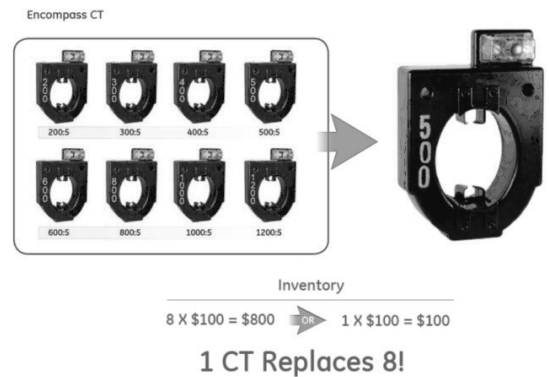


ELECTRICAL UTILITY STYLE SELECTION

600 V - 69 kV Current
& Voltage Transformers



All units meet requirements of IEEE C57.13.

This publication contains information on the most commonly used instrument transformers. There are many models and ratings not listed.

For prices, assistance in selection, and availability, please contact your nearest GE Vernova/ITI representative or visit www.geiti.com

All Electrical Utility instrument transformers are produced in our state-of-the-art manufacturing facility in Clearwater, and in Somersworth, NH. Our vertically integrated supply chain, innovative designs, & diverse engineering team, combine to give our offering a competitive edge. Our design engineers can meet nearly any special requirement, with a special emphasis on some of the alternatives below:

High Accuracy (-AC): 0.15 metering class per IEEE. Popular for increased metering revenue.

Special High Accuracy (-S): 0.15S metering class per IEEE, applicable to CT's only. The highest CT rating available per IEEE standards.

Accubute™ (-A): Legendary reliability of Hy-Bute-60™ combined with the highest IEEE accuracy classes available. High Accuracy PT's (0.15) and CT's (0.15S) with butyl rubber insulation. Available 5-69 kV, most models.

Extended Range (-ER): 0.15S metering class, with rated performance down thru 1% of primary amps.

High Temperature (-OCV): 85°C ambient rating vs. the standard 55°C. Popular for padmount metering cabinets and warmer climates.

Encompass™ Wide Range CT's (-OW): The benefits of simplified ordering, billing, and inventory reduction, without the cost premium of high accuracy product. Meets standard accuracy class from a rating factor of 0.4 to 4.0.



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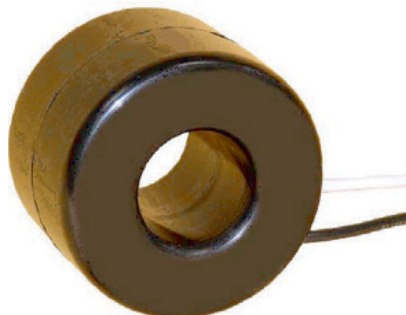
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600 Volt Current Transformer

Model 2DARL

Window: 1.00"



APPLICATION

Sub-metering, load control, etc. Suitable for ammeters, wattmeters and cross current compensation.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

CSA Recognized File LR89403

WEIGHT (approximate) 0.9 lbs

INSULATION LEVEL

600 Volts, 10 kV BIL full wave.

Flexible leads are UL 1015, 105°C, CSA approved, #16 AWG, 24" long. Non-standard, lead length can be specified.

FREQUENCY

50-400 Hz

2DARL Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | VA ± 1% CLASS | SECONDARY WINDING RESISTANCE (Ohms @ 75°C) | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER |
|--------------------------------|----------------------------------|------|------|------|------|---------------|--|--|-------------|----------------|
| | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | | | @ 30°C amb. | @ 55°C amb. | |
| 50:5 | 4.8 | -- | -- | -- | -- | 2% 2.5 | 0.008 | 2.0 | 2.0 | 2DARL-500 |
| 60:5 | 1.2 | 4.8 | -- | -- | -- | 2.5 | 0.011 | 2.0 | 2.0 | 2DARL-600 |
| 75:5 | 1.2 | 2.4 | -- | -- | -- | 3.5 | 0.015 | 2.0 | 2.0 | 2DARL-750 |
| 80:5 | 1.2 | 2.4 | 4.8 | -- | -- | 4.0 | 0.016 | 2.0 | 2.0 | 2DARL-800 |
| 100:5 | 1.2 | 2.4 | 4.8 | -- | -- | 5.0 | 0.018 | 2.0 | 2.0 | 2DARL-101 |
| 120:5 | 1.2 | 2.4 | 2.4 | 4.8 | -- | 5.0 | 0.022 | 2.0 | 2.0 | 2DARL-121 |
| 125:5 | 0.6 | 1.2 | 2.4 | 4.8 | -- | 5.0 | 0.028 | 2.0 | 1.5 | 2DARL-1250 |
| 150:5 | 0.6 | 0.6 | 1.2 | 2.4 | 4.8 | 10.0 | 0.031 | 2.0 | 1.5 | 2DARL-151 |
| 200:5 | 0.3 | 0.6 | 1.2 | 1.2 | 2.4 | 12.5 | 0.047 | 1.5 | 1.33 | 2DARL-201 |
| 250:5 | 0.3 | 0.3 | 0.6 | 1.2 | 2.4 | 15.0 | 0.074 | 1.5 | 1.25 | 2DARL-251 |
| 300:5 | 0.3 | 0.3 | 0.6 | 0.6 | 1.2 | 20.0 | 0.089 | 1.5 | 1.0 | 2DARL-301 |

600 Volt Current Transformer

Model JAB-0C

Window: 4.50" x 3.50"



APPLICATION

Designed for indoor service; especially designed for installation over the secondary bushings of pad mounted transformers. For mounting and application information, including use at higher voltages, and matching the current rating to the pad transformer thermal capability.

IEEE METER ACCURACY CLASS, 60 Hz

0.3% class from B0.1 to the burdens shown in the table.

WEIGHT & Dimensions

Weight (approximate)8.25 lbs
 Height8.75"
 Width 6.00"
 Depth 2.30"

REFERENCE DRAWINGS

Outline 0121C33851
 Outline (Rectangular).....0121C34472
 Outline (1.88" cast)0121C34503
 Outline (2.00" cast).....0121C34986
 Outline (2.50" cast).....0121C40892

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

Jab-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER (WITH SECONDARY HARDWARE AND COVER) | CATALOG NUMBER FOR RECTANGULAR CAST JAB-0C |
|-----------------------------------|--------|--|-------------|---|--|
| | | @ 30°C amb. | @ 55°C amb. | | |
| * 100:5 | B0.1 | 4.0 | 4.0 | 750X136618 | -- |
| 200:5 | B0.1 | 4.0 | 2.9 | 750X136202 | 750X136302 |
| * 200:5 | B0.2 | 4.0 | 4.0 | 750X136668 | -- |
| * 300:5 | B0.5 | 3.0 | 2.2 | 750X136660 | -- |
| 300:5 | B0.2 | 4.0 | 2.9 | 750X136203 | 750X136303 |
| 400:5 | B0.2 | 4.0 | 2.9 | 750X136204 | 750X136304 |
| *400:5 | B0.5 | 4.0 | 2.9 | 750X136667 | -- |
| 500:5 | B0.5 | 3.0 | 2.2 | 750X136205 | 750X136305 |
| 600:5 | B0.5 | 3.0 | 2.2 | 750X136206 | 750X136306 |
| 800:5 | B0.5 | 3.0 | 2.2 | 750X136208 | 750X136308 |
| 1000:5 | B0.5 | 2.0 | 1.5 | 750X136210 | 750X136310 |
| 1200:5 | B0.5 | 2.0 | 1.5 | 750X136212 | 750X136312 |
| 1500:5 | B0.9 | 2.0 | 1.5 | 750X136215 | 750X136315 |
| *1500:5 | B0.9 | 3.0 | 2.4 | 750X136465 | -- |
| 2000:5 | B1.8 | 1.5 | 1.1 | 750X136220 | 750X136320 |
| 3000:5 | B1.8 | 1.33 | 1.0 | 750X136230 | 750X136330 |
| 4000:5 | B1.8 | 1.0 | 0.7 | 750X136655 | 750X136423 |

* Grecian Urn Style available in cast version only. Consult factory for dimensions.

600 Volt Current Transformer

Model JAB-0CV (High Temp)

Window: 4.50" x 3.50"



For High Ambient Temperature Applications

APPLICATION

Designed for indoor service.

This special version of the JAB-0CV current transformer is designed for use on heavily loaded pad mount transformers operating in high temperature environments up to 85°C. For mounting and application information, including use at higher voltages, and matching the current rating to the pad transformer thermal capability.

IEEE METER ACCURACY CLASS, 60 Hz

0.3% class from B0.1 to the burdens shown in the table.

WEIGHT & Dimensions

(approximate)

Weight:8.25 lbs
 Height:8.75"
 Width: 6.00"
 Depth: 2.30"

REFERENCE DRAWINGS

Outline 0121C33851

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JAB-0CV Data Table

| CURRENT RATIO (Amps) Pri : Sec | BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR | CATALOG NUMBER (WITH SECONDARY HARDWARE AND COVER) |
|-----------------------------------|--------|---|--|
| | | @ 85°C amb. | |
| 200:5 | B0.1 | 4.0 | 750X236202 |
| 300:5 | B0.2 | 4.0 | 750X236203 |
| 400:5 | B0.2 | 4.0 | 750X236204 |
| 500:5 | B0.5 | 3.0 | 750X236205 |
| 600:5 | B0.5 | 3.0 | 750X236206 |
| 800:5 | B0.5 | 3.0 | 750X236208 |
| 1000:5 | B0.5 | 2.0 | 750X236210 |
| 1200:5 | B0.5 | 2.0 | 750X236212 |
| 1500:5 | B0.9 | 2.0 | 750X236215 |
| 2000:5 | B1.8 | 1.5 | 750X236220 |
| 3000:5 | B1.8 | 1.33 | 750X236230 |

Notes: Consult factory for base plate provisions.

600 Volt Current Transformer

Model JAB-AC (High Accuracy)

Window: 4.50" x 3.50"



APPLICATION

Designed for indoor service; especially designed for installation over the secondary bushings of pad mounted transformers from 75 kVA TO 3000 kVA. For mounting and application information, including use at higher voltages, and matching the current rating to the pad transformer thermal capability.

WEIGHT & Dimensions

(approximate)

Weight:8.25 lbs
 Height:8.75"
 Width: 6.00"
 Depth: 2.30"

REFERENCE DRAWINGS

Outline 0121C33851

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JAB-AC Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | ELECTRONIC BURDENS | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER (WITH SECONDARY HARDWARE AND COVER) |
|-----------------------------------|-------------------------------------|------|------|--------------------|------|--|-------------|--|
| | B0.1 | B0.2 | B0.5 | E0.04 | E0.2 | @ 30°C amb. | @ 55°C amb. | |
| 800:5 | 0.15 | 0.15 | 0.3 | -- | -- | 3.0 | 2.2 | 750X136412 |
| 1000:5 | 0.15 | 0.15 | 0.3 | 0.15 | -- | 2.0 | 1.5 | 750X136413 |
| 1200:5 | 0.15 | 0.15 | 0.3 | 0.15 | -- | 1.5 | 1.1 | 750X136414 |
| 1500:5 | 0.15 | 0.15 | 0.3 | 0.15 | 0.15 | 2.0 | 1.5 | 750X136415 |
| 2000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.0 | 0.7 | 750X136416 |
| 3000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.0 | 0.7 | 750X136417 |

Notes: Ψ A high temperature version is available for use in locations with unusually high ambient temperatures. Consult factory for base plate provisions.

600 Volt Current Transformer

Model JAB-0W (Encompass)

Window: 4.50" x 3.50"



APPLICATION

Designed for indoor service; especially designed for installation over the secondary bushings of pad-mounted transformers from 75 kVA to 3000 kVA. For mounting and application information, including use at higher voltages, and matching the current rating to the transformer thermal capability.

WEIGHT (approximate)

Weight 4.0 lbs

REFERENCE DRAWINGS

Outline 0121C33851

Outline (cast resin) 0121C40890

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

Brochure Available at www.GEIT.com

JAB-0W Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS BURDEN 0.3 B0.5 | CONTINUOUS THERMAL CURRENT RATING FACTOR | | DIMENSIONS IN INCHES | | | CATALOG NUMBER |
|-----------------------------------|--|---|-------------|----------------------|-------|-------|----------------|
| | | @ 30°C amb. | @ 55°C amb. | HEIGHT | WIDTH | DEPTH | |
| 500:5 | 200:2 to 2000:20 | 4.0 | 3.0 | 8.75 | 6.00 | 2.30 | 750X136651 |
| 1500:5 | 600:2 to 3000:10 | 2.0 | 1.5 | 8.75 | 6.00 | 2.30 | 750X136652 |

JAB-0W HIGH TEMP DATA TABLE

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS BURDEN 0.3 B0.5 | CONTINUOUS THERMAL CURRENT RATING FACTOR | DIMENSIONS IN INCHES | | | CATALOG NUMBER |
|-----------------------------------|--|---|----------------------|-------|-------|----------------|
| | | @ 85°C amb. | HEIGHT | WIDTH | DEPTH | |
| 500:5 | 200:2 to 2000:20 | 4.0 | 9.37 | 6.38 | 2.50 | 750X136464 |
| 1500:5 | 600:2 to 3000:10 | 2.0 | 8.75 | 6.00 | 2.30 | 750X136463 |

Transformer rated meters must be investigated for use at the lower current range extension.

600 Volt Current Transformer

Model JCT-0C



Dimensions do not include high baseplate

APPLICATION

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

WEIGHT (Approximate)

Transformer, without base 7.0 lbs
 Low base, add 0.25 lbs
 High (EEI) base, add 1.0 lbs

DIMENSIONS

Height 5.06"
 Width 11.85"
 Depth 3.38"

REFERENCE DRAWINGS

Outline 0121C33682

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave.

FREQUENCY

50-60 Hz

JCT-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER | |
|--------------------------------|----------------------------------|------|------|--|-------------|-----------------------------------|--------------------------------------|
| | B0.1 | B0.2 | B0.5 | @ 30°C amb. | @ 55°C amb. | WITH SECONDARY HARDWARE AND COVER | WITHOUT SECONDARY HARDWARE AND COVER |
| Without Base | | | | | | | |
| 100:5 | 0.3 | 0.3 | | 4.0 | 3.0 | 750X123623 | |
| 200:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 750X123202 | 750X123102 |
| 400:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 750X123204 | 750X123104 |
| 600:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X123206 | 750X123106 |
| 800:5 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X123208 | 750X123108 |
| With Low Base | | | | | | | |
| 100:5 | 0.3 | 0.3 | | 4.0 | 3.0 | 750X123616 | |
| 200:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 750X123212 | 750X123112 |
| 400:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 750X123214 | 750X123114 |
| 600:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X123216 | 750X123116 |
| 800:5 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X123218 | 750X123118 |
| With High (EEI) Base | | | | | | | |
| 100:5 | 0.3 | 0.3 | | 4.0 | 3.0 | 750X123660 | |
| 200:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 750X123222 | 750X123122 |
| 400:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 750X123224 | 750X123124 |
| 600:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X123226 | 750X123126 |
| 800:5 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X123228 | 750X123128 |

600 Volt Current Transformer

Model JCT-AC (High Accuracy)



Dimensions do not include high baseplate

APPLICATION

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

WEIGHT (Approximate)

Transformer, without base 7.0 lbs
 Low base, add 0.25 lbs
 High (EEl) base, add 1.0 lbs

DIMENSIONS

Height 5.06"
 Width 12.16"
 Depth 3.38"

REFERENCE DRAWINGS

Outline 0121C42808

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave.

FREQUENCY

50-60 Hz

JCT-AC Data Table

| CURRENT RATIO (Amps Pri : Sec) | IEEE ACCURACY CLASS 60 Hz BURDEN | | ELECTRONIC BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|------|----------------------|---|-------------|--------------------------------------|
| | B0.1 | B0.2 | E0.04 | @ 30°C amb. | @ 55°C amb. | WITH SECONDARY HARDWARE AND COVER |
| Without Base | | | | | | |
| 600:5 | 0.15 | 0.30 | 0.15 | 2.0 | 1.5 | 750X123625 |
| 800:5 | 0.15 | 0.15 | 0.15 | 1.5 | 1.0 | 750X123626 |

Baseplate Models Available, Consult Factory for Catalog Number

600 Volt Current Transformer

Model JCM-0C



Dimensions do not include high baseplate

APPLICATION

Designed for indoor service. Designed to provide high accuracy in applications with high metering secondary burdens. Suitable for operating meters and instruments, on both single-phase two-wire circuits and polyphase circuits.

WEIGHT (Approximate)

Transformer, without base 5.8 lbs
 Low base, add 0.25 lbs
 High (EEI) base, add 1.0 lbs

DIMENSIONS

Height 5.06"
 Width 11.85"
 Depth 7.38"

REFERENCE DRAWINGS

Outline 0121C33704

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JCM-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER | |
|-----------------------------------|-------------------------------------|------|------|---|-------------|--------------------------------------|---|
| | B0.1 | B0.2 | B0.5 | @ 30°C amb. | @ 55°C amb. | WITH SECONDARY HARDWARE AND COVER | WITHOUT SECONDARY HARDWARE AND COVER |
| Without Base | | | | | | | |
| 200:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X125013 | 750X125009 |
| 400:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X125014 | 750X125010 |
| With Low Base | | | | | | | |
| 200:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X125021 | 750X125017 |
| 400:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X125022 | 750X125018 |
| With High (EEI) Base | | | | | | | |
| 200:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X125029 | 750X125025 |
| 400:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X125030 | 750X125026 |

600 Volt Current Transformer

Model JCR-0C

Window: 1.12", 1.50", 2.00"



APPLICATION

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

WEIGHT (Approximate)

Transformer, without base

| | |
|----------------------------|---------|
| 200:5 | 5.5 lbs |
| 300:5 | 3.8 lbs |
| 400:5 | 3.3 lbs |
| Low base, add | 0.5 lbs |
| High (EEI) base, add | 1.0 lbs |

DIMENSIONS

| | |
|--------------|-----------------------|
| Height | 5.80" w/low baseplate |
| Width | 3.96" w/low baseplate |
| Depth | 3.87" w/o baseplate |

REFERENCE DRAWINGS

| | |
|--------------------------|------------|
| Outline | 0121C33753 |
| Low Base Assembly | 0221C36157 |
| High Base Assembly | 0221C36158 |

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JCR-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | WINDOW I.D. (inches) | CATALOG NUMBER | |
|--------------------------------|----------------------------------|------|------|--|-------------|----------------------|-----------------------------------|--------------------------------------|
| | B0.1 | B0.2 | B0.5 | @ 30°C amb. | @ 55°C amb. | | WITH SECONDARY HARDWARE AND COVER | WITHOUT SECONDARY HARDWARE AND COVER |
| Without Base | | | | | | | | |
| 100:5 | 0.3 | 0.3 | 1.2 | 4.0 | 3.0 | 1.125 | 750X134072 | 750X134071 |
| 200:5 | 0.3 | 0.3 | 0.6 | 3.0 | 2.0 | 1.50 | 750X134053 | 750X134052 |
| 300:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 2.00 | 750X134022 | 750X134021 |
| 400:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 2.00 | 750X134004 | 750X134002 |
| With Low Base | | | | | | | | |
| 100:5 | 0.3 | 0.3 | 1.2 | 4.0 | 3.0 | 1.125 | 750X134074 | 750X134073 |
| 200:5 | 0.3 | 0.3 | 0.6 | 3.0 | 2.0 | 1.50 | 750X134055 | 750X134054 |
| 300:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 2.00 | 750X134024 | 750X134023 |
| 400:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 2.00 | 750X134008 | 750X134006 |
| With High (EEI) Base | | | | | | | | |
| 100:5 | 0.3 | 0.3 | 1.2 | 4.0 | 3.0 | 1.125 | 750X134076 | 750X134075 |
| 200:5 | 0.3 | 0.3 | 0.6 | 3.0 | 2.0 | 1.50 | 750X134057 | 750X134056 |
| 300:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 2.00 | 750X134026 | 750X134025 |
| 400:5 | 0.3 | 0.3 | 0.6 | 2.0 | 1.5 | 2.00 | 750X134012 | 750X134010 |

600 Volt Current Transformer

Model JCR-0W (Encompass)

Window: 2.00"



Brochure Available at www.GEITI.com

APPLICATION

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

WEIGHT (approximate)

Transformer,

- Low Base 4.0 lbs
- High Base 5.0 lbs

DIMENSIONS

- Height 5.65" w/base
- Width 3.96"
- Depth 3.00", 5.26" w/base

REFERENCE DRAWINGS

- Outline 0121C36111

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JCR-0W Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN 0.3 B0.2 | WINDOW SIZE (Inside Dia.) | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER WITHOUT BASE | |
|-----------------------------------|---|------------------------------|---|-------------|---|--|
| | | | @ 30°C amb. | @ 55°C amb. | WITH SECONDARY HARDWARE AND COVER | WITHOUT SECONDARY HARDWARE AND COVER |
| 250:5 | 100:2 to 1000:20 | 2.0" | 4.0 | 3.0 | 750X134608 | 750X134611 |
| | | | | | With Low Base | |
| 250:5 | 100:2 to 1000:20 | 2.0" | 4.0 | 3.0 | 750X134609 | 750X134612 |
| | | | | | With High Base | |
| 250:5 | 100:2 to 1000:20 | 2.0" | 4.0 | 3.0 | 750X134610 | 750X134613 |

600 Volt Current Transformer

Model JCW-0C

Window: 1.12", 1.50", 2.00"



APPLICATION

Designed for both indoor and outdoor service. Designed to provide high accuracy in applications with high metering secondary burdens. Suitable for operating meters and instruments, on both single phase two-wire circuits and polyphase circuits.

WEIGHT (approximate)

Transformer, without base

| | |
|----------------------------|---------|
| 200:5 | 6.0 lbs |
| 300:5 | 4.8 lbs |
| 400:5 | 4.0 lbs |
| Low Base, add | 0.5 lbs |
| High (EEI) Base, add | 1.0 lbs |

DIMENSIONS

| | |
|--------------|-----------------------|
| Height | 5.80" w/low baseplate |
| Width..... | 3.96" w/low baseplate |
| Depth | 3.87" w/o baseplate |

REFERENCE DRAWINGS

| | |
|-------------------------------|------------|
| Outline | 0121C33754 |
| Bar Assembly (600-800A) | 0821B38057 |
| Bar Assembly (400A) | 0821B38093 |
| Bar Assembly (200-300A) | 0821B38639 |
| Bar Assembly (100A) | 0821B38662 |
| Low Base Assembly | 0221A36157 |
| High Base Assembly | 0221A36158 |

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

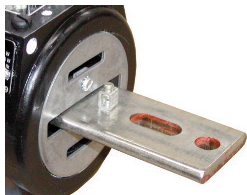
JCW-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | WINDOW I.D. (inches) | CATALOG NUMBER (WITH SECONDARY HARDWARE AND COVER) | CATALOG NUMBER (WITH PRIMARY BAR) |
|-----------------------------------|-------------------------------------|------|------|---|-------------|-------------------------|---|--------------------------------------|
| | B0.1 | B0.2 | B0.5 | @ 30°C amb. | @ 55°C amb. | | | |
| Without Base | | | | | | | | |
| 100:5 | 0.3 | 0.3 | 1.2 | 4.0 | 3.0 | 1.125 | 750X132623 | 750X132626 |
| 200:5 | 0.3 | 0.3 | 0.3 | 4.0 | 3.0 | 1.50 | 750X132638 | 750X132639 |
| 200:5 | 0.3 | 0.3 | 0.3 | 3.0 | 2.0 | 1.50 | 750X132203 | 750X132629 |
| 300:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132206 | 750X132632 |
| 400:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132204 | 750X132635 |
| 600:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132616 | 750X132611 |
| 800:5 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 2.00 | 750X132620 | 750X132613 |
| With Low Base | | | | | | | | |
| 100:5 | 0.3 | 0.3 | 1.2 | 4.0 | 3.0 | 1.125 | 750X132624 | 750X132627 |
| 200:5 | 0.3 | 0.3 | 0.3 | 4.0 | 3.0 | 1.50 | 750X132640 | 750X132641 |
| 200:5 | 0.3 | 0.3 | 0.3 | 3.0 | 2.0 | 1.50 | 750X132213 | 750X132630 |
| 300:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132220 | 750X132633 |
| 400:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132214 | 750X132636 |
| 600:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132614 | 750X132612 |
| 800:5 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 2.00 | 750X132621 | 750X132618 |
| With High (EEI) Base | | | | | | | | |
| 100:5 | 0.3 | 0.3 | 1.2 | 4.0 | 3.0 | 1.125 | 750X132625 | 750X132628 |
| 200:5 | 0.3 | 0.3 | 0.3 | 4.0 | 3.0 | 1.50 | 750X132642 | 750X132643 |
| 200:5 | 0.3 | 0.3 | 0.3 | 3.0 | 2.0 | 1.50 | 750X132223 | 750X132631 |
| 300:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132226 | 750X132634 |
| 400:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132224 | 750X132637 |
| 600:5 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 2.00 | 750X132617 | 750X132615 |
| 800:5 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 2.00 | 750X132622 | 750X132619 |

600 Volt Current Transformer

Model JAK-0C

Window: 1.50", 2.60", 3.06"



Dimensions do not include high baseplates

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.

IEEE METER ACCURACY CLASS, 60 Hz

0.3% class from B0.1 to the burdens shown in the table.

