	T100	1.5	1.1			
300/600:5	0.3	0.6	2.4	T50	1.5	1.1			
	0.3	0.3	0.3	T100	1.5	1.1			
400/800:5	0.6	1.2	---	T20	1.5	1.1			
	0.3	0.3	1.2	T50	1.5	1.1			



Data subject to change without notice.

Reference Drawings

Accuracy Curves:

15:5	9689241529
20:5	9689241530
25:5	5453787
30:5	5453789
40:5	9689241531
50:5	9689241515
75:5	9689241532
100:5	9689241516
150:5	9689241517
200:5	9689241524
300:5	9689241525
400:5	9689241526
600:5	9689241527
800:5	9689241528

Excitation Curves:

15:5	9932600046
20:5	9932600047
25:5	9932600047
30:5	9932600047
40:5	9932600046
50:5	9932600046
75:5	9932600046
100:5	9932600047
150:5	9932600046
200:5	9932600047
300:5	9932600047
400:5	9932600046
600:5	9932600046
800:5	9932600046

Outline Drawings:

Single-Secondary Models	8949736
Dual-Secondary Models	8949937
Tapped-Secondary Models	8949807

Wiring Diagram refer to page 42, figure 4

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.4.

Primary and Secondary Coils

Please refer to General Product Information, item 3.3.

Primary

Terminals

Please refer to General Product Information, item 4.4.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

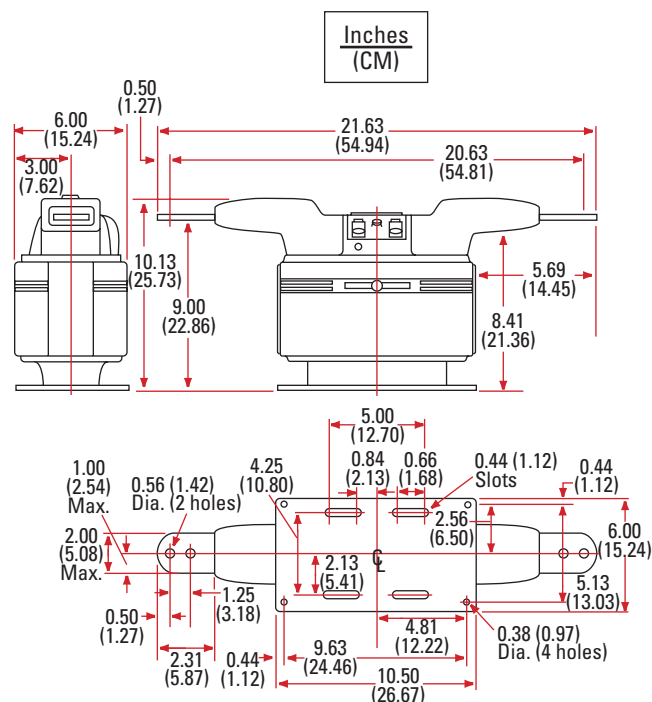
Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKS-5 mechanical dimensions



Data subject to change without notice.

15,000 V BIL 95 kV
Indoor Current
JKM-95
Metering Current
50/60 Hz



JKM-95 current transformer

Application

The Type JKM-95 is a metering current transformer to be used in conjunction with the Type JVM-95 voltage transformer for primary metering of underground distribution systems. It is suitable for use with watt-hour meters, on circuits not exceeding 15,000 Volts line-to-line.