WEIGHT (approximate)

| | |
|-------------------------------------|---------|
| Window-Type Transformer | 12 lbs |
| Primary Bar-Type Transformers | 15 lbs |
| Low Base, add | 0.7 lbs |
| High Base, add | 1.0 lbs |

DIMENSIONS

| | |
|--------------|-----------------------|
| Height | 6.86" w/low baseplate |
| Width | 5.13" w/low baseplate |
| Depth | 4.20", 5.0" |

REFERENCE DRAWINGS

| | |
|-------------------------------------|------------|
| Outline (100-800:5) (Pri Bar) | 0121C38912 |
| Outline (1000-2000:5) | 0121C36235 |
| Outline (3000:5) | 0121C39069 |
| Outline (100-800:5) | 0121C33607 |
| Outline (dual ratio) | 0121C34087 |

JAK-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | CONTINUOUS THERMAL CURRENT RATING FACTOR | | WINDOW I.D. " | BURDEN | CATALOG NUMBER | | | | 11.88" PRIMARY BAR ASSEMBLY |
|---------------------------------------|--|-------------|---------------|-----------|----------------|------------|------------|------------|-----------------------------|
| | @ 30°C amb. | @ 55°C amb. | | | NO BASE | LOW BASE | WIDE BASE | HIGH BASE | |
| Window-Type, Single Ratio | | | | | | | | | |
| 100:5 | 4.0 | 4.0 | 1.50 | B0.2 | 750X133635 | 750X133645 | 750X133637 | 750X133638 | 0821C34762-7 |
| **100:5 | 4.0 | 4.0 | 2.60 | B0.1 | 750X133673 | 750X133636 | 750X133674 | 750X133675 | 0821C34762-1 |
| 200:5 | 4.0 | 4.0 | 2.60 | B0.5 | 750X133301 | 750X133311 | 750X133351 | 750X133321 | 0821C34762-5 |
| 200:5 | 4.0 | 2.9 | 2.60 | B0.2 | 750X133976 | 750X133977 | 750X133978 | 750X133979 | 0821C34762-5 |
| 200:5 | 4.0 | 2.9 | 3.062 | B0.1 | 750X133972 | 750X133973 | 750X133974 | 750X133975 | 0821C34762-5 |
| **300:5 | 4.0 | 2.9 | 3.062 | B0.5 | 750X133302 | 750X133312 | 750X133352 | 750X133322 | 0821C34762-9 |
| 400:5 | 4.0 | 2.9 | 3.062 | B0.5 | 750X133303 | 750X133313 | 750X133353 | 750X133323 | 0821C34762-4 |
| 500:5 | 3.0 | 2.4 | 3.062 | B0.5 | 750X133304 | 750X133314 | 750X133354 | 750X133324 | 0821C34762-4 |
| 600:5 | 2.0 | 1.8 | 3.062 | B0.5 | 750X133305 | 750X133315 | 750X133355 | 750X133325 | 0821C34762-4 |
| 800:5 | 2.0 | 1.5 | 3.062 | B0.5 | 750X133306 | 750X133316 | 750X133356 | 750X133326 | 0821C34762-4 |
| 1000:5 | 2.0 | 1.5 | 3.062 | B0.5 | 750X133546 | 750X133547 | 750X133548 | 750X133549 | 0821C34762-10 |
| 1200:5 | 1.5 | 1.1 | 3.062 | B1.8 | 750X133500 | 750X133501 | 750X133502 | 750X133503 | 0821C34762-10 |
| 1500:5 | 1.5 | 1.1 | 3.062 | B1.8 | 750X133504 | 750X133505 | 750X133506 | 750X133507 | 0821C34762-11 |
| 2000:5 | 1.0 | 0.7 | 3.062 | B1.8 | 750X133508 | 750X133509 | 750X133510 | 750X133511 | 0821C34762-10 |
| 3000:5 | 1.0 | 0.7 | 3.062 | B1.8 | 750X133512 | 750X133513 | 750X133514 | 750X133515 | 0821B38171 |
| Window-Type, Dual Ratio | | | | | | | | | |
| 200/400:5** | 2.0/2.0 | 1.5/1.5 | 2.60 | B0.5 | 750X133307 | 750X133317 | -- | -- | 0821C34762-1 |
| 300/600:5** | 2.0/2.0 | 1.5/1.5 | 3.062 | B0.5 | 750X133308 | 750X133318 | -- | -- | 0821C34762-9 |
| 400/800:5 | 2.0/2.0 | 1.5/1.5 | 3.062 | B0.5 | 750X133309 | 750X133319 | -- | -- | 0821C34762-2 |
| 1000/2000:5 | 1.5/1.0 | 1.1/0.7 | 3.062 | B0.5/B1.8 | 750X133516 | 750X133517 | -- | -- | 0821C34762-10 |
| 1500/3000:5 | 1.3/1.0 | 1.0/0.7 | 3.062 | B0.9/B1.8 | 750X133518 | 750X133519 | -- | -- | 0821B38171 |
| Primary Bar-Type, Single Ratio | | | | | | | | | |
| 100:5 | 4.0 | 4.0 | 1.50 | B0.2 | -- | 750X133639 | -- | 750X133640 | 0821C34762-7 |
| 200:5 | 4.0 | 4.0 | 2.60 | B0.5 | -- | 750X133331 | -- | 750X133341 | 0821C34762-5 |
| **300:5 | 4.0 | 2.9 | 3.062 | B0.5 | -- | 750X133332 | -- | 750X133342 | 0821C34762-9 |
| 400:5 | 4.0 | 2.9 | 3.062 | B0.5 | -- | 750X133333 | -- | 750X133343 | 0821C34762-4 |
| 500:5 | 3.0 | 2.4 | 3.062 | B0.5 | -- | 750X133334 | -- | 750X133344 | 0821C34762-4 |
| 600:5 | 2.0 | 1.8 | 3.062 | B0.5 | -- | 750X133335 | -- | 750X133345 | 0821C34762-4 |
| 800:5 | 2.0 | 1.5 | 3.062 | B0.5 | -- | 750X133336 | -- | 750X133346 | 0821C34762-4 |
| 1000:5 | 2.0 | 1.5 | 3.062 | B0.5 | -- | 750X133550 | -- | 750X133551 | 0821C34762-10 |
| 1200:5 | 1.5 | 1.1 | 3.062 | B1.8 | -- | 750X133520 | -- | 750X133521 | 0821C34762-10 |
| 1500:5 | 1.5 | 1.1 | 3.062 | B1.8 | -- | 750X133522 | -- | 750X133523 | 0821C34762-11 |
| 2000:5 | 1.0 | 0.7 | 3.062 | B1.8 | -- | 750X133524 | -- | 750X133525 | 0821C34762-10 |
| 3000:5 | 1.0 | 0.7 | 3.062 | B1.8 | -- | 750X133526 | -- | 750X133527 | 0821B38171 |

** Available only in 5" depth, reference outline for all other depths.
 Ψ 14.5" length also available for 1000-3000:5

600 Volt Current Transformer

Model JAK-AC (High Accuracy)

Window: 3.06"



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.

WEIGHT (approximate)

Window-Type Transformer 12 lbs
 Primary Bar-Type Transformers 15 lbs
 Low Base, add 0.7 lbs
 High Base, add 1.0 lbs

DIMENSIONS

Height 7.184" w/low baseplate
 Width 5.625" w/low baseplate
 Depth 2.625", 4.20", 5.0"

REFERENCE DRAWINGS

Outline 0121C33607
 Bus Bar Assembly (400-800:5) 0821C34762-4
 Bus Bar Assembly (1000-3000:5) 1521C37743

JAK-AC Data Table

| CURRENT RATIO (Amps) Pri : Sec | CONTINUOUS THERMAL CURRENT RATING FACTOR | | MAX. BURDEN FOR 0.15 ACCURACY | ELECTRONIC BURDENS | | CATALOG NUMBER | | | |
|---------------------------------------|--|-------------|-------------------------------|--------------------|------|----------------|------------|------------|------------|
| | @ 30°C amb. | @ 55°C amb. | | E0.04 | E0.2 | NO BASE | LOW BASE | WIDE BASE | HIGH BASE |
| Window-Type, Single Ratio | | | | | | | | | |
| 400:5 | 3.0 | 2.2 | B0.1 | -- | -- | 750X133567 | 750X133575 | | |
| 500:5 | 2.0 | 1.5 | B0.2 | -- | -- | 750X133568 | 750X133576 | | 750X133XXX |
| 600:5 | 1.5 | 1.1 | B0.2 | -- | -- | 750X133569 | 750X133577 | | 750X133XXX |
| 800:5 | 1.5 | 1.1 | B0.2 | -- | -- | 750X133570 | 750X133578 | | 750X133XXX |
| 1200:5 | 1.5 | 1.1 | B0.5 | 0.15 | 0.15 | 750X133571 | 750X133579 | | 750X133XXX |
| 1500:5 | 1.5 | 1.1 | B0.5 | 0.15 | 0.15 | 750X133572 | 750X133580 | | 750X133XXX |
| 2000:5 | 1.0 | 0.7 | B0.5 | 0.15 | 0.15 | 750X133573 | 750X133581 | | 750X133XXX |
| 3000:5 | 1.0 | 0.7 | B0.5 | 0.15 | 0.15 | 750X133574 | 750X133582 | | 750X133XXX |
| Primary Bar-Type, Single Ratio | | | | | | | | | |
| 400:5 | 3.0 | 2.2 | B0.1 | -- | -- | 750X133583 | 750X133591 | 750X133XXX | 750X133XXX |
| 500:5 | 2.0 | 1.5 | B0.2 | -- | -- | 750X133584 | 750X133592 | 750X133XXX | 750X133XXX |
| 600:5 | 1.5 | 1.1 | B0.2 | -- | -- | 750X133585 | 750X133593 | 750X133XXX | 750X133XXX |
| 800:5 | 1.5 | 1.1 | B0.2 | -- | -- | 750X133586 | 750X133594 | 750X133XXX | 750X133XXX |
| 1200:5 | 1.5 | 1.1 | B0.5 | 0.15 | 0.15 | 750X133587 | 750X133595 | 750X133XXX | 750X133XXX |
| 1500:5 | 1.5 | 1.1 | B0.5 | 0.15 | 0.15 | 750X133588 | 750X133596 | 750X133XXX | 750X133XXX |
| 2000:5 | 1.0 | 0.7 | B0.5 | 0.15 | 0.15 | 750X133589 | 750X133597 | 750X133XXX | 750X133XXX |
| 3000:5 | 1.0 | 0.7 | B0.5 | 0.15 | 0.15 | 750X133590 | 750X133598 | 750X133XXX | 750X133XXX |

600 Volt Current Transformer

Model JAK-0W (Encompass)

Window: 3.06"



Brochure Available at www.GEIT.com

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.

IEEE METER ACCURACY CLASS, 60 Hz

B0.1 through B0.5 0.3, All Models

WEIGHT (approximate)

Window Type Transformer 12 lbs
 Primary Bar, add 3.0 lbs
 Low Base, add 0.7 lbs
 High Base, add 1.0 lbs
 Height 7.185" w/base
 Width 5.125" w/base 5.63"
 Depth 2.625"

REFERENCE DRAWINGS

Outline 0121C36118

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JAK-0W Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN 0.3 B0.5 | CONTINUOUS THERMAL CURRENT RATING FACTOR** | | PRIMARY BAR | CATALOG NUMBER | | |
|-----------------------------------|---|---|-------------|-------------|----------------|------------|------------|
| | | @ 30°C amb. | @ 55°C amb. | | LOW BASE | WIDE BASE | HIGH BASE |
| 500:5 | 200:2 to 2000:20 | 4.0 | 3.0 | No | 750X133629 | 750X133631 | 750X133633 |
| 500:5 | 200:2 to 2000:20 | 4.0 | 3.0 | Yes | 750X133630 | 750X133632 | 750X133634 |

** Transformer rated meters must be investigated for use at the lower current range extension.

600 Volt Current Transformer

Model JAH-0C

Window: 4.00"/ 5.75"



APPLICATION

Designed for indoor service. Suitable for operating meters, relays and control devices, on circuits not exceeding 600 V line-to-line. It may be used on higher voltage circuits with an insulated conductor.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT (approximate)

Transformers with 4.00" window 11 lbs

Transformers with 5.75" window 9.5 lbs

DIMENSIONS

Height 8.93"

Width 8.50"

Depth 2.17"

REFERENCE DRAWINGS

Outline 0121C33700

Base Assembly 0221B00185

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave.

FREQUENCY

50-60 Hz

JAH-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL-CURRENT RATING FACTOR | | WINDOW DIAMETER (inches) | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|-------------|---|--------------|-----------------------------|----------------|
| | METER CLASS | RELAY CLASS | 30°C Ambient | 55°C Ambient | | |
| 200:5 | 1.2 thru B0.2 | C 10 | 2.0 | 2.0 | 4.00 | 750X114012 |
| 250:5 | 0.6 thru B0.2 | C 10 | 2.0 | 2.0 | 4.00 | 750X114017 |
| 300:5 | 0.3 thru B0.2 | C 10 | 2.0 | 2.0 | 4.00 | 750X114013 |
| 400:5 | 0.3 thru B0.2 | C 20 | 2.0 | 2.0 | 4.00 | 750X114001 |
| 500:5 | 0.3 thru B0.5 | C 20 | 2.0 | 1.5 | 4.00 | 750X114002 |
| 600:5 | 0.3 thru B0.5 | C 20 | 2.0 | 1.5 | 4.00 | 750X114003 |
| 800:5 | 0.3 thru B1.8 | C 20 | 1.5 | 1.33 | 4.00 | 750X114004 |
| 1000:5 | 0.3 thru B1.8 | C 20 | 1.5 | 1.5 | 5.75 | 750X114005 |
| 1200:5 | 0.3 thru B1.8 | C 20 | 1.5 | 1.33 | 5.75 | 750X114006 |
| 1500:5 | 0.3 thru B1.8 | C 50 | 1.5 | 1.0 | 5.75 | 750X114007 |
| 2000:5 | 0.3 thru B1.8 | C 50 | 1.33 | 1.0 | 5.75 | 750X114008 |
| 2500:5 | 0.3 thru B1.8 | C 50 | 1.0 | 0.8 | 5.75 | 750X114009 |
| 3000:5 | 0.3 thru B1.8 | C 50 | 1.0 | 0.8 | 5.75 | 750X114010 |
| 4000:5 | 0.3 thru B1.8 | C 50 | 1.0 | 0.8 | 5.75 | 750X114011 |

600 Volt Current Transformer

Model JAS-0C

Window: 4.00"



APPLICATION

Designed for indoor service. Suitable for operating meters, relays and control devices, on circuits not exceeding 600V line-to-line. It is intended for use in switchboards and in switchgear equipment. It may be used on higher voltage circuits with an insulated conductor.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

CONTINUOUS THERMAL CURRENT RATING FACTOR

30°C Ambient..... 1.33

55°C Ambient..... 1.00

WEIGHT (approximate)

Transformer 9 lbs

DIMENSIONS

Height 5.89"

Width..... 6.23"

Depth 3.28"

REFERENCE DRAWINGS

Outline.....0121C33703

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave.

FREQUENCY

50-60 Hz

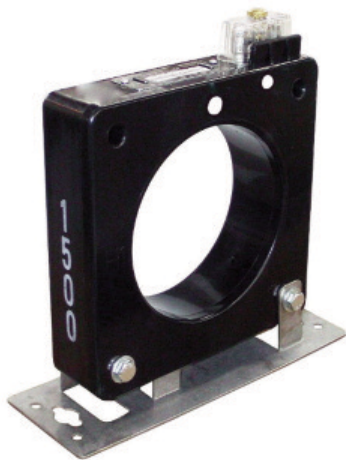
JAS-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | SECONDARY WINDING RESISTANCE (Ohms @ 75°C) | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|-------------|--|----------------|
| | METER CLASS | RELAY CLASS | | |
| 150:5 | 1.2 thru B0.2 | C 10 | 0.085 | 750X114107 |
| 200:5 | 0.6 thru B0.2 | C 15 | 0.113 | 750X114108 |
| 300:5 | 0.3 thru B0.2 | C 25 | 0.170 | 750X114109 |
| 400:5 | 0.3 thru B0.5 | C 35 | 0.227 | 750X114110 |
| 500:5 | 0.3 thru B0.5 | C 45 | 0.283 | 750X114111 |
| 600:5 | 0.3 thru B1.8 | C 50 | 0.340 | 750X114101 |
| 800:5 | 0.3 thru B1.8 | C 70 | 0.360 | 750X114102 |
| 1000:5 | 0.3 thru B1.8 | C 80 | 0.450 | 750X114103 |
| 1200:5 | 0.3 thru B1.8 | C 50 | 0.680 | 750X114104 |
| 1500:5 | 0.3 thru B1.8 | C 20 | 0.487 | 750X114105 |
| 1600:5 | 0.3 thru B1.8 | C 20 | 0.519 | 750X114112 |
| 2000:5 | 0.3 thru B1.8 | C 20 | 0.649 | 750X114106 |

600 Volt Current Transformer

Model JAD-0C

Window: 5.75"



Dimensions do not include Primary Bars

APPLICATION

Designed for both indoor and outdoor service. Suitable for operating meters, instruments and control devices. For use on higher voltage circuits with an insulated primary conductor.

WEIGHT & DIMENSIONS (approximate)

| | |
|-------------------------------------|----------------|
| Transformer, Window Type | 13 lbs |
| Transformer, Primary-Bar Type | 17 lbs |
| Mounting Base, add | 2 lbs |
| Height | 9.87" w/o base |
| Width | 8.50" w/o base |
| Depth | 2.27" w/o base |

REFERENCE DRAWINGS

| | |
|----------------------------------|---------------|
| Single Ratio Outline..... | 0121C34994 |
| Dual Ratio Outline | 0121C35099 |
| Bar Assembly 11 7/8" 1 Bar | 0821C35021-1 |
| 2 Bar | 0821C35021-2 |
| 3 Bar | 0821C35021-3 |
| 4 Bar | 0821C35021-4 |
| Bar Assembly 14 1/2" 1 Bar..... | 0821C35021-7 |
| 2 Bar | 0821C35021-8 |
| 3 Bar | 0821C35021-9 |
| 4 Bar | 0821C35021-10 |
| Base Assembly | 0221A36647 |
| Flushmount Bracket Kit | 0221A38343 |

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JAD-0C Data Table - Window Type

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | Catalog Number Without Mounting Base | Catalog Number Stainless Steel Base Assembled |
|--------------------------------|----------------------------------|------|------|------|------|--|-------------|--------------------------------------|---|
| | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | @ 30°C amb. | @ 55°C amb. | | |
| Single Ratio | | | | | | | | | |
| 200:5 | 0.6 | 1.2 | -- | -- | -- | 4.0 | 3.0 | 750X120240 | 750X120260 |
| 300:5 | 0.3 | 0.6 | 1.2 | -- | -- | 4.0 | 3.0 | 750X120241 | 750X120261 |
| 400:5 | 0.3 | 0.3 | 0.6 | -- | -- | 4.0 | 3.0 | 750X120242 | 750X120262 |
| 500:5 | 0.3 | 0.3 | 0.6 | -- | -- | 4.0 | 3.0 | 750X120243 | 750X120263 |
| 600:5 | 0.3 | 0.3 | 0.3 | -- | -- | 3.0 | 2.0 | 750X120244 | 750X120264 |
| 800:5 | 0.3 | 0.3 | 0.3 | -- | -- | 3.0 | 2.0 | 750X120001 | 750X120154 |
| 1000:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 2.0 | 1.5 | 750X120002 | 750X120155 |
| 1200:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 2.0 | 1.5 | 750X120003 | 750X120156 |
| 1500:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 3.0 | 2.0 | 750X120180 | 750X120181 |
| 2000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X120005 | 750X120158 |
| 2500:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X120006 | 750X120159 |
| 3000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X120007 | 750X120160 |
| 4000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X120008 | 750X120161 |
| Dual Ratio | | | | | | | | | |
| 600/1200:5 | 0.3 | 0.3 | -- | -- | -- | 2.0 | 1.5 | 750X120025 | 750X120162 |
| | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | | |
| 800/1600:5 | 0.3 | 0.3 | -- | -- | -- | 2.0 | 1.5 | 750X120026 | 750X120163 |
| | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | | |
| 1000/2000:5 | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 750X120027 | 750X120164 |
| | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | | |
| 1500/3000:5 | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 750X120028 | 750X120165 |
| | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | | |
| 2000/4000:5 | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 750X120029 | 750X120166 |
| | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | | |

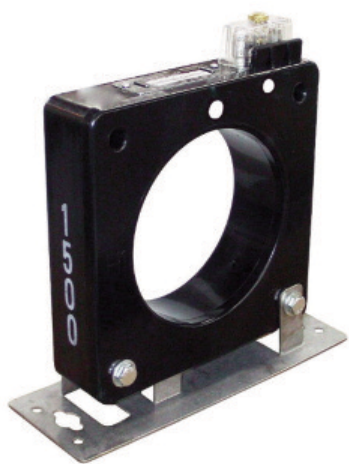
JAD-0C Data Table - Primary-Bar Type

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER WITHOUT MOUNTING BASE | | CATALOG NUMBER STAINLESS STEEL BASE ASSEMBLED | |
|--------------------------------|----------------------------------|------|------|------|------|--|-------------|--------------------------------------|-------------|---|-------------|
| | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | @ 30°C amb. | @ 55°C amb. | 11 7/8" BAR | 14 1/2" BAR | 11 7/8" BAR | 14 1/2" BAR |
| 800:5 | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 750X120201 | 750X120221 | 750X120211 | 750X120231 |
| 1000:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 2.0 | 1.5 | 750X120202 | 750X120222 | 750X120212 | 750X120232 |
| 1200:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 1.5 | 1.0 | 750X120203 | 750X120223 | 750X120213 | 750X120233 |
| 1500:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 1.5 | 1.0 | 750X120204 | 750X120224 | 750X120214 | 750X120234 |
| 2000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X120205 | 750X120225 | 750X120215 | 750X120235 |
| 3000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.33 | 1.0 | 750X120207 | 750X120227 | 750X120217 | 750X120237 |
| 4000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.2 | 0.8 | 750X120208 | 750X120228 | 750X120218 | 750X120238 |

600 Volt Current Transformer

Model JAD-AC (High Accuracy)

Window: 5.75"



Dimensions do not include Primary Bars

APPLICATION

Designed for both indoor and outdoor service. Suitable for operating meters, instruments and control devices. For use on higher voltage circuits with an insulated primary conductor.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT & DIMENSIONS

(approximate)

| | |
|-------------------------------------|----------------|
| Transformer, Window Type | 13 lbs |
| Transformer, Primary-Bar Type | 17 lbs |
| Mounting Base, add | 2 lbs |
| Height | 9.87" w/o base |
| Width..... | 8.50" w/o base |
| Depth | 2.27" w/o base |

REFERENCE DRAWINGS

| | |
|----------------------------------|---------------|
| Single Ratio Outline..... | 0121C34994 |
| Dual Ratio Outline | 0121C35099 |
| Bar Assembly 11 7/8" 1 Bar | 0821C35021-1 |
| 2 Bar | 0821C35021-2 |
| 3 Bar | 0821C35021-3 |
| 4 Bar | 0821C35021-4 |
| Bar Assembly 14 1/2" 1 Bar..... | 0821C35021-7 |
| 2 Bar | 0821C35021-8 |
| 3 Bar | 0821C35021-9 |
| 4 Bar | 0821C35021-10 |
| Base Assembly | 0221A36647 |
| Flushmount Bracket Kit | 0221A38343 |

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JAD-AC Data Table - Window Type

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | ELECTRONIC BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER WITHOUT MOUNTING BASE | CATALOG NUMBER STAINLESS STEEL BASE ASSEMBLED |
|-----------------------------------|-------------------------------------|------|------|-------------------|------|--|-------------|--------------------------------------|---|
| | B0.1 | B0.2 | B0.5 | E0.04 | E0.2 | @ 30°C amb. | @ 55°C amb. | | |
| 800:5 | 0.15 | 0.3 | 0.3 | -- | -- | 3.0 | 2.0 | 750X120700 | 750X120708 |
| 1000:5 | 0.15 | 0.15 | 0.3 | 0.15 | -- | 2.0 | 1.5 | 750X120701 | 750X120709 |
| 1200:5 | 0.15 | 0.15 | 0.3 | 0.15 | 0.15 | 2.0 | 1.5 | 750X120702 | 750X120710 |
| 1500:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 2.0 | 1.5 | 750X120703 | 750X120713 |
| 2000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 2.0 | 1.5 | 750X120704 | 750X120717 |
| 2500:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.5 | 1.0 | 750X120705 | 750X120718 |
| 3000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.5 | 1.0 | 750X120706 | 750X120719 |
| 4000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.5 | 1.0 | 750X120707 | 750X120720 |

JAD-AC Data Table - Primary-Bar Type

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | NUMBER OF PRIMARY BAR | CATALOG NUMBER WITHOUT MOUNTING BASE | | CATALOG NUMBER STAINLESS STEEL BASE ASSEMBLED | |
|-----------------------------------|-------------------------------------|------|------|-------|------|--|-------------|-----------------------|--------------------------------------|-------------|---|-------------|
| | B0.1 | B0.2 | B0.5 | E0.04 | E0.2 | @ 30°C amb. | @ 55°C amb. | | 11 7/8" BAR | 14 1/2" BAR | 11 7/8" BAR | 14 1/2" BAR |
| 800:5 | 0.15 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 1 | 750X120721 | 750X120748 | 750X120834 | 750X120841 |
| 1000:5 | 0.15 | 0.15 | 0.3 | 0.15 | -- | 2.0 | 1.5 | 1 | 750X120722 | 750X120749 | 750X120835 | 750X120842 |
| 1200:5 | 0.15 | 0.15 | 0.3 | 0.15 | 0.15 | 1.5 | 1.0 | 1 | 750X120723 | 750X120811 | 750X120836 | 750X120843 |
| 1500:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.5 | 1.0 | 1 | 750X120724 | 750X120812 | 750X120837 | 750X120844 |
| 2000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.5 | 1.0 | 2 | 750X120725 | 750X120817 | 750X120838 | 750X120845 |
| 3000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.3 | 1.0 | 3 | 750X120736 | 750X120832 | 750X120839 | 750X120846 |
| 4000:5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1.2 | 0.8 | 4 | 750X120738 | 750X120833 | 750X120840 | 750X120847 |

600 Volt Current Transformer

Model JAD-0C

Window: Cross Shaped



APPLICATION

Designed for both indoor and outdoor service. Suitable for operating meters, instruments and control devices. For use on higher voltage circuits with an insulated primary conductor.