ANSI Meter Accuracy Classification, 60 Hz

B-0.1, B-0.2, B-0.5; all models 0.3

Weight - Shipping/Net

(approximate, in pounds)

Transformer 62/56

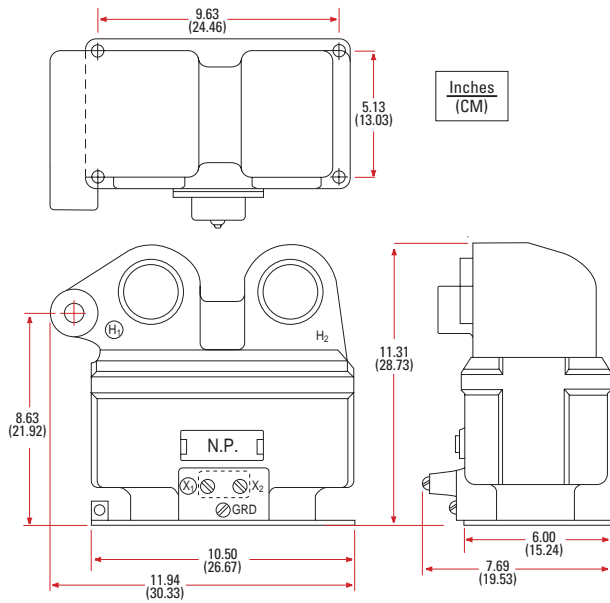
Reference Drawings

Accuracy Curves at 60 Hz:

5:5 A through 50:5 A 9689241736
 75:5 A 9689241735
 100:5 A 9689241734
 150:5 A 9689241733
 200:5 A 9689241732

Outline Drawing 9930895

Wiring Diagram refer to page 42, figure 4



JKM-95 mechanical dimensions

JKM-95 DATA TABLE

Current Ratio (in Amps) Pri : Sec	Continuous Thermal Current Rating Factor		Mechanical Limit, Amperes	One-Second Thermal Limit, Amperes	Catalog Number
	30°C Ambient	55°C Ambient			
5:5	3.0	2.0	1,850	925	755X044001
10:5	3.0	2.0	3,700	1,850	755X044002
15:5	3.0	2.0	5,550	2,775	755X044003
20:5	3.0	2.0	7,400	3,700	755X044004
25:5	3.0	2.0	9,250	4,625	755X044005
30:5	3.0	2.0	11,100	5,550	755X044006
50:5	3.0	2.0	12,500	9,250	755X044007
75:5	2.5 ①	2.0	18,750	13,875	755X044008
100:5	2.0 ①	2.0	25,000	18,500	755X044009
150:5	1.33 ①	1.33 ①	37,500	27,750	755X044010
200:5	1.0 ①	1.0 ①	50,000	37,000	755X044011

Note

① The transformer rating factor is limited by the cable connector modules to 200 Amperes rms continuous.



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, item 1.6.

Core

The core is made of high-permeability, formed, silicon-steel strip. The steel is characterized by highly directional properties, that is, low core losses and high permeability in the direction of rolling. Full advantage is taken of this property of the steel by the shape and construction of the core.

The core is made of two “U”-shaped parts with interleaved joints, which provides a construction that will not shift to cause any change in the transformer characteristics. After being assembled into the coils, the core is securely clamped and permanently fastened to the base plate by a heavy steel strap which encircles the core and is welded to the base.

Primary Terminals

The primary terminals consist of bushing wells cast in epoxy resin and molded into the current transformer. The bushing well interface dimensions are in accordance with NEMA proposed standard CG-P2. These wells are made to accept standard 8.3 kV, separable, insulated connector modules, such as the basic or switch module, which can be screwed into the instrument transformer bushing wells. The underground cable can then be attached to any of a variety of connectors that complete the final connection to the current transformer. The incoming cable would be connected in the bushing well marked H₁ (line side), and the outgoing cable connected to the bushing well marked H₂ (load side). A smaller recessed bushing well is located directly adjacent to the H₁ bushing well. This terminal is for making the voltage connection to the Type JVM-95 voltage transformer. A voltage probe connector assembly is provided with the voltage transformers for making the connection. **This connector assembly should not be opened or closed while the unit is energized.**

Winding

The primary winding consists of two coils connected in series. Each coil surrounds one leg of the core. This design reduces leakage losses, thus both improving the accuracy of the transformer, and providing a higher mechanical strength than a single-coil construction.

Secondary Winding

The secondary winding consists of two coils connected in parallel. Each coil is located inside the corresponding primary coil and surrounds one leg of the core.

Terminals

The secondary terminals are located near the baseplate of the current transformer. They are clamp-type terminals in fixed bronze posts, with excellent durability and corrosion resistance. The terminals have 0.275-inch

holes that accommodate large or multiple secondary wires. The secondary terminals are securely held in place by an internal terminal block.

The bronze short-circuiting bridge rotates around a center stud in a circular track for easy guidance and alignment to the contact area of the secondary terminals. The short-circuited connection is positive, direct, and visible to provide a reliable method of safe installation.

The secondary terminal block is molded of glass-filled nylon that can be snapped on and held in position by two raised tabs engaging the grooves near the top of the secondary terminals. The draft on the inside secondary cover ends is matched to the holding tabs, so when the cover is tightened into position, it locks these tabs into the secondary terminals.

Ground

A ground terminal is provided just below the secondary compartment for making optional connections to one of the secondary terminals. This 1/4 inch-20 round-head terminal is welded to the baseplate bracket. It is furnished with a cup washer, flat washer, and lock washer.

An “L”-shaped bracket with a hole is also provided at one corner of the baseplate for grounding purposes.

Cover

The secondary hardware is interlocked with a LEXAN® “see thru” secondary cover so that the secondary short-circuit device must be closed when the cover ports are blocked, and must be open when the secondary cover ports are open, or the cover cannot be installed on the transformer.

Polarity

Please refer to General Product Information, item 7.4.

Baseplate and Mounting

The base is made of painted a heavy steel plate with 7/16 inch holes in each of the four corners.

Nameplate

Please refer to General Product Information, item 6.8.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Caution

Primary high potential (hipot) testing can only be done by using the approved connector with appropriately shielded cables. Hipot testing using un-approved connectors and leads will cause irrevocable damage to the transformer.



15,000 V BIL 110 kV
Indoor Current
JKM-5
5 A to 800 A
50/60 Hz
Wound-type



When choosing your GE Instrument Transformer, don't forget to explore the benefits of using GE's 0.15 accuracy class AccuBute line. See page 3-78.



JKM-5 transformer, dual-secondary

Application

Designed for indoor service; suitable for operating meters, relays, and control devices.

Weight - Shipping/Net

(approximate, in pounds)

Single-Secondary	55/49
Dual-Secondary	112/100
Tapped-Secondary	55/49

Reference Drawings

Accuracy Curve	9932600088
Excitation Curve	9932600046
Group 18 only	9932600047
Outline Drawings:	
Single-Secondary Models	8949714
Dual-Secondary Models	8949937
Tapped-Secondary Models	9926216
Wiring Diagram	refer to page 42, figure 3