WEIGHT & DIMENSIONS

(approximate)

| | |
|--------------------------------|----------------|
| Transformer, Window Type | 13 lbs |
| Mounting Base, add | 2 lbs |
| Height | 9.87" w/o base |
| Width | 8.50" w/o base |
| Depth | 2.27" w/o base |

REFERENCE DRAWINGS

| | |
|------------------------------|------------|
| Outline | 0121C35734 |
| Bar Assembly | 0221A36647 |
| Flushmount Bracket Kit | 0221A38343 |

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JAD-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER WITHOUT MOUNTING BASE | CATALOG NUMBER STAINLESS STEEL BASE ASSEMBLED |
|--------------------------------------|----------------------------------|------|------|------|------|--|-------------|--------------------------------------|---|
| | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | @ 30°C amb. | @ 55°C amb. | | |
| Single Ratio | | | | | | | | | |
| 800:5 | 0.3 | 0.3 | 0.3 | -- | -- | 3.0 | 2.0 | 750X120009 | 750X120663 |
| 1000:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 2.0 | 1.5 | 750X120010 | 750X120664 |
| 1200:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 2.0 | 1.5 | 750X120011 | 750X120665 |
| 1500:5 | 0.3 | 0.3 | 0.3 | 0.3 | -- | 3.0 | 2.0 | 750X120183 | 750X120666 |
| 2000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 2.0 | 1.5 | 750X120013 | 750X120667 |
| 2500:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X120014 | 750X120668 |
| 3000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X120015 | 750X120669 |
| 4000:5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | 750X120016 | 750X120670 |
| Dual Ratio | | | | | | | | | |
| 600/1200:5 | 0.3 | 0.3 | -- | -- | -- | 2.0 | 1.5 | 750X120030 | 750X120671 |
| | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | | |
| 800/1600:5 | 0.3 | 0.3 | -- | -- | -- | 2.0 | 1.5 | 750X120031 | 750X120672 |
| | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | | |
| 1000/2000:5 | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 750X120032 | 750X120673 |
| | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | | |
| 1500/3000:5 | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 750X120033 | 750X120674 |
| | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | | |
| 2000/4000:5 | 0.3 | 0.3 | 0.3 | -- | -- | 2.0 | 1.5 | 750X120034 | 750X120675 |
| | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.5 | 1.0 | | |

600 Volt Current Transformer

Model JAD-0W (Encompass)

Window: 5.75"



Brochure Available at www.GEIT.com

APPLICATION

Designed for both indoor and outdoor service. Suitable for operating meters, instruments and control devices. For use on higher voltage circuits with an insulated primary conductor.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT & DIMENSIONS

(approximate)

Transformer, Window Type 13 lbs

Transformer, Primary-Bar Type 17 lbs

Mounting Base, add 2 lbs

Height 9.87" w/o base,

Width 8.50" w/o base, 10.75" w/base

Depth 2.27" w/o base, 3.81" w/base

REFERENCE DRAWINGS

Outline 0121C33743

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JAD-0W Data Table - Window Type

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz** BURDEN 0.3 B0.5 | NUMBER OF PRIMARY BARS | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER | |
|--------------------------------------|---|------------------------------|---|-------------|--------------------------|----------------|
| | | | @ 30°C amb. | @ 55°C amb. | WITHOUT MOUNTING BASE | BASE ASSEMBLED |
| 1000:5 | 400:2 to 4000:20 | Window | 4.0 | 3.0 | 750X120609 | 750X120611 |
| 1000:5 | 400:2 to 4000:20 | 4* | 4.0 | 3.0 | 750X120610 | 750X120612 |

*Bus bars can be removed. Use one bar to 1500 amp ratio, two bars to 2000 amps, three to 3000 amps and four to 4000 amps.

** Transformer rated meters must be investigated for use at the lower current range extension.

600 Volt Current Transformer

Model JCS-0C

Window: 2.50", 4.88", 5.25"



APPLICATION

Designed for indoor service; suitable for operating meters, relays and control devices, on circuits not exceeding 600V line-to-line. It may be used on higher voltage circuits with an insulated conductor.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT (Approximate)

Transformer, Cat No. 750X11003847 lbs.
 Transformer, Cat No. 750X110039-045 34 lbs.
 Transformer, Cat No. 750X110046-07228 lbs.
 Optional base plate..... 1.5 lbs.

DIMENSIONS

Height 10.15"
 Width..... 8.38"
 Depth 4.62"

REFERENCE DRAWINGS

Outline.....0121C33697

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JCS-0C Data Table

| CURRENT RATIO ϕ (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | WINDOW DIAMETER Ψ (inches) | CATALOG NUMBER | |
|--|-------------------------------------|-------------|---|-------------|---------------------------------------|----------------|--------------|
| | METER CLASS | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | | WITH BASE | WITHOUT BASE |
| Single-Ratio | | | | | | | |
| 50:5 | 2.4 thru B0.2 | C20 | 2.0 | 2.0 | 2.50 | 750X110038 | 750X110001 |
| 100:5 | 2.4 thru B0.2 | C10 | 2.0 | 2.0 | 4.88 | 750X110039 | 750X110002 |
| 200:5 | 0.6 thru B0.2 | C20 | 2.0 | 2.0 | 4.88 | 750X110041 | 750X110004 |
| 300:5 | 0.3 thru B0.2 | C50 | 2.0 | 2.0 | 4.88 | 750X110042 | 750X110005 |
| 400:5 | 0.3 thru B0.5 | C50 | 2.0 | 2.0 | 4.88 | 750X110043 | 750X110006 |
| 600:5 | 0.3 thru B0.5 | C100 | 2.0 | 2.0 | 4.88 | 750X110045 | 750X110008 |
| 800:5 | 0.3 thru B0.9 | C100 | 2.0 | 2.0 | 5.25 | 750X110046 | 750X110009 |
| 1000:5 | 0.3 thru B0.9 | C100 | 2.0 | 2.0 | 5.25 | 750X110047 | 750X110010 |
| 1200:5 | 0.3 thru B1.8 | C200 | 2.0 | 1.5 | 5.25 | 750X110048 | 750X110011 |
| 1500:5 | 0.3 thru B1.8 | C200 | 1.5 | 1.0 | 5.25 | 750X110049 | 750X110012 |
| 1600:5 | 0.3 thru B1.8 | C200 | 1.33 | 1.0 | 5.25 | 750X110050 | 750X110013 |
| 2000:5 | 0.3 thru B1.8 | C200 | 1.0 | 0.8 | 5.25 | 750X110051 | 750X110014 |
| 2500:5 | 0.3 thru B1.8 | C200 | 1.0 | 0.8 | 5.25 | 750X110052 | 750X110015 |
| 3000:5 | 0.3 thru B1.8 | C200 | 1.0 | 0.8 | 5.25 | 750X110053 | 750X110016 |
| 4000:5 | 0.3 thru B1.8 | C100 | 1.0 | 0.8 | 5.25 | 750X110054 | 750X110017 |
| Multi-Ratio (IEEE C57.13) | | | | | | | |
| 1200:5MR | 0.3 thru B1.8 | C200 | 2.0 | 1.5 | 5.25 | 750X110069 | --- |
| 2000:5MR | 0.3 thru B1.8 | C200 | 1.0 | 0.8 | 5.25 | 750X110070 | --- |
| *2000:5 | 0.3 thru B1.8 | C200 | 1.0 | 0.8 | 5.25 | 750X110073 | --- |
| 3000:5MR | 0.3 thru B1.8 | C200 | 1.0 | 0.8 | 5.25 | 750X110071 | --- |
| 4000:5MR | 0.3 thru B1.8 | C100 | 1.0 | 0.8 | 5.25 | 750X110072 | --- |

Ψ Other window diameters are available for special applications, consult factory

ϕ Other ratios are available for special applications, consult factory

* Non-standard taps 200/400/600/800/1200/1400/1600/1800/2000:5

600 Volt Current Transformer

Model JCB-0C

Window: 7.25" to 8.125"



APPLICATION

Designed for indoor service. Suitable for operating meters, relays and control devices, on circuits not exceeding 600V line-to-line. It may be used on higher voltage circuits with an insulated conductor.

WEIGHT

Approximate with baseplate8.25 lbs

DIMENSIONS

Height 11.25"

Width..... 11.00"

Depth 6.00" Max

REFERENCE DRAWINGS

Outline.....0121C33807

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

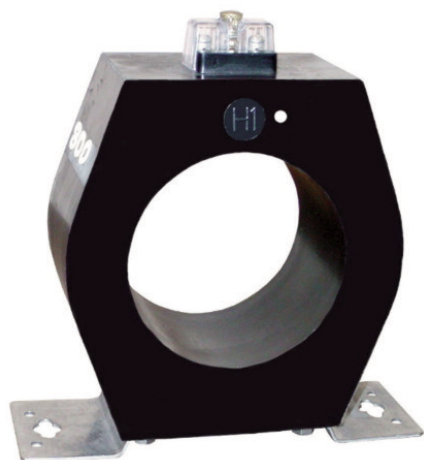
JCB-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|-------------|---|-------------|----------------|
| | METER CLASS | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | |
| Single Ratio | | | | | |
| 50:5 | 2.4 thru B0.1 | C10 | 1.5 | 1.0 | 750X211001 |
| 100:5 | 1.2 thru B0.2 | C10 | 1.5 | 1.0 | 750X211002 |
| 400:5 | 0.6 thru B0.1 | C10 | 1.5 | 1.0 | 750X211003 |
| 500:5 | 0.3 thru B0.1 | C20 | 1.5 | 1.0 | 750X211004 |
| 600:5 | 0.3 thru B0.2 | C20 | 1.5 | 1.0 | 750X211005 |
| 800:5 | 0.3 thru B0.2 | C50 | 1.5 | 1.0 | 750X211006 |
| 1000:5 | 0.3 thru B0.5 | C50 | 1.5 | 1.0 | 750X211007 |
| 1200:5 | 0.3 thru B0.5 | C50 | 1.5 | 1.0 | 750X211008 |
| 1500:5 | 0.3 thru B0.9 | C100 | 1.5 | 1.0 | 750X211009 |
| 2000:5 | 0.3 thru B1.8 | C100 | 1.5 | 1.0 | 750X211010 |
| 2500:5 | 0.3 thru B1.8 | C100 | 1.5 | 1.0 | 750X211011 |
| 3000:5 | 0.3 thru B1.8 | C100 | 1.5 | 1.0 | 750X211012 |
| 4000:5 | 0.3 thru B1.8 | C100 | 1.5 | 1.0 | 750X211014 |
| 5000:5 | 0.3 thru B1.8 | C100 | 1.33 | 1.0 | 750X211015 |
| 6000:5 | 0.3 thru B1.8 | C100 | 1.0 | 0.75 | 750X211016 |
| Multi-Ratio (IEEE C57.13) | | | | | |
| 1200:5MR | 0.3 thru B0.5 | C50 | 1.5 | 1.0 | 750X211021 |
| 2000:5MR | 0.3 thru B0.5 | C100 | 1.5 | 1.0 | 750X211022 |
| 3000:5MR | 0.3 thru B0.5 | C100 | 1.5 | 1.0 | 750X211023 |
| 4000:5MR | 0.3 thru B0.5 | C100 | 1.5 | 1.0 | 750X211024 |

600 Volt Current Transformer

Model JCP-0C

Window: 5.38"



APPLICATION

Designed for indoor and outdoor service. Suitable for operating meters, relays and control devices, on circuits not exceeding 600 V line-to-line. It may be used on higher voltage circuits with an insulated conductor.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT (Approximate)

Transformer with baseplate 28 lbs

DIMENSIONS

Height 11.06"

Width 10.75"

Depth 4.65"

REFERENCE DRAWINGS

Outline: Single Ratio 0121C34439

Outline: Dual Ratio 0121C33763

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JCP-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | RELAY CLASS | CONTINUOUS THERMAL CURRENT RATING FACTOR @ 30°C amb. | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|------|------|-------------|--|-------------------|
| | B0.1 TO B0.5 | B0.9 | B1.8 | | | |
| Single Ratio | | | | | | |
| 600:5 | 0.3 | 0.3 | 0.3 | C100 | 2.0 | 750X115002 |
| 800:5 | 0.3 | 0.3 | 0.3 | C100 | 2.0 | 750X115003 |
| 1200:5 | 0.3 | 0.3 | 0.3 | C200 | 2.0 | 750X115005 |
| 1500:5 | 0.3 | 0.3 | 0.3 | C200 | 2.0 | 750X115006 |
| 2000:5 | 0.3 | 0.3 | 0.3 | C200 | 1.5 | 750X115007 |
| 3000:5 | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 750X115009 |
| 4000:5 | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 750X115010 |
| Multi-Ratio (IEEE C57.13) | | | | | | |
| 1000/2000:5 | 0.3 | 0.6 | 0.6 | C100 | 2.0 | 750X115011 |
| | 0.3 | 0.3 | 0.3 | C200 | 1.5 | |
| 1500/3000:5 | 0.3 | 0.3 | 0.6 | C100 | 2.0 | 750X115012 |
| | 0.3 | 0.3 | 0.3 | C200 | 1.33 | |
| 2000/4000:5 | 0.3 | 0.3 | 0.6 | C100 | 1.5 | 750X115013 |
| | 0.3 | 0.3 | 0.6 | C100 | 1.5 | |

600 Volt Current Transformer

Model JCD-0C

Window: 8.13"



APPLICATION

Designed for both indoor and outdoor service. Suitable for operating meters, instruments and control devices. For use on higher voltage circuits with an insulated primary conductor.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT (Approximate)

Transformer, Window Type20 lbs
 Mounting Base, add 2 lbs

DIMENSIONS

Height 12.62"
 Width..... 11.00"
 Depth 3.00"

REFERENCE DRAWINGS

Outline.....0121C33762

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

50-60 Hz

JCD-0C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | RELAY CLASS | CONTINUOUS THERMAL CURRENT RATING FACTOR @ 30°C amb. | CATALOG NUMBER | |
|-----------------------------------|-------------------------------------|------|----------------|--|--------------------------|-----------------------------------|
| | B0.1 TO B0.9 | B1.8 | | | WITHOUT MOUNTING FEET | STAINLESS STEEL FEET ASSEMBLED |
| Single Ratio | | | | | | |
| 1500:5 | 0.3 | 0.3 | C50 | 3.0 | 750X131124 | 750X131125 |
| 2000:5 | 0.3 | 0.3 | C100 | 2.0 | 750X131007 | 750X131033 |
| 3000:5 | 0.3 | 0.3 | C100 | 2.0 | 750X131009 | 750X131035 |
| 4000:5 | 0.3 | 0.3 | C100 | 1.5 | 750X131010 | 750X131036 |
| 5000:5 | 0.3 | 0.3 | C100 | 1.0 | 750X131011 | 750X131037 |
| 6000:5 | 0.3 | 0.3 | C100 | 1.0 | 750X131012 | 750X131038 |
| 8000:5 | 0.3 | 0.3 | C100 | 1.0 | 750X131014 | 750X131040 |
| Dual Ratio | | | | | | |
| 1000/2000:5 | B0.1 to B0.5 | B1.8 | C50 | 2.0 | 750X131016 | 750X131042 |
| | | | C100 | 2.0 | | |
| 1500/3000:5 | B0.1 to B0.5 | B1.8 | C50 | 2.0 | 750X131017 | 750X131043 |
| | | | C100 | 2.0 | | |
| 2000/4000:5 | B0.1 to B0.5 | B1.8 | C50 | 2.0 | 750X131018 | 750X131044 |
| | | | C100 | 1.5 | | |
| 3000/6000:5 | B0.1 to B0.5 | B1.8 | C50 | 1.33 | 750X131019 | 750X131032 |
| | | | C100 | 1.0 | | |

600 Volt Current Transformer

Model CTM-0C Single Bar



APPLICATION

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

WEIGHT

(approximate) 7 lbs

DIMENSIONS

Height 4.78"

Width..... 9.38"

Depth 3.75"

REFERENCE DRAWINGS (Outlines)

50-400A 0121C42881

500-1200A.....0121C42882

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

60 Hz

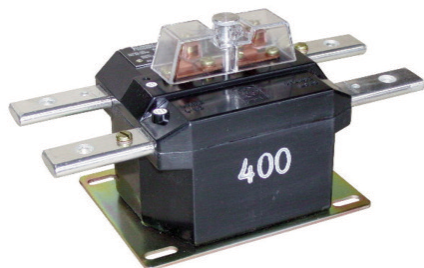
CTM-0C Single Bar Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR | APPROVAL NUMBER FROM CCAC | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|---|------------------------------|----------------|
| | B0.1 TO B0.9 | @ 30°C amb. | | |
| 5:5* | 0.3 | 1.5 | - | 430-001 |
| 10:5* | 0.3 | 1.5 | - | 430-002 |
| 15:5* | 0.3 | 1.5 | - | 430-003 |
| 20:5* | 0.3 | 1.5 | - | 430-004 |
| 25:5* | 0.3 | 1.5 | - | 430-005 |
| 30:5* | 0.3 | 1.5 | - | 430-006 |
| 40:5* | 0.3 | 1.5 | - | 430-007 |
| 50:5 | 0.3 | 1.5 | T172-1 | 430-008 |
| 60:5 | 0.3 | 1.5 | T172-1 | 430-009 |
| 75:5 | 0.3 | 1.5 | T172-1 | 430-010 |
| 100:5 | 0.3 | 1.5 | T172-1 | 430-011 |
| 150:5 | 0.3 | 1.5 | T172-1 | 430-012 |
| 200:5 | 0.3 | 1.5 | T172-1 | 430-013 |
| 250:5 | 0.3 | 1.5 | T172-1 | 430-014 |
| 300:5 | 0.3 | 1.5 | T172-1 | 430-015 |
| 400:5 | 0.3 | 1.5 | T172 | 430-016 |
| 500:5* | 0.3 | 1.5 | - | 430-017 |
| 600:5* | 0.3 | 1.5 | - | 430-018 |
| 800:5* | 0.3 | 1.5 | - | 430-019 |
| 1000:5* | 0.3 | 1.2 | - | 430-020 |
| 1200:5* | 0.3 | 1.0 | - | 430-021 |

* For these models please contact factory for availability and approval number from CCAC for revenue metering application.

600 Volt Current Transformer

Model CTM-0C Double Bar



3 Wire Double Bar

APPLICATION

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

WEIGHT

(approximate) 9 lbs

DIMENSIONS

Height 4.56"

Width 9.37"

Depth 4.62"

REFERENCE DRAWINGS (Outlines)

50-400A 0121C42883

500-1200A 0121C42884

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

60 Hz

CTM-0C Double Bar Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR | APPROVAL NUMBER FROM CCAC | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|---|------------------------------|----------------|
| | B0.1 TO B0.2 | @ 30°C amb. | | |
| 50/50:5 | 0.3 | 1.5 | T-156 | 440-001 |
| 100/100:5 | 0.3 | 1.5 | T-156 | 440-002 |
| 150/150:5 | 0.3 | 1.5 | T-156 | 440-003 |
| 200/200:5 | 0.3 | 1.5 | T-156 | 440-004 |
| 300/300:5 | 0.3 | 1.5 | T-156 | 440-005 |
| 400/400:5 | 0.3 | 1.5 | T-156 | 440-006 |
| 500/500:5 | 0.3 | 1.5 | T-286 | 440-007 |
| 600/600:5 | 0.3 | 1.5 | T-286 | 440-008 |
| 800/800:5 | 0.3 | 1.5 | T-286 | 440-009 |
| 1000/1000:5* | 0.3 | 1.2 | - | 440-010 |
| 1200/1200:5* | 0.3 | 1.0 | - | 440-011 |

* For these models please contact factory for availability and approval number from CCAC for revenue metering application.

600 Volt Current Transformer

Model JAR-0C Auxiliary CT



APPLICATION

Designed for indoor service; for connection in the second-ary circuit of a main current transformer to change the effective ratio seen by meters and relays. It's accuracy is suitable for use with totalizing meters and relays. It is designed for use on circuits not exceeding 600V to ground.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT (approximate)

Transformer 10 lbs

DIMENSIONS

Height 5.44"

Width 5.29"

Depth 5.29"

REFERENCE DRAWINGS

Outline.....0121C33696

INSULATION LEVEL

Because it is used in the secondary circuit of another trans-former, it has no voltage rating. These transformers receive a 60 Hz, 2.5 kV high potential factory test between each winding and between the windings and ground.

FREQUENCY

50-60 Hz

JAR-0C Data Table

| CONTINUOUS THERMAL CURRENT RATING FACTOR 1.5 @ 30°C AMBIENT, 1.1 @ 55°C AMBIENT | | | | | |
|---|---|----------------|--|--|----------------|
| IEEE METER ACCURACY CLASSIFICATION, 60 Hz ALL MODELS 0.3 AT B0.1 AND B0.2 | | | | | |
| CURRENT RATIO (in Amps) Pri:Sec ϕ | INTERNAL BURDEN (SHORT-CIRCUIT IMPEDANCE) VA AT RATED CURRENT | CATALOG NUMBER | CURRENT RATIO (in Amps) Pri:Sec ϕ | INTERNAL BURDEN (SHORT -CIRCUIT IMPEDANCE) VA AT RATED CURRENT | CATALOG NUMBER |
| 5:0.100 | 6.0 | 750X101126 | 5:6.250 | ψ | 750X101369 |
| 5:0.200 | 5.7 | 750X101120 | 5:7.500 | 7.3 | 750X101010 |
| 5:0.250 | 6.8 | 750X101118 | 5:8.000 | 7.7 | 750X101009 |
| 5:0.500 | 7.0 | 750X101106 | 5:10.000 | 8.5 | 750X101003 |
| 5:0.625 | 7.2 | 750X101101 | 5:12.500 | 8.9 | 750X101002 |
| 5:1.000 | 7.8 | 750X101088 | 5:15.000 | 10.7 | 750X101001 |
| 5:1.250 | 7.8 | 750X101082 | 1.000:5 | 6.8 | 750X101029 |
| 5:1.667 | 7.8 | 750X101067 | 1.667:5 | 9.0 | 750X101026 |
| 5:2.000 | 7.8 | 750X101060 | 2.500:5 | 8.2 | 750X101024 |
| 5:2.395 | 7.8 | 750X101056 | 2.875:5 | 7.0 | 750X101330 |
| 5:2.500 | 7.3 | 750X101054 | 7.500:5 | 9.1 | 750X101019 |
| 5:2.890 | 7.1 | 750X101051 | 10.000:5 | 8.5 | 750X101015 |
| 5:3.000 | 7.8 | 750X101049 | 0.500:1 | ψ | 750X101308 |
| 5:3.330 | 7.5 | 750X101042 | 0.923:1 | ψ | 750X101335 |
| 5:3.750 | 8.0 | 750X101038 | 4.000:10 | 8.3 | 750X101004 |
| 5:4.000 | 8.5 | 750X101036 | 5&5:5 * | 8.2 | 750X101133 |
| 5:5.000 | 8.5 | 750X101020 | 5&5&5&5:5 * | 8.2 | 750X101131 |
| 5:5.330 | 8.5 | 750X101309 | 5&5&5&5&5 * | 8.2 | 750X101129 |

ψ Refer to factory

ϕ Common ratios are listed in the data table; other ratios are available, consult factory.

* Up to six secondary currents can be totalized. Equal or unequal line current transformers can be summed with these transformers. Consult factory with the ratios of the line current transformers to be totalized.

600 Volt Current Transformer

Model 200WP



APPLICATION

Designed for indoor service; for connection in the secondary circuit of a main current transformer to change the effective ratio seen by meters and relays. It's accuracy is suitable for use with totalizing meters and relays. It is designed for use on circuits not exceeding 600V to ground.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

WEIGHT (approximate)

Transformer 46 lbs

DIMENSIONS

Height 9.71"

Width 8.38"

Depth 4.62"

INSULATION LEVEL

Because it is used in the secondary circuit of another trans-former, it has no voltage rating. These transformers receive a 60 Hz, 2.5 kV high potential factory test between each winding and between the windings and ground.

FREQUENCY

50-400 Hz

200WP Data Table

| CATALOG NUMBER | VA ±1% CLASS | RELAY CLASS | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | |
|----------------|--------------|-------------|----------------------------------|------|------|------|------|
| | | | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 |
| 200WP-1-XXX | 150 | C100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 |
| 200WP-2-XXX | 500 | C200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |

| | | | | | | | | | | | |
|---------------|-----|-------|-----|-------|------|------|------|------|------|------|------|
| Ratio | 1:5 | 2.5:5 | 5:5 | 7.5:5 | 10:5 | 15:5 | 20:5 | 25:5 | 30:5 | 40:5 | 50:5 |
| Suffix | 001 | 0025 | 005 | 0075 | 010 | 015 | 020 | 025 | 030 | 040 | 050 |
| | | | | | | | | | * | * | * |

* 1/4-20 Stud terminals

600 Volt Voltage Transformer

Model PTM-0C



APPLICATION

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

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 200 VA

WEIGHT (Approximate)

Unfused 12.5 lbs

DIMENSIONS

Height 4.44"

Width 4.38"

Depth 4.75"

REFERENCE DRAWINGS

Outline 0122C02910

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

60 Hz

PTM-0C Data Table

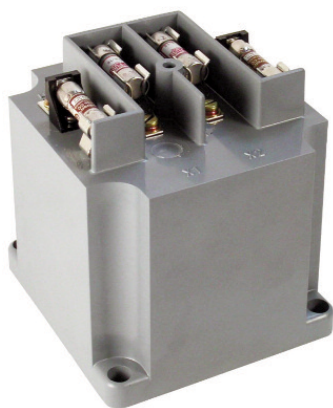
| TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | APPROVAL NUMBER FROM CCAC | CATALOG NUMBER |
|--------------------|-------|----------------------------------|-----|---------------------------|----------------|
| PRIMARY VOLTAGE | RATIO | W | X | | |
| 120 | 1:1 | 0.3 | 0.6 | T-148-2 | 420-001 |
| 240 | 2:1 | 0.3 | 0.6 | T-148-2 | 420-002 |
| 300 | 2.5:1 | 0.3 | 0.6 | T-148-2 | 420-003 |
| 360 | 3:1 | 0.3 | 0.6 | T-148 | 420-004 |
| 480 | 4:1 | 0.3 | 0.6 | T-148-1 | 420-005 |
| 600 | 5:1 | 0.3 | 0.6 | T-148 | 420-006 |

* For these models please contact factory for availability and approval number from CCAC for revenue metering application.

600 Volt Voltage Transformer

Model JE-27C

Fused & Unfused



Cover for fused style



Unfused style

APPLICATION

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

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 150 VA
 30°C Rise above 55°C Ambient 100 VA

WEIGHT

(Approximate) 7.8 lbs

DIMENSIONS

Height 3.64" unfused, 4.75" w/o cover, 4.88" w/cover
 Width 4.44" unfused, 4.32" fused
 Depth 4.75" unfused, 4.32" fused

REFERENCE DRAWINGS

Outline 0122C33698

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

60 Hz

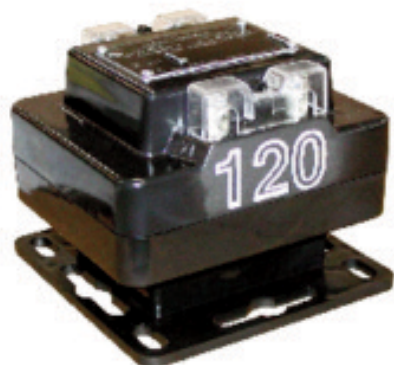
JE-27C Data Table

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER | | | RECOM PRIMARY FUSE RATIN |
|------------------------------|--|---------------------|---------|----------------------------------|----------------------------------|----------------|--------------------|-----------------------------|--------------------------|
| | | PRIMARY VOLTAGE (1) | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | NOT FUSED | PRIMARY FUSES ONLY | PRIMARY AND SECONDARY FUSES | Amps |
| 120 | Y only | 69.3 | 0.578:1 | 0.6W/1.2X | 2.4 X | 760X190001 | 760X190021 | 760X190041 | 5.0 |
| 120/208 | Δ or Y/Y only | 120 | 1:1 | 0.6W/1.2X | 2.4 X | 760X190002 | 760X190022 | 760X190042 | 4.0 |
| 120/208 | Δ or Y/Y only | 120 | 1.732:1 | 0.6W/1.2X | 2.4 X | 760X190003 | 760X190023 | 760X190043 | 2.0 |
| 208 | Δ or Y | 207.8 | 1.732:1 | 0.6W/1.2X | 2.4 X | 760X190004 | 760X190024 | 760X190044 | 2.0 |
| 240/416 | Δ or Y/Y only | 240 | 2:1 | 0.6W/1.2X | 2.4 X | 760X190005 | 760X190025 | 760X190045 | 2.0 |
| 480 | Y only | 288 | 2.4:1 | 0.6W/1.2X | 2.4 X | 760X190007 | 760X190027 | 760X190047 | 1.5 |
| 480 | Y only | 300 | 2.5:1 | 0.6W/1.2X | 2.4 X | 760X190008 | 760X190028 | 760X190048 | 1.5 |
| 480/832 | Δ or Y/Yonly | 480Ψ | 4:1 | 0.6W/1.2X | 2.4 X | 760X190009 | 760X190029 | 760X190049 | 1.0 |
| 600/1040 | Δ or Y/Yonly | 600Ψ | 5:1 | 0.6W/1.2X | 2.4 X | 760X190010 | 760X190030 | 760X190050 | 0.75 |

Notes: For continuous operation, the transformer rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating; except those marked y, which must not exceed 110% rated voltage.

600 Volt Voltage Transformer

Model JVA-0C



APPLICATION

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

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 500 VA
 30°C Rise above 55°C Ambient 300 VA

WEIGHT (Approximate)

Unfused 12.5 lbs

DIMENSIONS

Height 4.85"
 Width 6.14"
 Depth 6.00"

REFERENCE DRAWINGS

Outline 0122C34133

FREQUENCY

50/60 Hz

JVA-0C Data Table

| CIRCUIT LINE TO LINE VOLTAGE PERMISSIBLE | | | TRANSFORMER RATING ⁽³⁾ | | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | CATALOG NUMBER | RECOMMENDED PRIMARY FUSE RATING |
|--|------------------|------------------|-----------------------------------|-------|----------------------------------|-----|-----------------------|-----|----------------|---------------------------------|
| Δ ⁽¹⁾ | Y ⁽²⁾ | Y ⁽⁴⁾ | PRIMARY VOLTAGE | RATIO | BURDEN ⁽¹⁾ | | BURDEN ⁽²⁾ | | | Amps |
| | | | | | W,X,M | Y | W | X | | |
| 120 | 120 | 208 | 120 | 1:1 | 0.3 | 0.6 | 0.3 | 0.6 | 760X134001 | 10.0 |
| 240 | 240 | 416 | 240 | 2:1 | 0.3 | 0.6 | 0.3 | 0.6 | 760X134002 | 6.0 |
| --- | --- | 480 | 288 | 2.4:1 | 0.3 | 0.6 | --- | --- | 760X134004 | 6.0 |
| --- | --- | 480 | 300 | 2.5:1 | 0.3 | 0.6 | --- | --- | 760X134005 | 6.0 |
| 480 | 480 | --- | 480 | 4:1 | 0.3 | 0.6 | 0.3 | 0.6 | 760X134006 | 3.0 |
| 600 | 600 | --- | 600 | 5:1 | 0.3 | 0.6 | 0.3 | 0.6 | 760X134007 | 3.0 |

- (1) Operated at rated voltage; secondary at 120 V.
- (2) Operated at 58% of rated voltage; secondary at 69.3 V.
- (3) For continuous operation, the transformer rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating.
- (4) For Y connections, it is preferred practice to connect one lead from each voltage transformer directly to the grounded neutral, using a fuse only in the line side of the primary. By this connection a transformer can never be "alive" from the line side by reason of a blown fuse on the grounded side.

* Comes standard with molded base Contact factory for stainless steel base option.

600 Volt Voltage Transformer

Model JEV-0C Fused



Clear Plastic Cover

APPLICATION

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

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 300 VA

30°C Rise above 55°C Ambient 200 VA

WEIGHT

(Approximate) 12.5 lbs

DIMENSIONS

Height 6.33" w/o cover, 6.50" w/cover

Width 4.75"

Depth 4.38"

REFERENCE DRAWINGS

Outline 0122C33699

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

60 Hz

JEV-0C Data Table

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER | | | RECOM PRIMARY FUSE RATING |
|------------------------------|--|---------------------|---------|----------------------------------|----------------------------------|----------------|--------------------|-----------------------------|---------------------------|
| | | PRIMARY VOLTAGE (1) | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | NOT FUSED | PRIMARY FUSES ONLY | PRIMARY AND SECONDARY FUSES | Amps |
| 120 | Y only | 69.3 | 0.578:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235001 | 760X235021 | 760X235041 | 10.0 |
| 120/208 | Δ or Y / Y only | 120 | 1:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235002 | 760X235022 | 760X235042 | 6.0 |
| 208 | Δ or Y | 207.8 | 1.732:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235003 | 760X235023 | 760X235043 | 4.0 |
| 240/416 | Δ or Y / Y only | 240 | 2:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235004 | 760X235024 | 760X235044 | 4.0 |
| 480 | Y only | 288 | 2.4:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235005 | 760X235025 | 760X235045 | 3.0 |
| 480 | Y only | 300 | 2.5:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235006 | 760X235026 | 760X235046 | 3.0 |
| 480/832 | Δ or Y / Y only | 480Ψ | 4:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235008 | 760X235028 | 760X235048 | 2.0 |
| 600/1040 | Δ or Y / Y only | 600Ψ | 5:1 | 0.3W, 0.6X, 1.2M | 0.6W, 1.2X | 760X235009 | 760X235029 | 760X235049 | 1.5 |

Notes: For continuous operation, the transforme rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating; except those marked Ψ, which must not exceed 110% rated voltage.

600 Volt Voltage Transformer

Model JVM-0C Fused & Unfused



Unfused Version



1 Fuse Version



2 Fuse Version

APPLICATION

Designed for indoor service; suitable for operating meters, instruments, relays and control devices. Unfused models are suitable for outdoor service.

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 750 VA
 30°C Rise above 55°C Ambient 500 VA

WEIGHT

(Approximate) 25 lbs

DIMENSIONS

Height 6.12" unfused
 7.38" fused w/o cover
 7.50" fused w cover
 Width 6.00"
 Depth 6.54"

REFERENCE DRAWINGS

Outline 0122C33702

INSULATION LEVEL

0.6 kV; BIL 10 kV full wave

FREQUENCY

60 Hz

JVM-0C Data Table

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER | | | RECOM PRIMARY FUSE RATING |
|------------------------------|--|---------------------|---------|----------------------------------|----------------------------------|----------------|--------------------|-----------------------------|---------------------------|
| | | PRIMARY VOLTAGE (1) | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | NOT FUSED | PRIMARY FUSES ONLY | PRIMARY AND SECONDARY FUSES | Amps |
| 120 | Y only | 69.3 | 0.578:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133001 | 760X133021 | 760X133041 | 15.0 |
| 120/208 | Δ or Y/ Y only | 120 | 1:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133002 | 760X133022 | 760X133042 | 10.0 |
| 120/208 | Δ or Y/ Y only | 120 | 1.732:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133003 | 760X133023 | 760X133043 | 10.0 |
| 208 | Δ or Y | 207.8 | 1.732:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133004 | 760X133024 | 760X133044 | 8.0 |
| 240/416 | Δ or Y/ Y only | 240 | 2:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133005 | 760X133025 | 760X133045 | 8.0 |
| 480 | Y only | 288 | 2.4:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133006 | 760X133026 | 760X133046 | 6.0 |
| 480 | Y only | 300 | 2.5:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133007 | 760X133027 | 760X133047 | 6.0 |
| 480/832 | Δ or Y/ Y only | 480Ψ | 4:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133008 | 760X133028 | 760X133048 | 4.0 |
| 600/1040 | Δ or Y/ Y only | 600Ψ | 5:1 | 0.3W, 0.6X,M&Y | 0.6W, 1.2M | 760X133009 | 760X133029 | 760X133049 | 3.0 |

Notes:

(1) For continuous operation, the transformer's rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating; except those marked Ψ, which must not exceed 110% rated voltage.

Split Core CT

Models 606 & 608 Split Core



REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13. Classified by U.L. in accordance with IEC 44-1

APPLICATION

For energy management systems and instrumentation.

FREQUENCY:

50-400 Hz

INSULATION LEVEL:

0.6 kV, BIL 10 kV full wave.

CONTINUOUS THERMAL CURRENT RATING FACTOR:

Model 606:

1.33 at 30°C. amb., 1.0 at 55°C. amb.

Model 608-501 thru 608-202:

1.33 at 30°C. amb., 1.0 at 55°C. amb.

Model 608-252 thru 608-322:

1.0 at 30°C. amb., 0.7 at 55°C. amb.

WEIGHT

Model 606 (Approximate) 4.5 lbs

Model 608 (Approximate) 7.5 lbs

Secondary Cable: Two No. 16 AWG 6 feet long, Direct Burial, U.V. Res. U.L. Type TC.

Model 606

| CATALOG NUMBER | CURRENT RATIO | BURDEN VA | ACCURACY AT 60 Hz |
|----------------|---------------|-----------|-------------------|
| 606-201 | 200:5 | 2.5 | 2 % |
| 606-251 | 250:5 | 3.0 | 1 % |
| 606-301 | 300:5 | 3.5 | 1 % |
| 606-351 | 350:5 | 4.0 | 1 % |
| 606-401 | 400:5 | 5.0 | 1 % |
| 606-501 | 500:5 | 6.0 | 1 % |
| 606-601 | 600:5 | 8.0 | 1 % |
| 606-751 | 750:5 | 10.0 | 1 % |
| 606-801 | 800:5 | 12.0 | 1 % |
| 606-102 | 1000:5 | 15.0 | 1 % |
| 606-122 | 1200:5 | 20.0 | 1 % |

Model 608

| CATALOG NUMBER | CURRENT RATIO | BURDEN VA | ACCURACY AT 60 Hz |
|----------------|---------------|-----------|-------------------|
| 608-501 | 500:5 | 6.0 | 1 % |
| 608-601 | 600:5 | 8.0 | 1 % |
| 608-801 | 800:5 | 12.0 | 1 % |
| 608-102 | 1000:5 | 13.0 | 1 % |
| 608-122 | 1200:5 | 16.0 | 1 % |
| 608-152 | 1500:5 | 25.0 | 1 % |
| 608-162 | 1600:5 | 27.0 | 1 % |
| 606-202 | 2000:5 | 33.0 | 1 % |
| 608-252 | 2500:5 | 42.0 | 1 % |
| 608-302 | 3000:5 | 50.0 | 1 % |
| 608-322 | 3200:5 | 54.0 | 1 % |

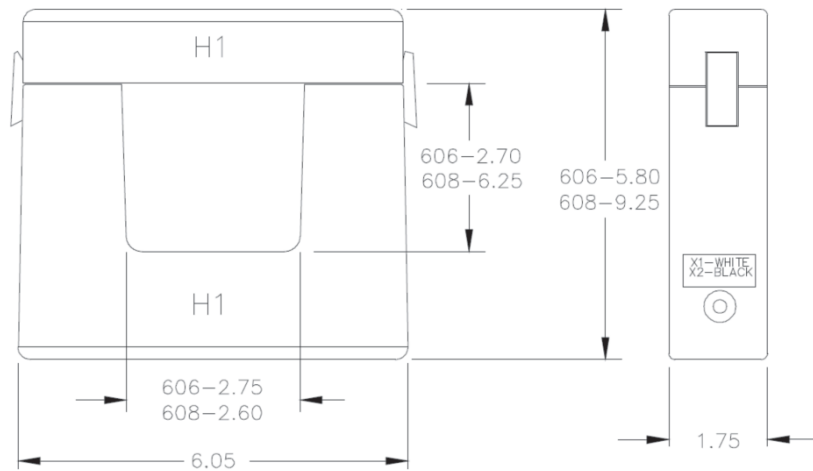
These current transformers are a weather proof design suitable for use outdoor or in direct burial applications. The transformer cases are UV stabilized thermoplastic and filled with polyurethane resin. The mating surfaces of the transformer core are protected by a rubber "O" ring.

These transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

Caution:

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.



Bushing-Type CT'S (BCT)

Type B07 Cast Resin



Brochure Available at www.GEITI.com

APPLICATION

Type B07- Current Transformers are for use over outdoor bushings of Power Transformers, Bulk Oil Circuit Breakers and other Dead-Tank Circuit Breakers.

The B07 bushing type mounts externally over the apparatus bushing on the cover of the apparatus. These transformers are used primarily for relaying but may also be used for metering where rating allows.

FEATURES

Conforms to IEEE Std., C57.13 or IEC, 60044-1.

Weather proof glass polyester outdoor terminal box

Conduit connections - Two 1" threaded hubs for horizontal take-off and a 1" IPS knockout in the bottom

Stainless steel or aluminum, nameplate

Broad range of sizes and ratios

Weather resistant

High mechanical impact and dielectric strength

Completely encapsulated in polyurethane

Easily installed

Clearly identified secondary terminals

Mounting clamps included

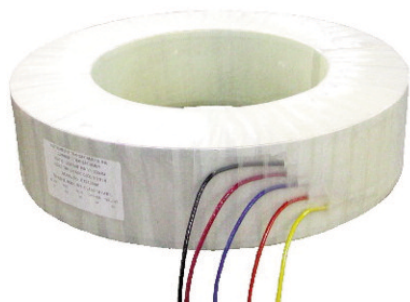
B07 Standard Current Transformers Selection Guide

| CATALOG NUMBER | RATIO | RELAYING ACCURACY | INSIDE Dia. | OUTSIDE Dia. | HEIGHT MAX. | APPROX. WEIGHT |
|----------------|----------|-------------------|-------------|--------------|-------------|----------------|
| B07-601-12 | 600:5MR | C400 | 12.00 | 24.75 | 4.50 | 245 lbs. |
| B07-601-18 | 600:5MR | C400 | 18.00 | 31.00 | 4.50 | 340 lbs. |
| B07-601-20 | 600:5MR | C400 | 20.00 | 33.00 | 4.25 | 355 lbs. |
| B07-601-22 | 600:5MR | C400 | 22.00 | 35.00 | 4.25 | 385lbs. |
| B07-601-26 | 600:5MR | C400 | 26.00 | 39.00 | 4.25 | 425 lbs. |
| B07-601-28 | 600:5MR | C400 | 28.00 | 40.75 | 4.25 | 450 lbs. |
| B07-601-32 | 600:5MR | C400 | 32.00 | 43.50 | 5.00 | 475 lbs. |
| B07-122-12 | 1200:5MR | C800 | 12.00 | 24.75 | 4.50 | 233 lbs. |
| B07-122-18 | 1200:5MR | C800 | 18.00 | 30.75 | 4.50 | 307 lbs. |
| B07-122-20 | 1200:5MR | C800 | 20.00 | 32.75 | 4.50 | 331 lbs. |
| B07-122-22 | 1200:5MR | C800 | 22.00 | 34.75 | 4.50 | 356 lbs. |
| B07-122-26 | 1200:5MR | C800 | 26.00 | 38.75 | 4.50 | 406 lbs. |
| B07-122-28 | 1200:5MR | C800 | 28.00 | 40.75 | 4.50 | 429 lbs. |
| B07-122-32 | 1200:5MR | C800 | 32.00 | 43.50 | 4.75 | 460 lbs. |
| B07-202-12 | 2000:5MR | C800 | 12.00 | 24.75 | 3.75 | 200 lbs. |
| B07-202-18 | 2000:5MR | C800 | 18.00 | 30.75 | 3.75 | 240 lbs. |
| B07-202-20 | 2000:5MR | C800 | 20.00 | 32.75 | 3.75 | 255 lbs. |
| B07-202-22 | 2000:5MR | C800 | 22.00 | 31.00 | 3.75 | 275 lbs. |
| B07-202-26 | 2000:5MR | C800 | 26.00 | 38.75 | 3.75 | 315 lbs. |
| B07-202-28 | 2000:5MR | C800 | 28.00 | 40.75 | 3.75 | 325 lbs. |
| B07-202-32 | 2000:5MR | C800 | 32.00 | 43.50 | 3.75 | 355 lbs. |
| B07-302-12 | 3000:5MR | C800 | 12.00 | 24.75 | 3.75 | 144 lbs. |
| B07-302-18 | 3000:5MR | C800 | 18.00 | 30.75 | 3.75 | 189 lbs. |
| B07-302-20 | 3000:5MR | C800 | 20.00 | 32.75 | 3.75 | 202 lbs. |
| B07-302-22 | 3000:5MR | C800 | 22.00 | 34.75 | 3.75 | 215 lbs. |
| B07-302-26 | 3000:5MR | C800 | 26.00 | 38.75 | 3.75 | 243 lbs. |
| B07-302-28 | 3000:5MR | C800 | 28.00 | 40.75 | 3.75 | 257 lbs. |
| B07-302-32 | 3000:5MR | C800 | 32.00 | 43.50 | 3.75 | 268 lbs. |

* Consult Factory for Other Sizes & Ratings
 ** All Dimensions Are + 0.25 Tolerance.

Bushing-Type CT'S (BCT)

Custom Taped Design



Mylar Tape Construction Shown

These designs are per customer specification.

Consult factory for quotation

Provide: Inside Diameter (Min)

Outside Diameter (Max)

Height (Max)

Accuracy Requirements

Frequency

Specify oil or non oil application

Application

May be used in oil, above oil, under cans, or indoor applications

Tape Wrapped BCTS

600 V Class, 10 kV BIL, 60 Hz

Oil = Taped & varnish construction

Non Oil = Mylar construction

Features

Economical design for custom-fit to purchaser's size and electrical rating requirements

For use around apparatus bushings indoor, or internally mounted applications in transformer oil, or above the oil, inside of circuit breakers or power transformers. Design manufactured for custom-fit applications in current transformer pocket areas inside of electrical equipment.

Ratios may be supplied as single-ratios, dual-ratio, or multi-ratio per standard IEEE taps. (Non-standard taps also available)

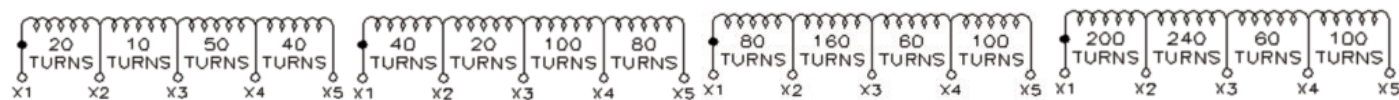
Nameplate affixed to unit, with pertinent information and polarity marking

Conforms to IEEE Standard C57.13

Typical excitation data available upon request

Lead wire length per customer specification

B07 Standard Multi-Ratio Taps



Nominal Ratio - 600:5

Nominal Ratio - 1200:5

Nominal Ratio - 2000:5

Nominal Ratio - 3000:5

| RATIO | SECONDARY TAPS | Ratio | SECONDARY TAPS | RATIO | SECONDARY TAPS | RATIO | SECONDARY TAPS |
|-------|----------------|--------|----------------|--------|----------------|--------|----------------|
| 600:5 | X1-X5 | 1200:5 | X1-X5 | 2000:5 | X1-X5 | 3000:5 | X1-X5 |
| 500:5 | X2-X5 | 1000:5 | X2-X5 | 1600:5 | X2-X5 | 2500:5 | X1-X4 |
| 450:5 | X3-X5 | 900:5 | X3-X5 | 1500:5 | X1-X4 | 2200:5 | X1-X3 |
| 400:5 | X1-X4 | 800:5 | X1-X4 | 1200:5 | X1-X3 | 2000:5 | X2-X5 |
| 300:5 | X2-X4 | 600:5 | X2-X4 | 1100:5 | X2-X4 | 1500:5 | X2-X4 |
| 250:5 | X3-X4 | 500:5 | X3-X4 | 800:5 | X2-X3 | 1200:5 | X2-X3 |
| 200:5 | X4-X5 | 400:5 | X4-X5 | 500:5 | X4-X5 | 1000:5 | X1-X2 |
| 150:5 | X1-X3 | 300:5 | X1-X3 | 400:5 | X1-X2 | 800:5 | X3-X5 |
| 100:5 | X1-X2 | 200:5 | X1-X2 | 300:5 | X3-X4 | 500:5 | X4-X5 |
| 50:5 | X2-X3 | 100:5 | X2-X3 | | | 300:5 | X3-X4 |

* Non-Standard Ansi Taps are Also Available

Medium Voltage Instrument Transformers 5-69 kV

GE Vernova MV Insulations:

POLYURETHANE - Ideal for Indoor applications, 600 V - 35 kV

HCEP - Hydrophobic Cycloaliphatic Epoxy - Ideal for outdoor applications, 15 kV.

HY-BUTE-60 – Over 50 year's of dependable service. Ideal for outdoor applications from 5-69 kV. Available in Accubute™, offering improved accuracy and extended range performance.

SUPER-BUTE® - Premium outdoor product, combining the best of epoxy and HY-BUTE insulations to create the highest flexibility, quality and performance for 25 - 69 kV. Ideal for substations, with better characteristics than oil-filled options including:

- Less Maintenance
- Compact Size
- Low Weight
- Mounting Flexibility
- Improved Safety
- High Reliability
- High Over-current Capability
- Higher Thermal Ratings

ITI Disclaimer

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Visit www.geiti.com to view product information and learn more about our diverse MV offerings.

Available Accubute® and Super-Accubute® Instrument Transformers*

| VOLTAGE TRANSFORMERS | | | | | | CURRENT TRANSFORMERS | | | | | |
|----------------------|----------|--------|----------|----------|-----------|----------------------|----------|--------|----------|----------|----------|
| INDOOR | | | OUTDOOR | | | INDOOR | | | OUTDOOR | | |
| BIL (kV) | NSV (kV) | Model | BIL (kV) | NSV (kV) | MODEL | BIL (kV) | NSV (kV) | MODEL | BIL (kV) | NSV (kV) | MODEL |
| 75 | 7.2 | JVM-4A | 75 | 7.2 | JVW-4A | 60 | 5 | JCM-3A | 60 | 5 | JCW-3A |
| 110 | 14.4 | JVM-5A | 110 | 14.4 | JVW-5A | 60 | 5 | JKM-3A | 60 | 5 | JKW-3A |
| 125 | 24 | JVM-6A | 125 | 24 | JVW-6A | 60 | 5 | JCB-3A | 60 | 5 | JCD-3A |
| | | | 150 | 34.5 | JVW-7A | 75 | 8.7 | JKM-4A | 75 | 8.7 | JKW-4A |
| | | | 150 | 24 | JVT / JVS | 75 | 8.7 | JCM-4A | 75 | 8.7 | JCW-4A |
| | | | 200 | 34.5 | JVT / JVS | 75 | 8.7 | JCB-4A | 75 | 8.7 | JCD-4A |
| | | | 250 | 46 | JVT / JVS | 110 | 15 | JKM-5A | 110 | 15 | JKW-5A |
| | | | 350 | 69 | JVT / JVS | 110 | 15 | JCM-5A | 110 | 15 | JCW-5A |
| | | | | | | 110 | 15 | JCB-5A | 110 | 15 | JCD-5A |
| | | | | | | | | | 150 | 25 | JKW-6A |
| | | | | | | | | | 150 | 24 | JKW-150A |
| | | | | | | | | | 200 | 34.5 | JKW-200A |
| | | | | | | | | | 250 | 46 | JKW-250A |
| | | | | | | | | | 350 | 69 | JKW-350A |

Since its introduction in 1991, GE Vernova's Accubute portfolio has expanded to include all voltage and BIL classes shown. Many versions of GE Vernova's 24 –69 kV substation Super-Bute®line are offered as high accuracy Super-Accubute®transformers. Additional models and voltage classes may be available with Accubute technology upon request.