JKM-5 DATA TABLE

Current Ratio in Amperes Pri:Sec	ANSI Accuracy Class, 60 Hz		Relay Class	Continuous-Thermal Current Rating Factor 30°C Ambient	Mechanical Limit, Amperes	One Second Thermal Limit, Amperes	Catalog Number
	Meter Class, Burden B-0.1 - B-0.5	B-0.9, B-1.8					
Single-Secondary							
5:5	0.3	0.3	T200	1.5	625	465	755X042001
10:5	0.3	0.3	T200	1.5	1,250	930	755X042002
15:5	0.3	0.3	T200	1.5	1,875	1,470	755X042003
20:5	0.3	0.3	T200	1.5	2,500	1,850	755X042004
25:5	0.3	0.3	T200	1.5	3,125	2,300	755X042005
30:5	0.3	0.3	T200	1.5	3,750	2,460	755X042006
40:5	0.3	0.3	T200	1.5	5,000	3,720	755X042007
50:5	0.3	0.3	T200	1.5	6,250	4,600	755X042008
75:5	0.3	0.3	T200	1.5	9,375	6,375	755X042009
100:5	0.3	0.3	T200	1.5	12,500	8,600	755X042010
150:5	0.3	0.3	T200	1.5	18,750	12,750	755X042011
200:5	0.3	0.3	T200	1.5	25,000	17,200	755X042012
300:5	0.3	0.3	T200	1.5	37,500	25,800	755X042014
400:5	0.3	0.3	T200	1.5	50,000	36,000	755X042015
500:5	0.3	0.3	T200	1.5	54,690	42,000	755X042016
600:5	0.3	0.3	T200	1.5	75,000	51,600	755X042017
800:5	0.3	0.3	T200	1.2	80,000	63,200	755X042018
Dual-Secondary							
15:5 //5	0.3	0.3	T200	1.5	1,875	1,470	755X042024
20:5 //5	0.3	0.3	T200	1.5	2,500	1,860	755X042025
25:5 //5	0.3	0.3	T200	1.5	3,125	2,300	755X042026
30:5 //5	0.3	0.3	T200	1.5	3,750	2,460	755X042027
40:5 //5	0.3	0.3	T200	1.5	5,000	3,720	755X042028
50:5 //5	0.3	0.3	T200	1.5	6,250	4,600	755X042029
75:5 //5	0.3	0.3	T200	1.5	9,375	6,375	755X042030
100:5 //5	0.3	0.3	T200	1.5	12,500	8,600	755X042031
150:5 //5	0.3	0.3	T200	1.5	18,750	12,750	755X042032
200:5 //5	0.3	0.3	T200	1.5	25,000	17,200	755X042033
300:5 //5	0.3	0.3	T200	1.5	37,500	25,800	755X042034
400:5 //5	0.3	0.3	T200	1.5	50,000	36,000	755X042035
600:5 //5	0.3	0.3	T200	1.5	75,000	51,600	755X042036
800:5 //5	0.3	0.3	T200	1.2	80,000	63,200	755X042037
Tapped-Secondary							
50/100:5	0.3	---	T100	2.0	12,500	4,300	755X042039
	0.3	0.3	T200	1.5	12,500	8,600	
75/150:5	0.3	---	T100	2.0	18,750	6,375	755X042040
	0.3	0.3	T200	1.5	18,750	12,750	
100/200:5	0.3	---	T100	2.0	25,000	8,600	755X042041
	0.3	0.3	T200	1.5	25,000	17,200	
150/300:5	0.3	---	T100	2.0	37,500	12,900	755X042042
	0.3	0.3	T200	1.5	37,500	25,800	
200/400:5	0.3	---	T100	2.0	50,000	18,000	755X042043
	0.3	0.3	T200	1.5	50,000	36,000	
300/600:5	0.3	---	T100	2.0	75,000	25,800	755X042044
	0.3	0.3	T200	1.5	75,000	51,600	
400/800:5	0.3	---	T100	2.0	80,000	31,600	755X042045
	0.3	0.3	T200	1.5	80,000	63,200	



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.4.

Primary and Secondary Coils

Please refer to General Product Information, item 3.3.

Primary

Terminals

Please refer to General Product Information, item 4.3.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