An industry leader in high accuracy since 1991.

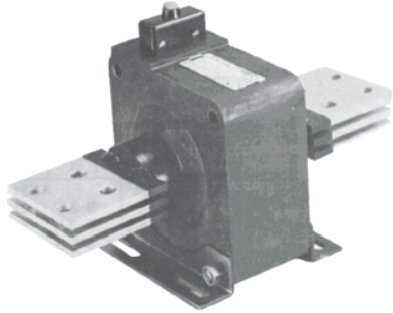


High accuracy in a dry-type substation transformer since 1994.

Medium Voltage Current Transformers

Model JCM-2

2.5 kV, 45 kV BIL, 1200-4000 A



APPLICATION

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

WEIGHT (Approximate, in pounds)

Transformer, without base 37

DIMENSIONS

Height 8.75"

Width 7.00"

Length 14.50"

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JCM-2 DATA TABLE

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS, 60 Hz | | CONTINUOUS THERMAL CURRENT RATING FACTOR | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|-------------|---|----------------|
| | IEEE ACCURACY CLASS 60 Hz BURDEN | RELAY CLASS | | |
| | B0.1 TO B2.0 | | @ 30°C Amb. | |
| Single Ratio | | | | |
| 400:5 | 0.3 | C200 | 1.33 | 752X020001 |
| 500:5 | 0.3 | C200 | 1.33 | 752X020002 |
| 600:5 | 0.3 | C200 | 1.33 | 752X020003 |
| 800:5 | 0.3 | C200 | 1.33 | 752X020004 |
| 1000:5 | 0.3 | C200 | 1.33 | 752X020005 |
| 1200:5 | 0.3 | C200 | 1.33 | 752X020006 |
| 1500:5 | 0.3 | C200 | 1.33 | 752X020007 |
| 2000:5 | 0.3 | C200 | 1.33 | 752X020008 |
| 3000:5 | 0.3 | C200 | 1.33 | 752X020010 |
| 4000:5 | 0.3 | C200 | 1.0 | 752X020011 |

Medium Voltage Current Transformers

Model JKC-3

5 kV, 60 kV BIL, 10-1200 A



APPLICATION

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

WEIGHT (Approximate, in pounds)

Transformer, without base 16

DIMENSIONS

Height 6.625"

Width.....5.813"

Length.....13.00"

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKC-3 DATA TABLE

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | MECH. LIMIT Amps 1.285 | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|-------------|---|-------------|---------------------------|--------------------------------------|-------------------|
| | METER CLASS | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | | | |
| | B0.1 TO B0.5 | | Single Ratio | | | | |
| 10:5 | 0.3 | T50 | 1.5 | 1.0 | 1285 | 700 | 753X002001 |
| 15:5 | 0.3 | T50 | 1.5 | 1.0 | 1260 | 1050 | 753X002002 |
| 20:5 | 0.3 | T50 | 1.5 | 1.0 | 2780 | 1400 | 753X002003 |
| 25:5 | 0.3 | T50 | 1.5 | 1.0 | 3700 | 1750 | 753X002004 |
| 30:5 | 0.3 | T50 | 1.5 | 1.0 | 4040 | 2100 | 753X002005 |
| 40:5 | 0.3 | T50 | 1.5 | 1.0 | 5340 | 2800 | 753X002006 |
| 50:5 | 0.3 | T50 | 1.5 | 1.0 | 5310 | 3500 | 753X002007 |
| 75:5 | 0.3 | T50 | 1.5 | 1.0 | 8950 | 5250 | 753X002008 |
| 100:5 | 0.3 | T50 | 1.5 | 1.0 | 11900 | 7000 | 753X002009 |
| 150:5 | 0.3 | T50 | 1.5 | 1.0 | 18350 | 12000 | 753X002010 |
| 200:5 | 0.3 | T50 | 1.5 | 1.0 | 24400 | 14000 | 753X002011 |
| 300:5 | 0.3 | T50 | 1.5 | 1.0 | 36700 | 22500 | 753X002012 |
| 400:5 | 0.3 | T50 | 1.5 | 1.0 | 49300 | 26400 | 753X002013 |
| 600:5 | 0.3 | T50 | 1.5 | 1.0 | 104000 | 56400 | 753X002014 |
| 800:5 | 0.3 | T50 | 1.5 | 1.0 | 104000 | 52800 | 753X002015 |
| 1200:5 | 0.3 | T50 | 1.0 | 0.75 | 108000 | 56400 | 753X002017 |

Medium Voltage Current Transformers

Model JKS-3

5 kV, 60 kV BIL, 15-800 A



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 - Net (approximate, in pounds)

| | |
|------------------------|----|
| Single-Secondary | 30 |
| Dual-Secondary | 62 |
| Tapped-Secondary | 30 |

DIMENSIONS

| | |
|--------------|--------|
| Height | 7.625" |
| Width..... | 5.50" |
| Length..... | 15.00" |

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKS-3 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | MECH. LIMIT Amps | ONE SECOND THERMAL LIMIT, Amps | | CATALOG NUMBER |
|--------------------------------|----------------------------------|------|------|-------------|--|-------------|------------------|--------------------------------|------------------------------|----------------|
| | METER CLASS | | | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | | WITH SECONDARY SHORT-CIRCUITED | WITH BURDEN B-0.2 OR GREATER | |
| | B0.1 | B0.5 | B2.0 | | | | | | | |
| Single Ratio | | | | | | | | | | |
| 15:5 | 0.6 | 1.2 | --- | T10 | 1.5 | 1.0 | 12500 | 1700 | 6400 | 753X001001 |
| 20:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.0 | 12500 | 2000 | 6400 | 753X001002 |
| 25:5 | 0.6 | 1.2 | --- | T10 | 1.5 | 1.0 | 22000 | 2500 | 12800 | 753X001003 |
| 30:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.0 | 22000 | 3000 | 12800 | 753X001004 |
| 40:5 | 0.3 | 0.6 | --- | T20 | 1.5 | 1.0 | 22000 | 4000 | 12800 | 753X001005 |
| 50:5 | 0.6 | 1.2 | --- | T10 | 1.5 | 1.0 | 44000 | 5000 | 25200 | 753X001006 |
| 75:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.0 | 59000 | 7500 | 35300 | 753X001007 |
| 100:5 | 0.3 | 0.6 | --- | T20 | 1.5 | 1.0 | 59000 | 10000 | 35300 | 753X001008 |
| 150:5 | 0.3 | 0.3 | --- | T50 | 1.5 | 1.0 | 66000 | 15000 | 35300 | 753X001009 |
| 200:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 66000 | 20000 | 35300 | 753X001010 |
| 300:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 77000 | 30000 | 35300 | 753X001012 |
| 400:5 | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 77000 | 35300 | 35300 | 753X001013 |
| 600:5 | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 108000 | 50400 | 50400 | 753X001015 |
| 800:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 280000 | 59200 | 59200 | 753X001016 |

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | MECH. LIMIT Amps | ONE SECOND THERMAL LIMIT, Amps | | CATALOG NUMBER |
|--------------------------------|----------------------------------|------|------|-------------|--|-------------|------------------|--------------------------------|------------------------------|----------------|
| | METER CLASS | | | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | | WITH SECONDARY SHORT-CIRCUITED | WITH BURDEN B-0.2 OR GREATER | |
| | B0.1 | B0.5 | B2.0 | | | | | | | |
| Dual-Secondary | | | | | | | | | | |
| 15:5 //5 | 0.6 | 1.2 | --- | T10 | 1.5 | 1.1 | 12500 | 1700 | 6400 | 753X001024 |
| 20:5 //5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 12500 | 2000 | 6400 | 753X001025 |
| 25:5 //5 | 0.6 | 1.2 | --- | T10 | 1.5 | 1.1 | 22000 | 2500 | 12800 | 753X001026 |
| 30:5 //5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 22000 | 3000 | 12800 | 753X001027 |
| 40:5 //5 | 0.3 | 0.6 | --- | T20 | 1.5 | 1.1 | 22000 | 4000 | 12800 | 753X001028 |
| 50:5 //5 | 0.6 | 1.2 | --- | T10 | 1.5 | 1.1 | 44000 | 5000 | 25200 | 753X001029 |
| 75:5 //5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 59000 | 7500 | 35300 | 753X001030 |
| 100:5 //5 | 0.3 | 0.6 | --- | T20 | 1.5 | 1.1 | 59000 | 10000 | 35300 | 753X001031 |
| 150:5 //5 | 0.3 | 0.6 | --- | T50 | 1.5 | 1.1 | 66000 | 15000 | 35300 | 753X001032 |
| 200:5 //5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 66000 | 20000 | 35300 | 753X001033 |
| 300:5 //5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 77000 | 30000 | 35300 | 753X001035 |
| 400:5 //5 | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.1 | 77000 | 35300 | 35300 | 753X001036 |
| 600:5 //5 | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.1 | 108000 | 50400 | 50400 | 753X001038 |
| 800:5 //5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 280000 | 59200 | 59200 | 753X001039 |
| Tapped-Secondary | | | | | | | | | | |
| 50/100:5 | 1.2 | 2.4 | --- | T10 | 1.5 | 1.1 | 44000 | Refer to Factory for Values | | 753X001017 |
| | 0.3 | 0.6 | --- | T20 | 1.5 | 1.1 | 44000 | | | |
| 75/150:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 59000 | | | 753X001018 |
| | 0.3 | 0.6 | --- | T50 | 1.5 | 1.1 | 59000 | | | |
| 100/200:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 59000 | | | 753X001019 |
| | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 59000 | | | |
| 150/300:5 | 0.3 | 0.6 | 2.4 | T20 | 1.5 | 1.1 | 66000 | | | 753X001020 |
| | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 66000 | | | |
| 200/400:5 | 0.3 | 0.6 | 2.4 | T50 | 1.5 | 1.1 | 66000 | | | 753X001021 |
| | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.1 | 66000 | | | |
| 300/600:5 | 0.3 | 0.6 | 2.4 | T50 | 1.5 | 1.1 | 77000 | | | 753X001022 |
| | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.1 | 77000 | | | |
| 400/800:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 77000 | | | 753X001023 |
| | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 77000 | | | |

Medium Voltage Current Transformers

Model JKM-3C

5 kV, 60 kV BIL, 5-800 A



APPLICATION

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

WEIGHT

(Approximate).....30 lbs

DIMENSIONS

Height 8.00" unfused

Width.....15.00"

Depth 5.50"

REFERENCE DRAWINGS

Outline.....0163C34456

INSULATION LEVEL

5 kV; BIL 60 kV full wave

INSULATION

Polyurethane

FREQUENCY

50-60 Hz

*** Higher current ratios available. Contact factory for more information**

*** Also available in premium Hy-Bute-60**

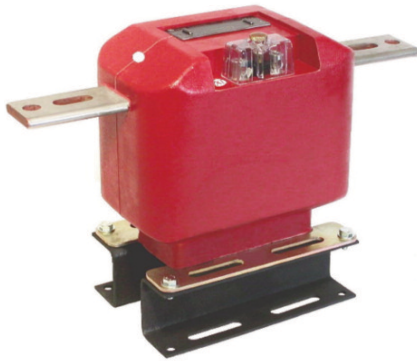
JKM-3C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | PRIMARY BAR SIZE | | ONE SECOND THERMAL LIMIT, Amps | MECH. LIMIT Amps | CATALOG NUMBER |
|--------------------------------|----------------------------------|-------------|-------------|--|-------------|------------------|------------|--------------------------------|------------------|----------------|
| | METER CLASS | | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | WIDTH ins. | THICK ins. | | | |
| | B0.1 TO B0.5 | B0.9 to 1.8 | | | | | | | | |
| Single Ratio | | | | | | | | | | |
| 5:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 465 | 550 | 753X140023 |
| 10:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 930 | 1100 | 753X140024 |
| 15:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 1470 | 1650 | 753X140025 |
| 20:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 1850 | 2200 | 753X140026 |
| 25:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 2300 | 2750 | 753X140027 |
| 30:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 2450 | 3300 | 753X140028 |
| 40:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 3700 | 4400 | 753X140029 |
| 50:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 4600 | 5500 | 753X140030 |
| 75:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 6400 | 8250 | 753X140032 |
| 100:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 8600 | 11000 | 753X140033 |
| 150:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 12800 | 16500 | 753X140035 |
| 200:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.25 | 17300 | 22000 | 753X140036 |
| 300:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.25 | 25700 | 33000 | 753X140038 |
| 400:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.25 | 36000 | 44000 | 753X140039 |
| 500:5 | 0.3 | 0.3 | T100 | 1.33 | 1.0 | 2.00 | 0.38 | 43100 | 47000 | 753X140040 |
| 600:5 | 0.3 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.38 | 51500 | 66000 | 753X140041 |
| 800:5 | 0.3 | 0.3 | T100 | 1.33 | 1.0 | 2.00 | 0.38 | 63300 | 70500 | 753X140042 |
| Tapped Secondary | | | | | | | | | | |
| 50/100:5 | 0.3 | --- | T50 | 2.0 | 1.5 | 1.50 | 0.188 | 4300 | 11000 | 753X140016 |
| | 0.3 | 0.3 | T100 | 1.5 | 1.0 | | | 8600 | | |
| 75/150:5 | 0.3 | --- | T50 | 2.0 | 1.5 | 1.50 | 0.188 | 6400 | 16500 | 753X140017 |
| | 0.3 | 0.3 | T100 | 1.5 | 1.0 | | | 12800 | | |
| 100/200:5 | 0.3 | --- | T50 | 2.0 | 1.5 | 2.00 | 0.25 | 8650 | 22000 | 753X140018 |
| | 0.3 | 0.3 | T100 | 1.5 | 1.0 | | | 17300 | | |
| 150/300:5 | 0.3 | --- | T50 | 2.0 | 1.5 | 2.00 | 0.25 | 13750 | 33000 | 753X140019 |
| | 0.3 | 0.3 | T100 | 1.5 | 1.0 | | | 27500 | | |
| 200/400:5 | 0.3 | --- | T50 | 2.0 | 1.5 | 2.00 | 0.25 | 18000 | 44000 | 753X140020 |
| | 0.3 | 0.3 | T100 | 1.5 | 1.0 | | | 36000 | | |
| 300/600:5 | 0.3 | --- | T50 | 2.0 | 1.5 | 2.00 | 0.38 | 25750 | 66000 | 753X140021 |
| | 0.3 | 0.3 | T100 | 1.5 | 1.0 | | | 51500 | | |
| 400/800:5 | 0.3 | --- | T50 | 2.0 | 1.5 | 2.00 | 0.38 | 31650 | 70500 | 753X140022 |
| | 0.3 | 0.3 | T100 | 1.33 | 1.0 | | | 63300 | | |

Medium Voltage Current Transformers

Model JKM-4C

8.7 kV, 75 kV BIL, 5-800 A



APPLICATION

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

WEIGHT

(Approximate).....42 lbs

DIMENSIONS

Height 10.25"

Width..... 16.00"

Depth 5.20"

REFERENCE DRAWINGS

Outline..... 0163C34461

INSULATION LEVEL

8.7 kV; BIL 75 kV full wave

INSULATION

Polyurethane

FREQUENCY

50-60 Hz

*** Higher current ratios available. Contact factory for more information**

*** Also available in premium Hy-Bute-60**

JKM-4C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | RELAY CLASS | CONTINUOUS THERMAL CURRENT RATING FACTOR | | PRIMARY BAR SIZE | | ONE SECOND THERMAL LIMIT, Amps | MECH. LIMIT Amps | CATALOG NUMBER | |
|--------------------------------------|-------------------------------------|----------------|--|----------------|---------------------|---------------|--|------------------------|---------------------|------------------------|
| | B0.1 TO B1.8 | | @ 30°C amb. | @ 55°C amb. | WIDTH ins. | THICK ins. | | | TRANSFORMER ONLY | WITH BASE EXTENSION |
| 5:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 465 | 550 | 754X140001 | 754X140019 |
| 10:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 930 | 1100 | 754X140002 | 754X140020 |
| 15:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 1470 | 1650 | 754X140003 | 754X140021 |
| 20:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 1850 | 2200 | 754X140004 | 754X140022 |
| 25:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 2300 | 2750 | 754X140005 | 754X140023 |
| 30:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 2450 | 3300 | 754X140006 | 754X140024 |
| 40:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 3700 | 4400 | 754X140007 | 754X140025 |
| 50:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 4600 | 5500 | 754X140008 | 754X140026 |
| 75:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 6400 | 8250 | 754X140009 | 754X140027 |
| 100:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 8600 | 11000 | 754X140010 | 754X140028 |
| 150:5 | 0.3 | T100 | 1.5 | 1.0 | 1.50 | 0.188 | 12800 | 16500 | 754X140011 | 754X140029 |
| 200:5 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.25 | 17300 | 22000 | 754X140012 | 754X140030 |
| 300:5 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.25 | 25700 | 33000 | 754X140014 | 754X140032 |
| 400:5 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.25 | 36000 | 44000 | 754X140015 | 754X140033 |
| 500:5 | 0.3 | T100 | 1.33 | 1.0 | 2.00 | 0.38 | 43100 | 47000 | 754X140016 | 754X140034 |
| 600:5 | 0.3 | T100 | 1.5 | 1.0 | 2.00 | 0.38 | 51500 | 66000 | 754X140017 | 754X140035 |
| 800:5 | 0.3 | T100 | 1.33 | 1.0 | 2.00 | 0.38 | 63300 | 70500 | 754X140018 | 754X140036 |

Medium Voltage Current Transformers

Model JKS-5

15 kV, 95 kV BIL, 15-800 A



JKS-5 transformer, single ratio

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 - Net (approximate, in pounds)

| | |
|------------------------|-----|
| Single-Secondary | 50 |
| Dual-Secondary | 102 |
| Tapped-Secondary | 50 |

Dimensions

| | |
|--------------|---------|
| Height | 10.125" |
| Width..... | 6.00" |
| Length..... | 21.625" |

Insulation

Hy-Bute-60

Frequency

50-60 Hz

JKS-5 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | ONE SECOND THERMAL LIMIT, Amps | | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|------|------|----------------|---|-------------|-----------------------------------|------------------------------------|-------------------|
| | METER CLASS | | | | @ 30°C amb. | @ 55°C amb. | WITH SECONDARY SHORT-CIRCUITED | WITH BURDEN B-0.2 OR GREATER | |
| | B0.1 | B0.5 | B2.0 | RELAY CLASS | | | | | |
| Single Ratio | | | | | | | | | |
| 15:5 | --- | --- | --- | T10 | 1.5 | 1.0 | 13000 | 13000 | 755X001001 |
| 20:5 | 1.2 | --- | --- | T10 | 1.5 | 1.0 | 13000 | 13000 | 755X001002 |
| 25:5 | 1.2 | 1.2 | --- | T10 | 1.5 | 1.0 | 10000 | 13000 | 755X001003 |
| 30:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.0 | 6000 | 13000 | 755X001004 |
| 40:5 | 1.2 | --- | --- | T10 | 1.5 | 1.0 | 25200 | 25200 | 755X001005 |
| 50:5 | 0.6 | --- | --- | T10 | 1.5 | 1.0 | 15000 | 25200 | 755X001006 |
| 75:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.0 | 15000 | 33500 | 755X001007 |
| 100:5 | 0.3 | 0.6 | --- | T20 | 1.5 | 1.0 | 10000 | 33500 | 755X001008 |
| 150:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 21000 | 33500 | 755X001010 |
| 200:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 26000 | 44000 | 755X001011 |
| 300:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 35000 | 44000 | 755X001013 |
| 400:5 | 0.3 | 0.3 | 0.3 | T200 | 1.5 | 1.0 | 44000 | 44000 | 755X001014 |
| 600:5 | 0.3 | 0.3 | 0.3 | T200 | 1.5 | 1.0 | 55000 | 55000 | 755X001016 |
| 800:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 59000 | 59000 | 755X001017 |

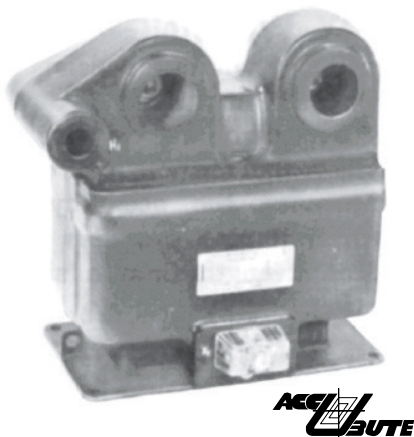
JKS-5 Data Table (cont'd)

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | ONE SECOND THERMAL LIMIT, Amps | | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|------|------|----------------|---|-------------|---|------------------------------------|-------------------|
| | METER CLASS | | | | @ 30°C amb. | @ 55°C amb. | WITH SECONDARY SHORT-CIRCUITED | WITH BURDEN B-0.2 OR GREATER | |
| | B0.1 | B0.5 | B2.0 | RELAY CLASS | | | | | |
| Dual-Secondary | | | | | | | | | |
| 15:5 //5 | --- | --- | --- | T10 | 1.5 | 1.1 | 13000 | 13000 | 755X001025 |
| 20:5 //5 | 1.2 | --- | --- | T10 | 1.5 | 1.1 | 13000 | 13000 | 755X001026 |
| 25:5 //5 | 1.2 | 1.2 | --- | T10 | 1.5 | 1.1 | 10000 | 13000 | 755X001027 |
| 30:5 //5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 6000 | 13000 | 755X001028 |
| 40:5 //5 | 1.2 | --- | --- | T10 | 1.5 | 1.1 | 25200 | 25200 | 755X001029 |
| 50:5 //5 | 0.6 | --- | --- | T10 | 1.5 | 1.1 | 15000 | 25200 | 755X001030 |
| 75:5 //5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | 15000 | 33500 | 755X001031 |
| 100:5 //5 | 0.3 | 0.6 | --- | T20 | 1.5 | 1.1 | 10000 | 33500 | 755X001032 |
| 150:5 //5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 21000 | 33500 | 755X001033 |
| 200:5 //5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 26000 | 44000 | 755X001034 |
| 300:5 //5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 35000 | 44000 | 755X001035 |
| 400:5 //5 | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.1 | 44000 | 44000 | 755X001036 |
| 600:5 //5 | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.1 | 55000 | 55000 | 755X001037 |
| 800:5 //5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | 59000 | 59000 | 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 | | | |
| 75/150:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | | | 755X001019 |
| | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | | | |
| 100/200:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | | | 755X001020 |
| | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | | | |
| 150/300:5 | 0.3 | 0.6 | 2.4 | T20 | 1.5 | 1.1 | | | 755X001021 |
| | 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 | | | 755X001022 |
| | 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 | | | 755X001023 |
| | 0.3 | 0.3 | 0.3 | T100 | 1.5 | 1.1 | | | |
| 400/800:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.1 | | | 755X001024 |
| | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.1 | | | |

Medium Voltage Current Transformers

Model JKM-95

15 kV, 95 kV BIL, 5-200 A



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

Weight - Net

(approximate, in pounds)

Transformer56

DIMENSIONS

Height11.31"

Width.....7.69"

Length.....11.94"

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKM-95 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR | | MECH. LIMIT Amps 1.285 | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|-----------------------------------|--|---|-------------------|---------------------------|--------------------------------------|-------------------|
| | METER CLASS | @ 30°C amb. | @ 55°C amb. | | | |
| | B0.1 TO B0.5 | | | | | |
| Single Ratio | | | | | | |
| 5:5 | 0.3 | 3.0 | 2.0 | 1850 | 925 | 755X044001 |
| 10:5 | 0.3 | 3.0 | 2.0 | 3700 | 1850 | 755X044002 |
| 15:5 | 0.3 | 3.0 | 2.0 | 5550 | 2775 | 755X044003 |
| 20:5 | 0.3 | 3.0 | 2.0 | 7400 | 3700 | 755X044004 |
| 25:5 | 0.3 | 3.0 | 2.0 | 9250 | 4625 | 755X044005 |
| 30:5 | 0.3 | 3.0 | 2.0 | 11100 | 5550 | 755X044006 |
| 50:5 | 0.3 | 3.0 | 2.0 | 12500 | 9250 | 755X044007 |
| 75:5 | 0.3 | 2.5 ¹ | 2.0 | 18750 | 13875 | 755X044008 |
| 100:5 | 0.3 | 2.0 ¹ | 2.0 | 25000 | 18500 | 755X044009 |
| 150:5 | 0.3 | 1.33 ¹ | 1.33 ¹ | 37500 | 27750 | 755X044010 |
| 200:5 | 0.3 | 1.0 ¹ | 1.0 ¹ | 50000 | 37000 | 755X044011 |

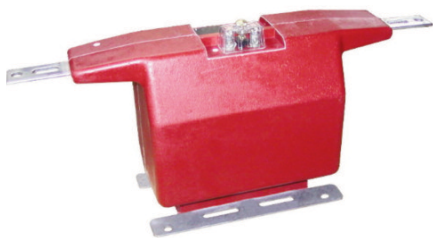
Note

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

Medium Voltage Current Transformers

Model JKM-5C

15 kV, 110 kV BIL, 5-800 A



JKM-5C



JKM-5

* Also available in premium Hy-Bute-60.
Contact factory for part numbers.



APPLICATION

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

WEIGHT

(Approximate).....53 lbs

DIMENSIONS

Height10.78"

Width.....23.00"

Depth 6.38"

REFERENCE DRAWINGS

Outline..... 0162C34108

INSULATION LEVEL

15.5 kV; BIL 110 kV full wave

INSULATION

Polyurethane

FREQUENCY

50-60 Hz

* Higher current ratios available. Contact factory for more information

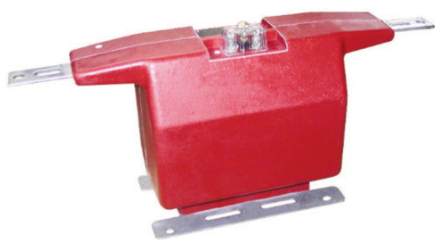
JKM-5C Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | PRIMARY BAR SIZE | | MECH. LIMIT Amps | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|--------------------------------|----------------------------------|-------------|-------------|--|-------------|------------------|------------|------------------|--------------------------------|----------------|
| | METER CLASS | | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | WIDTH ins. | THICK ins. | | | |
| | B0.1 TO B0.5 | B0.9 TO 1.8 | | | | | | | | |
| Single Ratio | | | | | | | | | | |
| 5:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 625 | 465 | 755X142001 |
| 10:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 1250 | 930 | 755X142002 |
| 15:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 1875 | 1470 | 755X142003 |
| 20:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 2500 | 1850 | 755X142004 |
| 25:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 3125 | 2300 | 755X142005 |
| 30:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 3750 | 2460 | 755X142006 |
| 40:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 5000 | 3720 | 755X142007 |
| 50:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 6250 | 4600 | 755X142008 |
| 75:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 9375 | 6375 | 755X142009 |
| 100:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 12500 | 8600 | 755X142010 |
| 150:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 1.50 | 0.188 | 18750 | 12750 | 755X142011 |
| 200:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 2.00 | 0.25 | 25000 | 17200 | 755X142012 |
| 300:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 2.00 | 0.25 | 37500 | 25800 | 755X142014 |
| 400:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 2.00 | 0.25 | 50000 | 36000 | 755X142015 |
| 500:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 2.00 | 0.38 | 53500 | 42000 | 755X142016 |
| 600:5 | 0.3 | 0.3 | T200 | 1.5 | 1.33 | 2.00 | 0.38 | 75000 | 51600 | 755X142017 |
| 800:5 | 0.3 | 0.3 | T200 | 1.2 | 0.85 | 2.00 | 0.38 | 80000 | 63200 | 755X142018 |
| Tapped Secondary | | | | | | | | | | |
| 50/100:5 | 0.3 | --- | T100 | 2.0 | 1.5 | 1.50 | 0.188 | 12500 | 4300 | 755X142039 |
| | 0.3 | 0.3 | T200 | 1.5 | 1.0 | | | | 8600 | |
| 75/150:5 | 0.3 | --- | T100 | 2.0 | 1.5 | 1.50 | 0.188 | 18750 | 6375 | 755X142040 |
| | 0.3 | 0.3 | T200 | 1.5 | 1.0 | | | | 12750 | |
| 100/200:5 | 0.3 | --- | T100 | 2.0 | 1.5 | 2.00 | 0.25 | 25000 | 8600 | 755X142041 |
| | 0.3 | 0.3 | T200 | 1.5 | 1.0 | | | | 17200 | |
| 150/300:5 | 0.3 | --- | T100 | 2.0 | 1.5 | 2.00 | 0.25 | 37500 | 12900 | 755X142042 |
| | 0.3 | 0.3 | T200 | 1.5 | 1.0 | | | | 25800 | |
| 200/400:5 | 0.3 | --- | T100 | 2.0 | 1.5 | 2.00 | 0.25 | 50000 | 18000 | 755X142043 |
| | 0.3 | 0.3 | T200 | 1.5 | 1.0 | | | | 36000 | |
| 300/600:5 | 0.3 | --- | T100 | 2.0 | 1.5 | 2.00 | 0.38 | 75000 | 25800 | 755X142044 |
| | 0.3 | 0.3 | T200 | 1.5 | 1.0 | | | | 51600 | |
| 400/800:5 | 0.3 | --- | T100 | 2.0 | 1.5 | 2.00 | 0.38 | 80000 | 31600 | 755X142045 |
| | 0.3 | 0.3 | T200 | 1.2 | 0.85 | | | | 63200 | |

Medium Voltage Current Transformers

Model JKM-5AC (High Accuracy)

15 kV, 110 kV BIL, 5-600 A



JKM-5AC



JKM-5A



* Also available in premium Hy-Bute-60. Contact factory for part numbers.

APPLICATION

Designed for indoor service; Suitable for operating meters, instruments and control devices. The JKM-5AC features 0.15 accuracy from 5% of nameplate amps through rating factor amps when applied within its burden capability.

WEIGHT

(Approximate).....53 lbs

DIMENSIONS

Height10.78"

Width.....23.00"

Depth6.38"

REFERENCE DRAWINGS

Outline.....0163C35151

INSULATION LEVEL

15.5 kV; BIL 110 kV full wave.

INSULATION

Polyurethane

FREQUENCY

50-60 Hz

JKM-5AC Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | PRIMARY BAR SIZE | | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|--------------------------------|----------------------------------|-------------|-------------|--|-------------|------------------|------------|--------------------------------|----------------|
| | B0.1 TO B0.5 | B0.9 TO 1.8 | RELAY CLASS | @ 30°C amb. | @ 55°C amb. | WIDTH ins. | THICK ins. | | |
| Single Ratio | | | | | | | | | |
| 5:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 465 | 755X145001 |
| 10:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 930 | 755X145002 |
| 15:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 1470 | 755X145003 |
| 20:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 1860 | 755X145004 |
| 25:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 2300 | 755X145005 |
| 30:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 2460 | 755X145006 |
| 40:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 3720 | 755X145007 |
| 50:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 4600 | 755X145008 |
| 75:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 6375 | 755X145009 |
| 100:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 8600 | 755X145010 |
| 150:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 1.50 | 0.188 | 12750 | 755X145011 |
| 200:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 2.00 | 0.25 | 17200 | 755X145012 |
| 300:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 2.00 | 0.25 | 25800 | 755X145014 |
| 400:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 2.00 | 0.25 | 36000 | 755X145015 |
| 600:5 | 0.15 | 0.3 | T200 | 1.5 | 1.00 | 2.00 | 0.38 | 51600 | 755X145017 |

Medium Voltage Current Transformers

Model JCM-3/-4/-5

5 to 15 kV, 60 to 110 kV BIL, 600-4000 A



JCM-3 -4,



APPLICATION

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

Weight - Net

(approximate, in pounds)

| | |
|---|-----|
| Transformer, without base; JCM-3 and JCM-4..... | 72 |
| Transformer, without base; JCM-5..... | 109 |

DIMENSIONS

| | |
|--------------|------------------------|
| JCM-3 -4 -5 | |
| Height | 11.94", 11.94", 11.94" |
| Width..... | 9.50", 9.50", 9.50" |
| Length..... | 15.00", 16.00", 27.00" |



JCM-5



INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

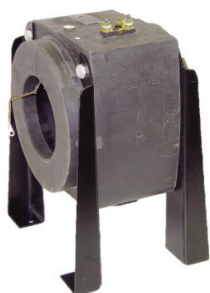
JCM-3/ JCM-4/ JCM-5 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR | | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER | | |
|--------------------------------|----------------------------------|------|-------------|--|-------------|--------------------------------|-------------------------|-------------------------|---------------------------|
| | METER CLASS | | | @ 30°C amb. | @ 55°C amb. | | JCM-3 5,000 V BIL 60 kV | JCM-4 8,700 V BIL 75 kV | JCM-5 15,000 V BIL 110 kV |
| | B0.1 THRU B1.0 | B2.0 | RELAY CLASS | | | | | | |
| 1200:5 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 55000 | 753X020003 | 754X020003 | 755X020003 |
| 1500:5 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 69000 | 753X020004 | 754X020004 | 755X020004 |
| 2000:5 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 148000 | 753X020005 | 754X020005 | 755X020005 |
| 3000:5 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 279000 | 753X020007 | 754X020007 | 755X020007 |
| 4000:5 | 0.3 | 0.3 | C200 | 1.0 | 0.75 | 459000 | 753X020008 | 754X020008 | 755X020008 |
| 600/1200:5 | 0.3 | 0.6 | C100 | 2.0 | 1.5 | 55000 | 753X020009 | 754X020009 | 755X020009 |
| | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 55000 | | | |
| 750/1500:5 | 0.3 | 0.6 | C100 | 2.0 | 1.5 | 69000 | 753X020010 | 754X020010 | 755X020010 |
| | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 69000 | | | |
| 1000/2000:5 | 0.3 | 0.6 | C100 | 2.0 | 1.5 | 148000 | 753X0200011 | 754X020011 | 755X020011 |
| | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 148000 | | | |
| 1500/3000:5 | 0.3 | 0.3 | C100 | 2.0 | 1.5 | 279000 | 753X020012 | 754X020012 | 755X020012 |
| | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 279000 | | | |
| 2000/4000:5 | 0.3 | 0.3 | C100 | 2.0 | 1.0 | 456000 | 753X020013 | 754X020013 | 755X020013 |
| | 0.3 | 0.3 | C200 | 1.0 | 0.75 | 456000 | | | |

Medium Voltage Current Transformers

Model JCB-3/-4/-5

5.56" Window 5 to 15 kV, 60 to 110 kV BIL, 600-4000 A



JCB-3 -4,



JCB-5



APPLICATION

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

Weight - Net

(approximate, in pounds)

| | |
|--|-----|
| Transformer, without base; JCB-3, JCB-4..... | 85 |
| Transformer without base; JCB-5 | 110 |

DIMENSIONS

| | |
|--------------|------------------------|
| JCB-3 -4 -5 | |
| Height | 17.31", 17.31", 17.31" |
| Width..... | 12.50", 12.00", 12.50" |
| Length..... | 10.00", 9.00", 18.00" |

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JCB-3/ JCB-4/ JCB-5 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | RELAY CLASS | CONTINUOUS THERMAL CURRENT RATING FACTOR | | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER | | |
|--------------------------------|----------------------------------|-----------|------|------|-------------|--|-------------|--------------------------------|-------------------------|-------------------------|---------------------------|
| | METER CLASS | | | | | @ 30°C amb. | @ 55°C amb. | | JCB-3 5,000 V BIL 60 kV | JCM-4 8,700 V BIL 75 kV | JCM-5 15,000 V BIL 110 kV |
| | B0.1 | B0.2 B0.5 | B1.0 | | | | | | | | |
| 1200:5 | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 88800 | 753X021008 | 754X021008 | 755X021008 | |
| 1500:5 | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 111000 | 753X021009 | 754X021009 | 755X021009 | |
| 2000:5 | 0.3 | 0.3 | 0.3 | C400 | 1.33 | 1.0 | 148000 | 753X021011 | 754X021011 | 755X021011 | |
| 3000:5 | 0.3 | 0.3 | 0.3 | C400 | 1.33 | 1.0 | 282000 | 753X021013 | 754X021013 | 755X021013 | |
| 4000:5 | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 296000 | 753X021014 | 754X021014 | 755X021014 | |
| 600/1200:5 | 0.3 | 0.6 | --- | C100 | 2.0 | 1.5 | 88800 | 753X021016 | 754X021016 | 755X021016 | |
| | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 88800 | | | | |
| 750/1500:5 | 0.3 | 0.3 | 0.6 | C100 | 2.0 | 1.5 | 111000 | 753X021017 | 754X021017 | 755X021017 | |
| | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 111000 | | | | |
| 1000/2000:5 | 0.3 | 0.3 | 0.6 | C200 | 2.0 | 1.5 | 148000 | 753X021018 | 754X021018 | 755X021018 | |
| | 0.3 | 0.3 | 0.3 | C400 | 1.33 | 1.0 | 148000 | | | | |
| 1500/3000:5 | 0.3 | 0.3 | 0.3 | C200 | 2.0 | 1.5 | 282000 | 753X021019 | 754X021019 | 755X021019 | |
| | 0.3 | 0.3 | 0.3 | C400 | 1.33 | 1.0 | 282000 | | | | |
| 2000/4000:5 | 0.3 | 0.3 | 0.3 | C100 | 2.0 | 1.5 | 296000 | 753X021020 | 754X021020 | 755X021020 | |
| | 0.3 | 0.3 | 0.3 | C200 | 1.33 | 1.0 | 296000 | | | | |

Medium Voltage Current Transformers

Model CTW6-125-T100/200

25.5 kV, 125 kV BIL, 10.5-600 A



APPLICATION:

Metering and relaying.

FREQUENCY:

50-400 Hz.

MAXIMUM SYSTEM VOLTAGE:

25.5 kV, BIL125 kV full wave.

CONTINUOUS THERMAL CURRENT RATING FACTOR:

1.50 at 30°C amb., 1.33 at 55°C. amb.

WEIGHT (Approximate)

T100 - 95 lbs.

T200 - 115 lbs.

DIMENSIONS

Height10.78"

Width.....23.00"

Depth 6.38"

Primary terminals 1/2-13 bolts with one Belleville washer.

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

INSULATION

Polyurethane

CTW6 Data Table

| CATALOG NUMBER | CURRENT RATIO | RELAY CLASS | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | THERMAL CURRENT RATING 1 SECOND RMS Amps |
|----------------------|---------------|-------------|----------------------------------|------|------|------|------|--|
| | | | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | |
| CTW6-125-T100 | | | | | | | | |
| CTW6-125-T100-100 | 10:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 900* |
| CTW6-125-T100-150 | 15:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 1700* |
| CTW6-125-T100-250 | 25:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 2700* |
| CTW6-125-T100-500 | 50:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 4700* |
| CTW6-125-T100-750 | 75:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 12900* |
| CTW6-125-T100-101 | 100:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 12900* |
| CTW6-125-T100-151 | 150:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 23000* |
| CTW6-125-T100-201 | 200:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 28200* |
| CTW6-125-T100-301 | 300:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 48900* |
| CTW6-125-T100-401 | 400:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 66200* |
| CTW6-125-T100-601 | 600:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 66200* |
| CTW6-125-T200 | | | | | | | | |
| CTW6-125-T200-100 | 10:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 900** |
| CTW6-125-T200-150 | 15:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1700** |
| CTW6-125-T200-250 | 25:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 2700** |
| CTW6-125-T200-500 | 50:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 4700** |
| CTW6-125-T200-750 | 75:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 12900** |
| CTW6-125-T200-101 | 100:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 12900** |
| CTW6-125-T200-151 | 150:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 23000** |
| CTW6-125-T200-201 | 200:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 28200** |
| CTW6-125-T200-301 | 300:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 48900** |
| CTW6-125-T200-401 | 400:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 66200** |
| CTW6-125-T200-601 | 600:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 66200** |

* With a burden of B0.2 or greater connected to the secondary.

** With a burden of B0.5 or greater connected to the secondary.

Medium Voltage Current Transformers

Model CTWH6-125-T200

25.5 kV, 125 kV BIL, 800-3000 A



APPLICATION:

Metering and relaying.

FREQUENCY:

50-400 Hz.

MAXIMUM SYSTEM VOLTAGE:

25.5 kV, BIL 125 kV full wave.

CONTINUOUS THERMAL CURRENT RATING FACTOR:

1.50 at 30°C amb., 1.33 at 55°C. amb.

2000:5 = 1.33 at 30°C. amb., 1.00 at 55°C. amb.

2500:5 and 3000:5 = 1.00 at 30°C. amb., 0.85 at 55°C. amb.

WEIGHT

Approximate 150 lbs.

DIMENSIONS

Height16.88"

Width..... 16.00"

Depth 9.50"

Primary terminals are plated copper bars, configured as specified.

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Vacuum cast polyurethane resin.

Dual bars spacing is 1/2 inch.

INSULATION

Polyurethane

CTWH6 Data Table

| CATALOG NUMBER | CURRENT RATIO | RELAY CLASS | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | *THERMAL CURRENT RATING 1 SECOND RMS Amps |
|-----------------------|---------------|-------------|----------------------------------|------|------|------|------|---|
| | | | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | |
| CTWH6-125-T200-801-** | 800:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 87000 |
| CTWH6-125-T200-200-** | 1000:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 13300 |
| CTWH6-125-T200-122-** | 1200:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 13300 |
| CTWH6-125-T200-152-** | 1500:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 266000 |
| CTWH6-125-T200-202-** | 2000:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 266000 |
| CTWH6-125-T200-252-** | 2500:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 266000 |
| CTWH6-125-T200-302-** | 3000:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 358000 |

* With a burden of B0.1 or greater connected to the secondary.

** Specify primary bus arrangement number (1 through 8).

Medium Voltage Current Transformers

Model CTW7-150-T100/200

36.5 kV, 150 kV BIL, 10-600 A



RU E145172

Note: 200 kV BIL is available for 600:5 only

APPLICATION:

Metering and relaying.

FREQUENCY:

50-400 Hz.

MAXIMUM SYSTEM VOLTAGE:

36.5 kV, BIL150 kV full wave.

CONTINUOUS THERMAL CURRENT RATING FACTOR:

1.50 at 30°C amb., 1.33 at 55°C. amb.

WEIGHT (Approximate)

T100 - 95 lbs.

T200 - 115 lbs.

DIMENSIONS

Height 15.10"
 Width.....13.75"
 Depth 8.50"

Primary terminals 1/2-13 bolts with one Belleville washer.

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

INSULATION

Polyurethane

CTW7 Data Table

| CATALOG NUMBER | CURRENT RATIO | RELAY CLASS | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | THERMAL CURRENT RATING 1 SECOND RMS Amps |
|----------------------|---------------|-------------|----------------------------------|------|------|------|------|--|
| | | | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | |
| CTW7-150-T100 | | | | | | | | |
| CTW7-150-T100-100 | 10:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 900* |
| CTW7-150-T100-150 | 15:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 1700* |
| CTW7-150-T100-250 | 25:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 2700* |
| CTW7-150-T100-500 | 50:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 4700* |
| CTW7-150-T100-750 | 75:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 12900* |
| CTW7-150-T100-101 | 100:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 12900* |
| CTW7-150-T100-151 | 150:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 23000* |
| CTW7-150-T100-201 | 200:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 28200* |
| CTW7-150-T100-301 | 300:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 48900* |
| CTW7-150-T100-401 | 400:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 66200* |
| CTW7-150-T100-601 | 600:5 | T100 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 66200* |
| CTW7-150-T200 | | | | | | | | |
| CTW7-150-T200-100 | 10:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 900** |
| CTW7-150-T200-150 | 15:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1700** |
| CTW7-150-T200-250 | 25:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 2700** |
| CTW7-150-T200-500 | 50:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 4700** |
| CTW7-150-T200-750 | 75:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 12900** |
| CTW7-150-T200-101 | 100:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 12900** |
| CTW7-150-T200-151 | 150:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 23000** |
| CTW7-150-T200-201 | 200:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 28200** |
| CTW7-150-T200-301 | 300:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 48900** |
| CTW7-150-T200-401 | 400:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 66200** |
| CTW7-150-T200-601 | 600:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 66200** |

* With a burden of B0.2 or greater connected to the secondary.

** With a burden of B0.5 or greater connected to the secondary.

Medium Voltage Current Transformers

Model CTWH7-150-T200

36.5 kV, 150 kV BIL, 800-3000 A



Note: 200 kV BIL is available for 600:5 only

APPLICATION:

Metering and relaying.

FREQUENCY:

50-400 Hz.

MAXIMUM SYSTEM VOLTAGE:

36.5 kV, BIL 150 kV full wave.

CONTINUOUS THERMAL CURRENT RATING FACTOR:

1.50 at 30°C amb., 1.33 at 55°C. amb.

2000:5 = 1.33 at 30°C. amb., 1.00 at 55°C. amb.

2500:5 and 3000:5 = 1.00 at 30°C. amb., 0.85 at 55°C. amb.

WEIGHT

Approximate 180 lbs.

DIMENSIONS

Height 18.38"

Width..... 16.00"

Depth 9.50"

Primary terminals are plated copper bars, configured as specified.

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Dual bars spacing is 1/2 inch.

INSULATION

Polyurethane

CTWH7 Data Table

| CATALOG NUMBER | CURRENT RATIO | RELAY CLASS | IEEE ACCURACY CLASS 60 Hz BURDEN | | | | | *THERMAL CURRENT RATING 1 SECOND RMS Amps |
|-----------------------|---------------|-------------|----------------------------------|------|------|------|------|---|
| | | | B0.1 | B0.2 | B0.5 | B0.9 | B1.8 | |
| CTWH7-150-T200-801-** | 800:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 87000 |
| CTWH7-150-T200-200-** | 1000:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 13300 |
| CTWH7-150-T200-122-** | 1200:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 13300 |
| CTWH7-150-T200-152-** | 1500:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 266000 |
| CTWH7-150-T200-202-** | 2000:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 266000 |
| CTWH7-150-T200-252-** | 2500:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 266000 |
| CTWH7-150-T200-302-** | 3000:5 | T200 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 358000 |

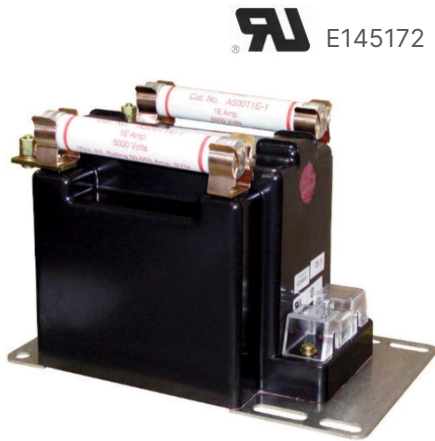
* With a burden of B0.1 or greater connected to the secondary.

** See complete cataloge sheet for primary bus arrangement number

Medium Voltage Voltage Transformers

Model JVM-2C/3C

60 kV BIL, 2400-4800 V



APPLICATION

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

REGULATORY AGENCY APPROVALS

UL Recognized File E145172

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 750 VA
 30°C Rise above 55°C Ambient 500 VA

WEIGHT (Approximate)

Unfused 34 lbs
 Fused 37 lbs

DIMENSIONS

Height 7.07"
 Width 10.85"
 Depth 6.38"

REFERENCE DRAWINGS

Outline 0142C33852

INSULATION

Polyurethane

** Also available in premium Hy-Bute-60.*

JVM-2C/3C Data Table

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER | PRIMARY FUSE RATING | |
|------------------------------------|---|-------------------------|-------|-------------------------------------|--|-------------------|---------------------|-------|
| | | PRIMARY VOLTAGE ① | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | | Amps | Volts |
| Unfused | | | | | | | | |
| 2400/4160 | Δ or Y/ Y only | 2400 | 20:1 | 0.3 W,X,M,Y & 1.2Z | 0.3 W,X & 1.2 M,Y | 763X121001 | --- | --- |
| 4200 | Δ or Y | 4200 | 35:1 | 0.3 W,X,M,Y & 1.2Z | 0.3 W,X & 1.2 M,Y | 763X121002 | --- | --- |
| 4800 | Δ or Y | 4800 | 40:1 | 0.3 W,X,M,Y & 1.2Z | 0.3 W,X & 1.2 M,Y | 763X121003 | --- | --- |
| With One Primary Fuse | | | | | | | | |
| 2400 | Y only | 2400 ^④ | 20:1 | --- | 0.3 W,X & 1.2 M,Y | 763X121042 | 2 A | 2400 |
| 4160 | Y only | 2400 ^④ | 20:1 | 0.3 W,X,M,Y & 1.2Z | --- | 763X121033 | 2 A | 4800 |
| 4200 | Y only | 4200 | 35:1 | --- | 0.3 W,X & 1.2 M,Y | 763X121031 | 1 A | 4800 |
| 4800 | Y only | 4800 | 40:1 | --- | 0.3 W,X & 1.2 M,Y | 763X121032 | 1 A | 4800 |
| With Two Primary Fuses | | | | | | | | |
| 2400 | Δ or Y ^③ | 2400 ^④ | 20:1 | 0.3 W,X,M,Y & 1.2Z | 0.3 W,X & 1.2 M,Y | 763X121040 | 2 A | 2400 |
| 4160 | Y only | 2400 ^④ | 20:1 | 0.3 W,X,M,Y & 1.2Z | --- | 763X121024 | 2 A | 4800 |
| 4200 | Δ or Y ^③ | 4200 | 35:1 | 0.3 W,X,M,Y & 1.2Z | 0.3 W,X & 1.2 M,Y | 763X121018 | 1 A | 4800 |
| 4800 | Δ or Y ^③ | 4800 | 40:1 | 0.3 W,X,M,Y & 1.2Z | 0.3 W,X & 1.2 M,Y | 763X121019 | 1 A | 4800 |

Notes:

① For continuous operation, the transformer's rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating.

③ For Y connections, it is preferred practice to connect one lead from each voltage transformer directly to the grounded neutral, using a fuse only in the line side of the primary. By this connection a transformer can never be "alive" from the line side by reason of a blown fuse on the grounded side.

④ Although these pairs of transformers have the same voltage rating and turns ratio and are otherwise identical, they are supplied with fuses having different voltage ratings to suit the operating voltage of the application. This difference necessitates a separate catalog number to differentiate them.