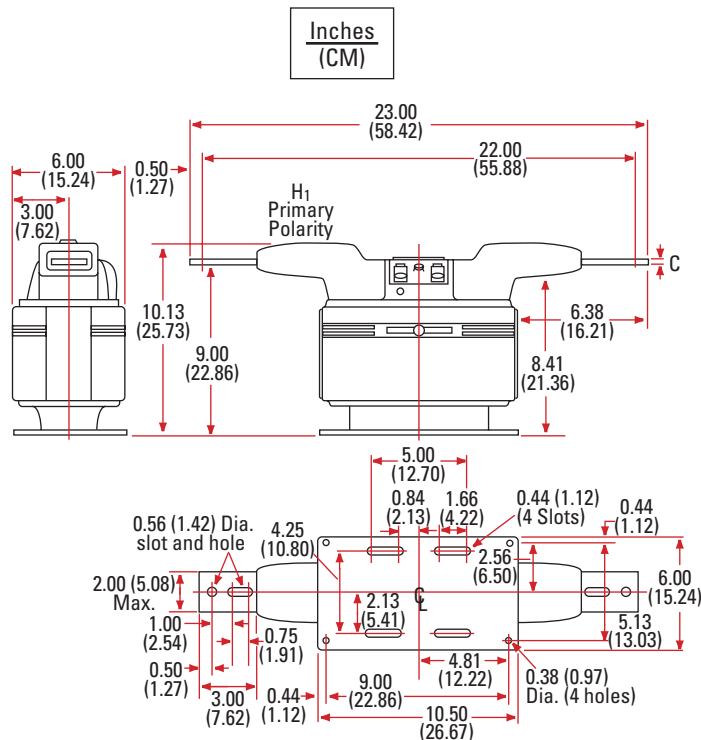
Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.



JKM-5 mechanical dimensions



Data subject to change without notice.

15,000 V BIL 110 kV
 Indoor Current
JKM-5A
 5 A to 800 A
 50/60 Hz
 Wound-type



JKM-5A transformer, single-secondary

Application

Designed for indoor service; suitable for operating meters, relays, and control devices. The JKM-5A features 0.15 accuracy from 5% of nameplate Amps through Rating Factor Amps when applied within its burden capability.

Weight - Shipping/Net

(approximate, in pounds)

Transformer 53/47

Reference Drawings

Accuracy Curve 9932600136
 Group 8 only 9932600154
 Excitation Curve 9932600138
 Group 8 only 9932600155
 Outline Drawing, Single-Secondary 9935470
 Wiring Diagram refer to page 42, figure 4

JKM-5A DATA TABLE

Current Ratio in Amperes Pri:Sec	ANSI Accuracy Class, 60 Hz			Continuous-Thermal Current Rating Factor 30°C/55°C Ambient	Mechanical Limit, Amperes	One Second Thermal Limit, Amperes	Catalog Number
	Meter Class, Burden		Relay Class				
	B-0.1 - B-0.5	B-0.1 - B-1.8					
Single-Secondary							
5:5	0.15	0.3	T200	1.5/1.0	625	465	755X045001
10:5	0.15	0.3	T200	1.5/1.0	1,250	930	755X045002
15:5	0.15	0.3	T200	1.5/1.0	1,875	1,470	755X045003
20:5	0.15	0.3	T200	1.5/1.0	2,500	1,860	755X045004
25:5	0.15	0.3	T200	1.5/1.0	3,125	2,300	755X045005
30:5	0.15	0.3	T200	1.5/1.0	3,750	2,460	755X045006
40:5	0.15	0.3	T200	1.5/1.0	5,000	3,720	755X045007
50:5	0.15	0.3	T200	1.5/1.0	6,250	4,600	755X045008
75:5	0.15	0.3	T200	1.5/1.0	9,375	6,375	755X045009
100:5	0.15	0.3	T200	1.5/1.0	12,500	8,600	755X045010
150:5	0.15	0.3	T200	1.5/1.0	18,750	12,750	755X045011
200:5	0.15	0.3	T200	1.5/1.0	25,000	17,200	755X045012
300:5	0.15	0.3	T200	1.5/1.0	37,500	25,800	755X045014
400:5	0.15	0.3	T200	1.5/1.0	50,000	36,000	755X045015
600:5	0.15	0.3	T200	1.5/1.0	75,000	51,600	755X045017



Data subject to change without notice.

Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.4.

Primary and Secondary Coils

Please refer to General Product Information, item 3.3.

Primary

Terminals

Please refer to General Product Information, item 4.3.

Secondary

Terminals

Please refer to General Product Information, item 4.13.

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.5.

Nameplate

Please refer to General Product Information, item 6.3.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