Medium Voltage Voltage Transformers

Model JVM-95

95 kV BIL, 7200-14400 V



APPLICATION

The Type JVM-95 is a metering voltage transformer to be used in conjunction with the Type JKM-95 current transformer for primary metering of underground distribution systems.

Weight - Shipping/Net

(approximate, in pounds)

Transformer 115/95

DIMENSIONS

Height 11.31"

Width 7.69"

Length 11.94"

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JVM-95 Data Table

| LINE-TO-LINE CIRCUIT VOLTAGE FOR PERMISSIBLE PRIMARY CONNECTION | | | TRANSFORMER RATING ① | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER | | |
|---|-------|--------|----------------------|-------|----------------------------------|----------------------------------|-------------------|-------------------|-------------------|
| Δ | Y | Y ONLY | PRIMARY VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | 18-INCH CONNECTOR | 24-INCH CONNECTOR | 36-INCH CONNECTOR |
| With Two Insulated High Voltage Terminals | | | | | | | | | |
| 7200 | 7200 | 12470 | 7200 | 60:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022024 | 765X022034 | 765X022044 |
| 8400 | 8400 | 14560 | 8400 | 70:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022023 | 765X022033 | 765X022043 |
| 12000 | 12000 | --- | 12000 | 100:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022022 | 765X022032 | 765X022042 |
| 14400 | 14400 | --- | 14400 | 120:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022021 | 765X022031 | 765X022041 |
| With One Insulated High Voltage Terminal and One Grounded Terminal | | | | | | | | | |
| --- | 7200 | 12470 | 7200 | 60:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022028 | 765X022038 | 765X022048 |
| --- | 8400 | 14560 | 8400 | 70:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022027 | 765X022037 | 765X022047 |
| --- | --- | 12000 | 12000 | 100:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022026 | 765X022036 | 765X022046 |
| --- | --- | 14400 | 14400 | 120:1 | 0.3 W,X,M,Y | 0.3 W,X,M; 0.6 Y | 765X022025 | 765X022035 | 765X022045 |

Note:

① For continuous operation, the transformer-rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary-voltage rating.

Medium Voltage Voltage Transformers

Model JVM-4C/5C

75-110 kV BIL, 4200-14400 V



JVM-5C



JVM-5

* Also available in premium Hy-Bute-60 With lattice wound primary. Contact factory for part numbers..

APPLICATION

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

REGULATORY AGENCY APPROVALS

UL Recognized File E145172

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 1500 VA
 30°C Rise above 55°C Ambient 1000 VA

WEIGHT (Approximate)

Unfused 85 lbs
 Fused 88 lbs

DIMENSIONS

Height 11.50"
 Width 11.63"
 Depth 10.63"

REFERENCE DRAWINGS

Outline 0162C33853

INSULATION

Polyurethane

JVM-4C/5C Data Table

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | BIL | CATALOG NUMBER SUPPLIED WITH FUSES | CATALOG NUMBER SUPPLIED WITHOUT FUSES | PRIMARY FUSE RATING | |
|-------------------------------------|--|--------------------------------|-------|----------------------------------|----------------------------------|-------|------------------------------------|---------------------------------------|---------------------|-------|
| | | PRIMARY ⁽¹⁾ VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | | | | Amps | Volts |
| JVM-4C Unfused | | | | | | | | | | |
| 4200/7200 | Δ or Y/ Y only | 4200 | 35:1 | Acc 1 | Acc 2 | 75 kV | --- | 764X120001 | --- | --- |
| 4800/8320 | Δ or Y/ Y only | 4800 | 40:1 | Acc 1 | Acc 2 | 75 kV | --- | 764X120002 | --- | --- |
| 7200 | Δ or Y | 7200 | 60:1 | Acc 1 | Acc 2 | 75 kV | --- | 764X120003 | --- | --- |
| JVM-4C With One Primary Fuse | | | | | | | | | | |
| 4200 | Y only | 4200 ⁽⁴⁾ | 35:1 | --- | Acc 2 | 75 kV | 764X120021 | --- | 2 A | 4800 |
| 7200 | Y only | 4200 ⁽⁴⁾ | 35:1 | Acc 1 | --- | 75 kV | 764X120023 | 764X120025 | 2 A | 7200 |
| 4800 | Y only | 4800 | 40:1 | --- | Acc 2 | 75 kV | 764X120022 | 764X120026 | 2 A | 4800 |
| 7200 | Y only | 7200 | 60:1 | --- | Acc 2 | 75 kV | 764X120024 | 764X120028 | 1 A | 7200 |

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | BIL | CATALOG NUMBER SUPPLIED WITH FUSES | CATALOG NUMBER SUPPLIED WITHOUT FUSES | PRIMARY FUSE RATING | |
|--------------------------------------|--|--------------------------------|-------|----------------------------------|----------------------------------|--------|------------------------------------|---------------------------------------|---------------------|-------|
| | | PRIMARY ⁽¹⁾ VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | | | | Amps | Volts |
| JVM-4C With Two Primary Fuses | | | | | | | | | | |
| 4200 | Δ or Y ⁽³⁾ | 4200 ⁽⁴⁾ | 35:1 | Acc 1 | Acc 2 | 75 kV | 764X120012 | --- | 2 A | 4800 |
| 4200 | Δ Y only ⁽³⁾ | 4200 ⁽⁴⁾ | 35:1 | Acc 1 | --- | 75 kV | 764X120015 | 764X120018 | 2 A | 7200 |
| 4800 | Δ or Y ⁽³⁾ | 4800 | 40:1 | Acc 1 | Acc 2 | 75 kV | 764X120013 | 764X120019 | 2 A | 4800 |
| 7200 | Δ or Y ⁽³⁾ | 7200 | 60:1 | Acc 1 | Acc 2 | 75 kV | 764X120016 | 764X120020 | 1 A | 7200 |
| JVM-5C Unfused | | | | | | | | | | |
| 7200/12470 | Δ or Y/ Y only | 7200 | 60:1 | Acc 1 | Acc 2 | 110 kV | --- | 765X121001 | --- | --- |
| 8400/14400 | Δ or Y/ Y only | 8400 | 70:1 | Acc 1 | Acc 2 | 110 kV | --- | 765X121002 | --- | --- |
| 12000 | Δ or Y | 12000 | 100:1 | Acc 1 | Acc 2 | 110 kV | --- | 765X121003 | --- | --- |
| 14400 | Δ or Y | 14400 | 120:1 | Acc 1 | Acc 2 | 110 kV | --- | 765X121004 | --- | --- |
| JVM-5C With One Primary Fuse | | | | | | | | | | |
| 7200 | Y only | 7200 ⁽⁴⁾ | 60:1 | --- | Acc 2 | 110 kV | 765X121053 | 765X121061 | 1 A | 7200 |
| 12470 | Y only | 7200 ⁽⁴⁾ | 60:1 | Acc 1 | --- | 110 kV | 765X121048 | 765X121056 | 1 A | 14400 |
| 14400 | Y only | 8400 | 70:1 | Acc 1 | --- | 110 kV | 765X121049 | 765X121057 | 1 A | 14400 |
| 12000 | Y only | 12000 | 100:1 | --- | Acc 2 | 110 kV | 765X121050 | 765X121058 | 0.5 A | 14400 |
| 14400 | Y only | 14400 | 120:1 | --- | Acc 2 | 110 kV | 765X121051 | 765X121059 | 0.5 A | 14400 |
| JVM-5C With Two Primary Fuses | | | | | | | | | | |
| 7200 | Δ or Y ⁽³⁾ | 7200 ⁽⁴⁾ | 60:1 | Acc 1 | Acc 2 | 110 kV | 765X121031 | 765X121047 | 1 A | 7200 |
| 12470 | Y only ⁽³⁾ | 7200 ⁽⁴⁾ | 60:1 | Acc 1 | --- | 110 kV | 765X121027 | 765X121043 | 1 A | 14400 |
| 8400/14400 | Δ or Y/ Y only ⁽³⁾ | 8400 | 70:1 | Acc 1 | Acc 2 | 110 kV | 765X121028 | 765X121044 | 1 A | 14400 |
| 12000 | Δ or Y ⁽³⁾ | 12000 | 100:1 | Acc 1 | Acc 2 | 110 kV | 765X121029 | 765X121045 | 0.5 A | 14400 |
| 14400 | Δ or Y ⁽³⁾ | 14400 | 120:1 | Acc 1 | Acc 2 | 110 kV | 765X121030 | 765X121046 | 0.5 A | 14400 |

| ACC 1 | ACC 2 |
|----------------------------|----------------------------------|
| Operated at Rated Voltage | Operated at 58% of Rated Voltage |
| 0.3 W, X, M, Y, Z & 1.2 ZZ | 0.3 W, X, M, Y & 1.2 Z |

Notes:

- (1) For continuous operation, the transformer's rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating.
- (3) For Y connections, it is preferred practice to connect one lead from each voltage transformer directly to the grounded neutral, using a fuse only in the line side of the primary. By this connection a transformer can never be "alive" from the line side by reason of a blown fuse on the grounded side.
- (4) Although these pairs of transformers have the same voltage rating and turns ratio and are otherwise identical, they are supplied with fuses having different voltage ratings to suit the operating voltage of the application. This difference necessitates a separate catalog number to differentiate them.

Medium Voltage Voltage Transformers

Model JVM-4AC/5AC (High Accuracy)

75-110 kV BIL, 4200-14400V



JVM-5AC



JVM-5A



APPLICATION

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

REGULATORY AGENCY APPROVALS

UL Recognized File E145172

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 2000 VA
 30°C Rise above 55°C Ambient 1400 VA

WEIGHT (Approximate)

Unfused 85 lbs
 Fused 88 lbs

DIMENSIONS

Height 11.50"
 Width 11.63"
 Depth 10.63"

REFERENCE DRAWINGS

Outline 0162C33853

INSULATION

Polyurethane

* Also available in premium Hy-Bute-60 With lattice wound primary.
 Contact factory for part numbers..

JVM-4AC/5AC Data Table

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | BIL | CATALOG NUMBER SUPPLIED WITHOUT FUSES | PRIMARY FUSE RATING | |
|--------------------------------------|--|--------------------------------|-------|----------------------------------|----------------------------------|-------|---------------------------------------|---------------------|-------|
| | | PRIMARY ⁽¹⁾ VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | | | Amps | Volts |
| JVM-4AC Unfused | | | | | | | | | |
| 4200/7200 | Δ or Y/ Y only | 4200 | 35:1 | 0.15 Y | 0.3 Z | 75 kV | 764X120001 | --- | --- |
| 4800/8320 | Δ or Y/ Y only | 4800 | 40:1 | 0.15 Y | 0.3 Z | 75 kV | 764X120002 | --- | --- |
| 7200 | Δ or Y | 7200 | 60:1 | 0.15 Y | 0.3 Z | 75 kV | 764X120003 | --- | --- |
| JVM-4AC With One Primary Fuse | | | | | | | | | |
| 4200 | Y only | 4200 ⁽⁴⁾ | 35:1 | 0.15 Y | 0.3 Z ⁽²⁾ | 75 kV | 764X121010 | 2 A | 4800 |
| 7200 | Y only | 4200 ⁽⁴⁾ | 35:1 | 0.15 Y | 0.3 Z | 75 kV | 764X121011 | 2 A | 7200 |
| 4800 | Y only | 4800 | 40:1 | 0.15 Y | 0.3 Z ⁽²⁾ | 75 kV | 764X121012 | 2 A | 4800 |
| 7200 | Y only | 7200 | 60:1 | 0.15 Y | 0.3 Z ⁽²⁾ | 75 kV | 764X121013 | 1 A | 7200 |

| CIRCUIT LINE TO LINE VOLTAGE | PERMISSIBLE TRANSFORMER PRIMARY CONNECTION | TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | | BIL | CATALOG NUMBER SUPPLIED WITHOUT FUSES | PRIMARY FUSE RATING | |
|---------------------------------------|--|--------------------------------|--------|----------------------------------|----------------------------------|--------|---------------------------------------|---------------------|-------|
| | | PRIMARY ⁽¹⁾ VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | | | Amps | Volts |
| JVM-4AC With Two Primary Fuses | | | | | | | | | |
| 4200 | Δ Y only ⁽³⁾ | 4200 | 35:1 | 0.15 Y | 0.3 Z | 75 kV | 764X121021 | 2 A | 4800 |
| 4800 | Δ or Y ⁽³⁾ | 4800 | 40:1 | 0.15 Y | 0.3 Z | 75 kV | 764X121022 | 2 A | 4800 |
| 7200 | Δ or Y ⁽³⁾ | 7200 | 60:1 | 0.15 Y | 0.3 Z | 75 kV | 764X121023 | 1 A | 7200 |
| JVM-5AC Unfused | | | | | | | | | |
| 7200/12470 | Δ or Y/ Y only | 7200 | 60:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123001 | --- | --- |
| 7620/13200 | Δ or Y/ Y only | 7620 | 63.5:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123002 | --- | --- |
| 8400/14400 | Δ or Y/ Y only | 8400 | 70:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123003 | --- | --- |
| 12000 | Δ or Y | 12000 | 100:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123004 | --- | --- |
| 13200 | Δ or Y | 13200 | 110:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123005 | --- | --- |
| 14400 | Δ or Y | 14400 | 120:1 | 0.15 Y | 0.3 Z | 110 kV | 765X121006 | --- | --- |
| JVM-5AC With One Primary Fuse | | | | | | | | | |
| 7200 | Y only | 7200 ⁽⁴⁾ | 60:1 | 0.15 Y | 0.3 Z ⁽²⁾ | 110 kV | 765X123010 | 1 A | 7200 |
| 12470 | Y only | 7200 ⁽⁴⁾ | 60:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123011 | 1 A | 14400 |
| 7620 | Y only | 7620 | 63.5:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123012 | 1 A | 14400 |
| 8400 | Y only | 8400 | 70:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123013 | 1 A | 14400 |
| 12000 | Y only | 12000 | 100:1 | 0.15 Y | 0.3 Z ⁽²⁾ | 110 kV | 765X123014 | 1 A | 14400 |
| 13200 | Y only | 13200 | 110:1 | 0.15 Y | 0.3 Z ⁽²⁾ | 110 kV | 765X123015 | 1 A | 14400 |
| 14400 | Y only | 14400 | 120:1 | 0.15 Y | 0.3 Z ⁽²⁾ | 110 kV | 765X123016 | 0.5 A | 14400 |
| JVM-5AC With Two Primary Fuses | | | | | | | | | |
| 7200 | Δ or Y only ⁽³⁾ | 7200 | 60:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123020 | 1 A | 7200 |
| 12000 | Δ or Y only ⁽³⁾ | 12000 | 100:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123024 | 1 A | 14400 |
| 13200 | Δ or Y only ⁽³⁾ | 13200 | 1100:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123025 | 1 A | 14400 |
| 14400 | Δ or Y only ⁽³⁾ | 14400 | 120:1 | 0.15 Y | 0.3 Z | 110 kV | 765X123026 | 0.5 A | 14400 |

Notes:

- (1) For continuous operation, the transformer’s rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating.
- (2) With ANSI 69 Volt burden.
- (3) For Y connections, it is preferred practice to connect one lead from each voltage transformer directly to the grounded neutral, using a fuse only in the line side of the primary. By this connection a transformer can never be “alive” from the line side by reason of a blown fuse on the grounded side.
- (4) Although these pairs of transformers have the same voltage rating and turns ratio and are otherwise identical, they are supplied with fuses having different voltage ratings to suit the operating voltage of the application. This difference necessitates a separate catalog number to differentiate them.

Medium Voltage Voltage Transformers

Model PT6-1-125

125 kV BIL, 10200-24000 V



JVM-6

APPLICATION

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

REGULATORY AGENCY APPROVALS

UL Recognized File E145172

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 1500 VA

30°C Rise above 55°C Ambient 1000 VA

ACCURACY CLASS

0.3 W, X, M, Y, Z & 1.2 ZZ at 100% rated voltage with 120V based IEEE burden.

0.3 W, X, M, Y & 1.2Z at 58% rated voltage with 69.3V based IEEE burden

WEIGHT (Approximate)

Unfused125 lbs

DIMENSIONS

Height 13.44"

Width.....13.75"

Depth 9.50"

INSULATION

Polyurethane

FREQUENCY:

60 Hz.

* Also available in premium Hy-Bute-60.

PT6-1-125 Data Table

| PRIMARY VOLTAGE | RATIO | SECONDARY VOLTAGE | CATALOG NUMBERS | R _{FR} |
|-----------------|-------|-------------------|-----------------|-----------------|
| 10200 | 85:1 | 120 | PT6-1-125-1022 | 86 ohms |
| *12000 | 100:1 | 120 | PT6-1-125-123 | 86 ohms |
| 13200 | 110:1 | 120 | PT6-1-125-1322 | 86 ohms |
| 13800 | 115:1 | 120 | PT6-1-125-1382 | 86 ohms |
| *14400 | 120:1 | 120 | PT6-1-125-1442 | 86 ohms |
| *18000 | 150:1 | 120 | PT6-1-125-183 | 48 ohms |
| *21000 | 175:1 | 120 | PT6-1-125-213 | 48 ohms |
| *24000 | 200:1 | 120 | PT6-1-125-243 | 48 ohms |

NOTE: All primary voltages marked with an asterisk (*) are approved for revenue metering in Canada by industry Canada, Approval No. AE-0676 Rev.2

Medium Voltage Voltage Transformers

Model PT6-2-125

125 kV BIL, 18000-24000 V



APPLICATION

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

MAXIMUM SYSTEM VOLTAGE:

25.5 kV, BIL 125 kV full wave.

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 1500 VA
 30°C Rise above 55°C Ambient 1000 VA

ACCURACY CLASS

0.3 W, X, M, Y, Z & 1.2 ZZ at 100% rated voltage with 120V based IEEE burden.
 0.3 W, X, M, Y & 1.2Z at 58% rated voltage with 69.3V based IEEE burden

WEIGHT (Approximate)

Unfused 125 lbs

DIMENSIONS

Height 13.44"
 Width 13.75"
 Depth 9.50"

INSULATION

Polyurethane

FREQUENCY:

60 Hz.

PT6-2-125 Data Table

| PRIMARY VOLTAGE | RATIO | SECONDARY VOLTAGE | 125 kV BIL CATALOG NUMBERS |
|-----------------|-------|-------------------|----------------------------|
| 18000 | 150:1 | 120 | PT6-2-125-183 |
| 21000 | 175:1 | 120 | PT6-2-125-213 |
| 24000 | 200:1 | 120 | PT6-2-125-243 |

Approved for revenue metering in Canada by industry Canada, Approval No. AE-0676 Rev.2

Medium Voltage Voltage Transformers

Model PT7-1-150

150-200 kV BIL, 15240-34500 V



APPLICATION

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

MAXIMUM SYSTEM VOLTAGE:

36.5 kV, BIL 150 kV full wave.

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 1500 VA
 30°C Rise above 55°C Ambient 1000 VA

ACCURACY CLASS

0.3 W, X, M, Y, Z & 1.2 ZZ at 100% rated voltage with 120V based IEEE burden.
 0.3 W, X, M, Y & 1.2Z at 58% rated voltage with 69.3V based IEEE burden

WEIGHT (Approximate)

Unfused 140 lbs

DIMENSIONS

Height 13.44"
 Width 13.75"
 Depth 9.50"

INSULATION

Polyurethane

FREQUENCY:

60 Hz.

PT7-1-150 Data Table

| PRIMARY VOLTAGE | RATIO | SECONDARY VOLTAGE | **150 kV BIL CATALOG NUMBERS | R _{FR} |
|-----------------|-------|-------------------|------------------------------|-----------------|
| 15240 | 127:1 | 120 | PT7-1-150-SD01967 | 86 ohms |
| 15600 | 130:1 | 120 | PT7-1-150-SD03259 | 86 ohms |
| *16800 | 140:1 | 120 | PT7-1-150-SD02381 | 86 ohms |
| 19920 | 166:1 | 120 | PT7-1-150-SD01620 | 86 ohms |
| *20125 | 175:1 | 115 | PT7-1-150-2012A | 86 ohms |
| 24000 | 200:1 | 120 | PT7-1-150-SD03289 | 48 ohms |
| 26400 | 220:1 | 120 | PT7-1-150-SD02085 | 48 ohms |
| 27000 | 225:1 | 120 | PT7-1-150-SD03158 | 48 ohms |
| 27600 | 240:1 | 115 | PT7-1-150-SD03449 | 48 ohms |
| 34500 | 300:1 | 115 | PT7-1-150-SD01617 | 48 ohms |

NOTE: All primary voltages marked with an asterisk (*) are approved for revenue metering in Canada by industrial Canada, Approval No. AE-0677 Rev. 1

** Consult factory for 200 kV BIL catalog numbers.

Medium Voltage Voltage Transformers

Models PT7-2-150 & PT7-2-200

150-200 kV BIL, 24000-34500 V



APPLICATION

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

MAXIMUM SYSTEM VOLTAGE:

36.5 kV, BIL 200 kV full wave.

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient 1500 VA
 30°C Rise above 55°C Ambient 1000 VA

ACCURACY CLASS

0.3 W, X, M, Y, Z & 1.2 ZZ at 100% rated voltage with 120V based IEEE burden.
 0.3 W, X, M, Y & 1.2Z at 58% rated voltage with 69.3V based IEEE burden

WEIGHT

(Approximate)

Unfused 140 lbs

DIMENSIONS

Height 13.44"
 Width 13.75"
 Depth 9.50"

INSULATION

Polyurethane

FREQUENCY:

60 Hz.

PT7-2-150 & PT7-2-200 Data Table

| PRIMARY VOLTAGE | RATIO | SECONDARY VOLTAGE | 150 kV BIL CATALOG NUMBERS | 200 kV BIL CATALOG NUMBERS | *150 kV BIL CATALOG NUMBERS |
|-----------------|-------|-------------------|----------------------------|----------------------------|-----------------------------|
| 24000 | 200:1 | 120 | PT7-2-150-243 | PT7-2-200-243 | PTS7-2-150-243 |
| 27600 | 240:1 | 115 | PT7-2-150-2762 | PT7-2-200-2762 | PTS7-2-150-2762 |
| 34500 | 300:1 | 115 | PT7-2-150-3452 | PT7-2-200-3452 | PTS7-2-150-3452 |

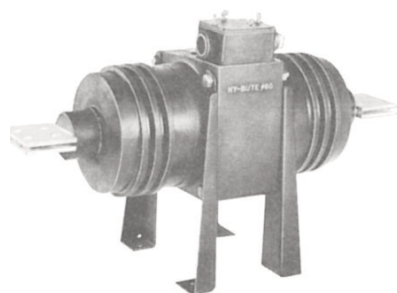
NOTE: Approved for revenue metering in Canada by industrial Canada, Approval No. AE-0677 Rev. 1

* Reduced width dimension for roll-out drawer or truck mounted installations.

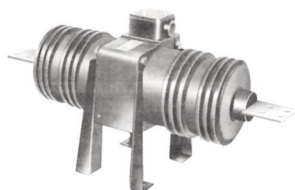
5 kV Thru 69 kV Current Transformers (Outdoor)

Models JCW-3 / JCW-4 / JCW-5

5 kV to 15 kV, 60 kV to 110 kV BIL 600A to 1200A



JCW-3 & JCW-4



JCW-5



APPLICATION

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

Weight - Shipping/Net

(approximate, in pounds)

Transformer123/111

DIMENSIONS

JCW-3 -4 -5

Height 16.19", 16.19", 16.19"

Width.....10.00", 10.00", 10.00"

Length..... 27.00", 27.00", 32.00"

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

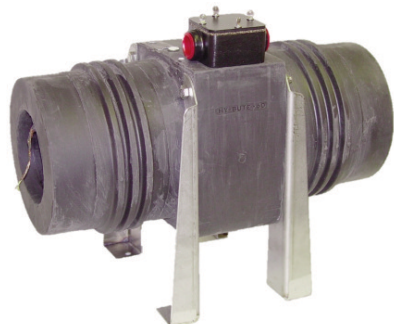
JCW-3 / JCW-4 / JCW-5 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER | | |
|--------------------------------------|-------------------------------------|-------------|--|-----------------------------------|-------------------------------|-------------------------------|---------------------------------|
| | METER CLASS | | | | JCW-3 5,000 V BIL 60 kV | JCW-4 8,700 V BIL 75 kV | JCW-5 15,000 V BIL 110 kV |
| | B2.0 | RELAY CLASS | @ 30°C amb. | | | | |
| Single Ratio | | | | | | | |
| 1200:5 | 0.3 | C200 | 1.33 | 55000 | 753X030003 | 754X030003 | 755X030003 |
| 1500:5 | 0.3 | C200 | 1.33 | 69000 | 753X030004 | 754X030004 | 755X030004 |
| 2000:5 | 0.3 | C200 | 1.33 | 148000 | 753X030005 | 754X030005 | 755X030005 |
| 3000:5 | 0.3 | C200 | 1.33 | 279000 | 753X030007 | 754X030007 | 755X030007 |
| 4000:5 | 0.3 | C200 | 1.0 | 456000 | 753X030008 | 754X030008 | 755X030008 |
| Dual Ratio | | | | | | | |
| 600/1200:5 | 0.6 | C100 | 2.0 | 55000 | 753X030009 | 754X030009 | 755X030009 |
| | 0.3 | C200 | 1.33 | 55000 | | | |
| 750/1500:5 | 0.6 | C100 | 2.0 | 69000 | 753X030010 | 754X030010 | 755X030010 |
| | 0.3 | C200 | 1.33 | 69000 | | | |
| 1000/2000:5 | 0.6 | C100 | 2.0 | 148000 | 753X030011 | 754X030011 | 755X030011 |
| | 0.3 | C200 | 1.33 | 148000 | | | |
| 1500/3000:5 | 0.3 | C100 | 2.0 | 279000 | 753X030012 | 754X030012 | 755X030012 |
| | 0.3 | C200 | 1.33 | 279000 | | | |
| 2000/4000:5 | 0.3 | C100 | 2.0 | 456000 | 753X030013 | 754X030013 | 755X030013 |
| | 0.3 | C200 | 1.0 | 456000 | | | |

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JCD-3 / JCD-4 / JCD-5

5.56" Window 5 kV to 15 kV,
60 kV to 110 kV BIL 600 A to 1200 A



JCD-5



APPLICATION

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

Weight - Shipping/Net

(approximate, in pounds)

| | |
|---------------------------------|---------|
| Transformer, JCD-3, JCD-4 | 120/110 |
| Transformer, JCD-5 | 150/135 |

DIMENSIONS

JCW-3 -4 -5

| | |
|--------------|------------------------|
| Height | 18.47", 18.47", 18.47" |
| Width..... | 12.50", 12.50", 12.50" |
| Length..... | 18.00", 18.00", 23.00" |

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JCW-3 / JCW-4 / JCW-5 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER | | |
|--------------------------------------|-------------------------------------|-------------|--|-----------------------------------|----------------------------|----------------------------|------------------------------|
| | METER CLASS | | | | JCW-3 5,000 V BIL 60 kV | JCW-4 8,700 V BIL 75 kV | JCW-5 15,000 V BIL 110 kV |
| | B2.0 | RELAY CLASS | | | | | |
| Single Ratio | | | | | | | |
| 1200:5 | 0.3 | C200 | 1.33 | 88800 | 753X031008 | 754X031008 | 755X031008 |
| 1500:5 | 0.3 | C200 | 1.33 | 111000 | 753X031009 | 754X031009 | 755X031009 |
| 2000:5 | 0.3 | C400 | 1.33 | 148000 | 753X031011 | 754X031011 | 755X031011 |
| 3000:5 | 0.3 | C400 | 1.33 | 282000 | 753X031013 | 754X031013 | 755X031013 |
| 4000:5 | 0.3 | C200 | 1.33 | 296000 | 753X031014 | 754X031014 | 755X031014 |
| Dual Ratio | | | | | | | |
| 600/1200:5 | --- | C100 | 2.0 | 88000 | 753X031016 | 754X031016 | 755X031016 |
| | 0.3 | C200 | 1.33 | 88000 | | | |
| 750/1500:5 | 0.6 | C100 | 2.0 | 111000 | 753X031017 | 754X031017 | 755X031017 |
| | 0.3 | C200 | 1.33 | 111000 | | | |
| 1000/2000:5 | 0.6 | C200 | 2.0 | 148000 | 753X031018 | 754X031018 | 755X031018 |
| | 0.3 | C400 | 1.33 | 148000 | | | |
| 1500/3000:5 | 0.3 | C200 | 2.0 | 282000 | 753X031019 | 754X031019 | 755X031019 |
| | 0.3 | C400 | 1.33 | 282000 | | | |
| 2000/4000:5 | 0.3 | C100 | 2.0 | 296000 | 753X031020 | 754X031020 | 755X031020 |
| | 0.3 | C200 | 1.33 | 296000 | | | |

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JCK-3 / JCK-4

5 kV to 8.7 kV, 60 kV to 75 kV BIL 5A to 800A



APPLICATION

Designed for outdoor service; suitable for metering applications.

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base43/35

DIMENSIONS

JCK-3 -4

Height 13.63"

Width.....7.88"

Length..... 11.00

AccessoriesCatalog Number

Mounting Hardware:

"L" Mounting Brackets 8944634001

Auxiliary "L" Mounting Bracket..... 8944270001

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JCK-3 / JCK-4 / Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | MECHANICAL LIMIT, Amps | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER | |
|--------------------------------------|-------------------------------------|------------------|--|---------------------------|--------------------------------------|----------------|-------------------------------|
| | METER CLASS | | | | | @ 30°C amb. | JCK-3 5,000 V BIL 60 kV |
| | B0.1 B0.2 | B0.5 | | | | | |
| 5:5 | 0.3 | 0.3 ¹ | 3.0 | 3400 | 1900 | 753X051001 | 754X051001 |
| 10:5 | 0.3 | 0.3 | 3.0 | 3400 | 1900 | 753X051002 | 754X051002 |
| 15:5 | 0.3 | 0.3 | 3.0 | 5100 | 2850 | 753X051003 | 754X051003 |
| 20:5 | 0.3 | 0.3 | 3.0 | 6800 | 3825 | 753X051004 | 754X051004 |
| 25:5 | 0.3 | 0.3 | 3.0 | 8500 | 4775 | 753X051005 | 754X051005 |
| 30:5 | 0.3 | 0.3 | 3.0 | 10200 | 5725 | 753X051006 | 754X051006 |
| 40:5 | 0.3 | 0.3 | 3.0 | 13600 | 7650 | 753X051007 | 754X051007 |
| 50:5 | 0.3 | 0.3 | 3.0 | 17000 | 9550 | 753X051008 | 754X051008 |
| 75:5 | 0.3 | 0.3 | 3.0 | 21250 | 11775 | 753X051009 | 754X051009 |
| 100:5 | 0.3 | 0.3 | 3.0 | 34000 | 19125 | 753X051010 | 754X051010 |
| 150:5 | 0.3 | 0.3 | 3.0 | 42500 | 23575 | 753X051011 | 754X051011 |
| 200:5 | 0.3 | 0.3 | 3.0 | 56100 | 38250 | 753X051012 | 754X051012 |
| 300:5 | 0.3 | 0.3 | 3.0 | 85000 | 46750 | 753X051013 | 754X051013 |
| 400:5 | 0.3 | 2.5 | 2.5 | 85000 | 47600 | 753X051014 | 754X051014 |
| 600:5 | 0.3 | 2.0 | 2.0 | 85000 | 51000 | 753X051015 | 754X051015 |
| 800:5 | 0.3 | 1.5 | 1.5 | 85000 | 51000 | 753X051016 | 754X051016 |

NOTE

¹ Contact factory for B0.5 rating

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JKW-3 & JKW-4

5 kV to 8.7 kV, 60 kV to 75 kV BIL 5 to 800 A



APPLICATION

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

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base48/40

DIMENSIONS

JKW-3 -4

Height 12.94"

Width..... 9.38"

Length.....7.88"

Accessories Catalog Number

Mounting Hardware:

"L" Mounting Brackets 8944634001

Auxiliary "L" Mounting Bracket..... 8944270001

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKW-3 & JKW-4 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR @ 30°C amb. | ONE SECOND THERMAL LIMIT, Amps | MECHANICAL LIMIT, Amps | | CATALOG NUMBER | |
|--------------------------------------|-------------------------------------|-------------|--|--------------------------------------|---------------------------|-------|--------------------|--------------------|
| | METER CLASS | | | | JKW-3 | JKW-4 | JKW-3 BIL 60 kV | JKW-4 BIL 75 kV |
| | B0.1 THRU B1.8 | RELAY CLASS | | | | | | |
| Single Ratio | | | | | | | | |
| 5:5 | 0.3 | T100 | 1.5 | 465 | 900 | --- | 753X050008 | --- |
| 10:5 | 0.3 | T100 | 1.5 | 930 | 1800 | 1100 | 753X050009 | 754X050002 |
| 15:5 | 0.3 | T100 | 1.5 | 1470 | 2700 | 1650 | 753X050010 | 754X050003 |
| 20:5 | 0.3 | T100 | 1.5 | 1850 | 3600 | 2200 | 753X050011 | 754X050004 |
| 25:5 | 0.3 | T100 | 1.5 | 2300 | 4500 | 2750 | 753X050012 | 754X050005 |
| 30:5 | 0.3 | T100 | 1.5 | 2450 | 5400 | 3300 | 753X050013 | 754X050006 |
| 40:5 | 0.3 | T100 | 1.5 | 3700 | 7200 | 4400 | 753X050014 | 754X050007 |
| 50:5 | 0.3 | T100 | 1.5 | 4600 | 9000 | 5500 | 753X050015 | 754X050008 |
| 75:5 | 0.3 | T100 | 1.5 | 6400 | 13500 | 8250 | 753X050016 | 754X050009 |
| 100:5 | 0.3 | T100 | 1.5 | 8600 | 18000 | 11000 | 753X050017 | 754X050010 |
| 150:5 | 0.3 | T100 | 1.5 | 12800 | 27000 | 16500 | 753X050018 | 754X050011 |
| 200:5 | 0.3 | T100 | 1.5 | 17300 | 36000 | 22000 | 753X050019 | 754X050012 |
| 300:5 | 0.3 | T100 | 1.5 | 25700 | 54000 | 33000 | 753X050021 | 754X050014 |
| 400:5 | 0.3 | T100 | 1.5 | 36000 | 72000 | 44000 | 753X050022 | 754X050015 |
| 600:5 | 0.3 | T100 | 1.5 | 51500 | 108000 | 66000 | 753X050024 | 754X050017 |
| 800:5 | 0.3 | T100 | 1.25 | 67000 | 108000 | 80000 | 753X050025 | 754X050018 |

NOTE

① Dual-ratio models with tapped-secondary are available. Please contact the factory for information.

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JCK-5

15 kV, 110 kV BIL 5 to 800 A



APPLICATION

Designed for outdoor service; suitable for metering applications.

Weight - Shipping/Net

(approximate, in pounds)

Transformer, without base43/35

DIMENSIONS

JCK-3 -4

Height 13.63"

Width..... 9.38"

Length..... 11.00

Accessories Catalog Number

Mounting Hardware:

"L" Mounting Brackets8944634002

Auxiliary "L" Mounting Bracket..... 8944270001

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JCK-5 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR | MECHANICAL LIMIT, Amps | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|------------------|--|------------------------|--------------------------------|---------------------------------|
| | METER CLASS | | | | | JCK-5 15,000 V BIL 110 kV |
| | B0.1 B0.2 | B0.5 | @ 30°C amb. | | | |
| Single Ratio | | | | | | |
| 5:5 | 0.3 | 0.3 ¹ | 3.0 | 4000 | 2250 | 755X052016 |
| 10:5 | 0.3 | 0.3 | 3.0 | 4000 | 2250 | 755X052001 |
| 15:5 | 0.3 | 0.3 | 3.0 | 6000 | 3375 | 755X052002 |
| 20:5 | 0.3 | 0.3 | 3.0 | 8000 | 4500 | 755X052003 |
| 25:5 | 0.3 | 0.3 | 3.0 | 10000 | 5625 | 755X052004 |
| 30:5 | 0.3 | 0.3 | 3.0 | 12000 | 6750 | 755X052005 |
| 40:5 | 0.3 | 0.3 | 3.0 | 16000 | 9000 | 755X052006 |
| 50:5 | 0.3 | 0.3 | 3.0 | 20000 | 11250 | 755X052007 |
| 75:5 | 0.3 | 0.3 | 3.0 | 25000 | 13875 | 755X052008 |
| 100:5 | 0.3 | 0.3 | 3.0 | 40000 | 22500 | 755X052009 |
| 150:5 | 0.3 | 0.3 | 3.0 | 50000 | 27750 | 755X052010 |
| 200:5 | 0.3 | 0.3 | 3.0 | 66000 | 45000 | 755X052011 |
| 300:5 | 0.3 | 0.3 | 3.0 | 100000 | 55500 | 755X052012 |
| 400:5 | 0.3 | 2.5 | 2.5 | 100000 | 56000 | 755X052013 |
| 600:5 | 0.3 | 2.0 | 2.0 | 100000 | 60000 | 755X052014 |
| 800:5 | 0.3 | 1.5 | 1.5 | 100000 | 60000 | 755X052015 |

NOTE

¹ Contact factory for B0.5 rating

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JCK-5C

15 kV, 110 kV BIL 5 to 1200 A



APPLICATION

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

DIMENSIONS/WEIGHT

Height 14.55"

Depth 12.37"

Width..... 10.88"

Weight (Approximate)..... 40 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

HCEP

FREQUENCY

60 Hz

JCK-5 Data Table

| CURRENT RATIO | IEEE ACCURACY CLASS 60 Hz BURDEN | | RATING FACTOR | CATALOG NUMBER |
|---------------|----------------------------------|-------------|---------------|----------------|
| | METERING CLASS | RELAY CLASS | | |
| 5:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152001 |
| 10:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152002 |
| 15:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152003 |
| 20:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152004 |
| 25:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152005 |
| 30:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152006 |
| 40:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152007 |
| 50:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152008 |
| 75:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152009 |
| 100:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152010 |
| 150:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152011 |
| 200:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152012 |
| 300:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152013 |
| 400:5 | 0.3 B-0.5 | C40 | 3.0 | 755C152014 |
| 600:5 | 0.3 B-0.5 | C40 | 2.0 | 755C152015 |
| 800:5 | 0.3 B-0.5 | C40 | 1.5 | 755C152016 |
| 1000:5 | 0.3 B-0.5 | C40 | 1.2 | 755C152017 |
| 1200:5 | 0.3 B-0.5 | C40 | 1.0 | 755C152018 |

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JCK-5CER Extended Range

15 kV, 110 kV BIL



APPLICATION

Designed for outdoor service; suitable for high accuracy metering.

DIMENSIONS/WEIGHT

Height 14.55"
 Depth 12.37"
 Width 10.88"
 Weight (Approximate) 40 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

HCEP

FREQUENCY

60 Hz

JCK-5CER Data Table

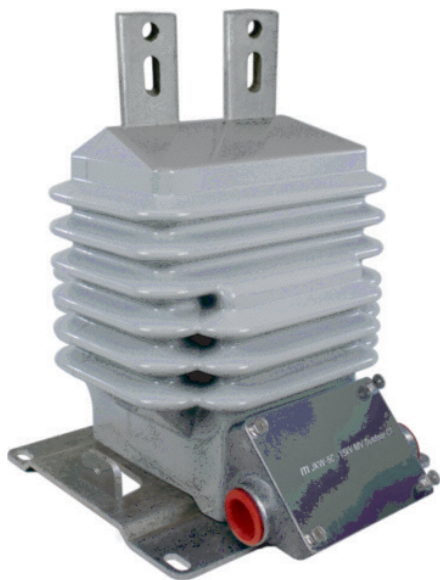
| CURRENT RATIO | IEEE ACCURACY CLASS 60 Hz BURDEN | RATING FACTOR | RATED PERFORMANCE RANGE | CATALOG NUMBER |
|---------------|-------------------------------------|---------------|----------------------------|----------------|
| 200:5 | 0.15S B1.8 | 1.5 | 2A to 300A | 755C153001 |
| 1000:5 | 0.15S B1.8 | 1.5 | 10A to 1500A | 755C153002 |

*GE Vernova Extended Range: ±0.15% Accuracy from 1% Inom through Rating Factor

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JKW-5C

15 kV, 110 kV BIL 5 to 1200 A



APPLICATION

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

DIMENSIONS/WEIGHT

Height 14.55"
 Depth 12.37"
 Width 10.88"
 Weight (Approximate) 66 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

HCEP

FREQUENCY

60 Hz

JKW-5C Data Table

| CATALOG NUMBER | CURRENT RATIO | IEEE ACCURACY CLASS 60 Hz BURDEN | | RATING FACTOR |
|---------------------|---------------|----------------------------------|---------------------|---------------|
| | | RELAY CLASS | METERING CLASS | |
| Single Ratio | | | | |
| 755C150001 | 5:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150002 | 10:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150003 | 15:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150004 | 20:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150005 | 25:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150006 | 30:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150007 | 40:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150008 | 50:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150009 | 75:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150010 | 100:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150011 | 150:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150012 | 200:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150013 | 300:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150014 | 400:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150015 | 600:5 | C200 | 0.3 B1.8 | 1.5 |
| 755C150016 | 800:5 | C200 | 0.3 B1.8 | 1.33 |
| 755C150017 | 1000:5 | C150 | 0.3 B1.8 | 1.33 |
| 755C150018 | 1200:5 | C200 | 0.3 B1.8 | 1.1 |
| Dual Ratio | | | | |
| 755C150202 | 5/10:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150204 | 10/20:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150207 | 20/40:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150208 | 25/50:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150210 | 50/100:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150211 | 75/150:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150212 | 100/200:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150213 | 150/300:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150214 | 200/400:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150215 | 300/600:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.5 |
| 755C150216 | 400/800:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.33 |
| 755C150218 | 600/1200:5 | C100 / C200 | 0.3 B0.9 / 0.3 B1.8 | 2.0 / 1.1 |

5 kV Thru 69 kV Current Transformers (Outdoor)

Model JKW-5

15 kV, 110 kV BIL, 5-1200 A



APPLICATION

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

Weight - Shipping/Net (approximate, in pounds)

Transformer 75/60

DIMENSIONS

Height 15.69"

Width 10.88"

Length 12.75"

Accessories Catalog Number

Mounting Hardware

"L" Mounting Brackets 8944634002

Channel Bracket 5466227001

Suspension Hooks 8944630001

Secondary Conduit Box 9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

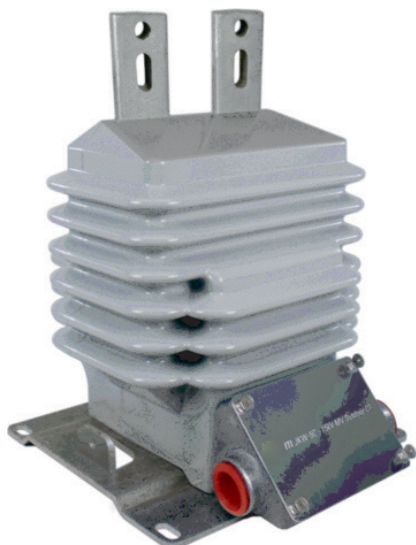
JKW-5 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. | MECHANICAL LIMIT, Amps | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|-----------------------------------|-------------------------------------|-------------|--|---------------------------|--------------------------------------|----------------|
| | METERING CLASS | RELAY CLASS | | | | |
| Single Ratio | | | | | | |
| 5:5 | 0.3 B1.8 | T200 | 1.5 | 625 | 425 | 755X050101 |
| 10:5 | 0.3 B1.8 | T200 | 1.5 | 1250 | 930 | 755X050102 |
| 15:5 | 0.3 B1.8 | T200 | 1.5 | 1875 | 1470 | 755X050103 |
| 20:5 | 0.3 B1.8 | T200 | 1.5 | 2500 | 1860 | 755X050104 |
| 25:5 | 0.3 B1.8 | T200 | 1.5 | 3125 | 2300 | 755X050105 |
| 30:5 | 0.3 B1.8 | T200 | 1.5 | 3750 | 2460 | 755X050106 |
| 40:5 | 0.3 B1.8 | T200 | 1.5 | 5000 | 3720 | 755X050107 |
| 50:5 | 0.3 B1.8 | T200 | 1.5 | 6250 | 4600 | 755X050108 |
| 75:5 | 0.3 B1.8 | T200 | 1.5 | 9375 | 6375 | 755X050109 |
| 100:5 | 0.3 B1.8 | T200 | 1.5 | 12500 | 8600 | 755X050110 |
| 150:5 | 0.3 B1.8 | T200 | 1.5 | 18750 | 12750 | 755X050111 |
| 200:5 | 0.3 B1.8 | T200 | 1.5 | 25000 | 17200 | 755X050112 |
| 300:5 | 0.3 B1.8 | T200 | 1.5 | 37500 | 25800 | 755X050114 |
| 400:5 | 0.3 B1.8 | T200 | 1.5 | 50000 | 36000 | 755X050115 |
| 600:5 | 0.3 B1.8 | T200 | 1.5 | 75000 | 51600 | 755X050117 |
| 800:5 | 0.3 B1.8 | T200 | 1.2 | 80000 | 63200 | 755X050118 |
| 1000:5 | 0.3 B1.8 | T180 | 1.0 | 100000 | 82000 | 755X050119 |
| 1200:5 | 0.3 B1.8 | T200 | 1.0 | 100000 | 82000 | 755X050120 |
| Dual-Secondary | | | | | | |
| 50/100:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 2.0 / 1.5 | 12500 / 12500 | 4300 / 8600 | 755X050124 |
| 75/150:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 2.0 / 1.5 | 18750 / 18750 | 6375 / 12750 | 755X050125 |
| 100/200:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 2.0 / 1.5 | 25000 / 25000 | 8600 / 17200 | 755X050126 |
| 150/300:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 2.0 / 1.5 | 37500 / 37500 | 12900 / 25800 | 755X050127 |
| 200/400:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 2.0 / 1.5 | 50000 / 50000 | 18000 / 36000 | 755X050128 |
| 300/600:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 2.0 / 1.5 | 75000 / 75000 | 25800 / 51600 | 755X050129 |
| 400/800:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 2.0 / 1.2 | 80000 / 80000 | 31600 / 63200 | 755X050130 |
| 600/1200:5 | 0.3 B0.9 / 0.3 B1.8 | T100 / T200 | 1.5 / 1.0 | 80000 / 80000 | 31600 / 63200 | 755X050720 |

5 kV Thru 69 kV Current Transformers (Outdoor)

Models JKW-5AC High Accuracy

15 kV, 110 kV BIL 5 to 1200 A



APPLICATION

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

DIMENSIONS/WEIGHT

Height 14.55"

Depth 12.37"

Width 10.88"

Weight (Approximate) 66 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

HCEP

FREQUENCY

60 Hz

JKW-5AC Data Table

| CATALOG NUMBER | CURRENT RATIO | IEEE ACCURACY CLASS 60 Hz BURDEN | | RATING FACTOR |
|---------------------|---------------|----------------------------------|----------------|---------------|
| | | RELAY CLASS | METERING CLASS | |
| Single Ratio | | | | |
| 755C151001 | 5:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151002 | 10:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151003 | 15:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151004 | 20:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151005 | 25:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151006 | 30:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151007 | 40:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151008 | 50:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151009 | 75:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151010 | 100:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151011 | 150:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151012 | 200:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151013 | 300:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151014 | 400:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151015 | 600:5 | C200 | 0.15 B0.9 | 1.5 |
| 755C151016 | 800:5 | C200 | 0.15 B0.9 | 1.33 |
| 755C151017 | 1000:5 | C150 | 0.15 B0.9 | 1.33 |
| 755C151018 | 1200:5 | C200 | 0.15 B0.9 | 1.1 |

5 kV Thru 69 kV Current Transformers (Outdoor)

Model JKW-5A Special High Accuracy

15 kV, 110 kV BIL



APPLICATION

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

Weight - Shipping/Net (approximate, in pounds)

Transformer 75/60

DIMENSIONS

Height 15.69"

Width 10.88"

Length 12.75"

Accessories Catalog Number

Mounting Hardware

"L" Mounting Brackets 8944634002

Channel Bracket 5466227001

Suspension Hooks 8944630001

Secondary Conduit Box 9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKW-5A Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz. BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. | MECHANICAL LIMIT; Amperes | ONE-SECOND THERMAL LIMIT, AMPERES | CATALOG NUMBER |
|-----------------------------------|---|--|------------------------------|---|----------------|
| 5:5 | 0.15S B0.5 | 1.5 | 625 | 465 | 755X053101 |
| 10:5 | 0.15S B0.5 | 1.5 | 1250 | 930 | 755X053102 |
| 15:5 | 0.15S B0.5 | 1.5 | 1875 | 1470 | 755X053103 |
| 20:5 | 0.15S B0.5 | 1.5 | 2500 | 1860 | 755X053104 |
| 25:5 | 0.15S B0.5 | 1.5 | 3125 | 2300 | 755X053105 |
| 30:5 | 0.15S B0.5 | 1.5 | 3750 | 2460 | 755X053106 |
| 40:5 | 0.15S B0.5 | 1.5 | 5000 | 3720 | 755X053107 |
| 50:5 | 0.15S B0.5 | 1.5 | 6250 | 4600 | 755X053108 |
| 75:5 | 0.15S B0.5 | 1.5 | 9375 | 6375 | 755X053109 |
| 100:5 | 0.15S B0.5 | 1.5 | 12500 | 8600 | 755X053110 |
| 150:5 | 0.15S B0.5 | 1.5 | 18750 | 12750 | 755X053111 |
| 200:5 | 0.15S B0.5 | 1.5 | 25000 | 17200 | 755X053112 |
| 300:5 | 0.15S B0.5 | 1.5 | 37500 | 25800 | 755X053114 |
| 400:5 | 0.15S B0.5 | 1.5 | 50000 | 36000 | 755X053115 |
| 600:5 | 0.15S B0.5 | 1.5 | 75000 | 51600 | 755X053117 |
| 800:5 | 0.15S B0.5 | 1.2 | 80000 | 63200 | 755X053118 |
| 1200:5 | 0.15S B0.5 | 1.0 | 100000 | 82000 | 755X053120 |

5 kV Thru 69 kV Current Transformers (Outdoor)

Model JKW-6

25 kV, 150 kV BIL, 5-1200A



APPLICATION

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

Weight - Shipping/Net (approximate, in pounds)

Transformer 95/80

DIMENSIONS

Height 15.94"

Width..... 10.88"

Length..... 12.38"

Accessories Catalog Number

Mounting Hardware:

"L" Mounting Brackets 8944634001

Auxiliary "L" Mounting Bracket..... 8944270001

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKW-6 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. | MECHANICAL LIMIT, Amps | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|--------------------------------|----------------------------------|------|-------------|---|------------------------|--------------------------------|----------------|
| | METER CLASS | | RELAY CLASS | | | | |
| | B0.1 THRU B0.9 | B1.8 | | | | | |
| Single Ratio | | | | | | | |
| 5:5 | 0.3 | --- | T100 | 3.0 | 1850 | 1000 | 756X050001 |
| 10:5 | 0.3 | --- | T100 | 3.0 | 3700 | 2000 | 756X050002 |
| 15:5 | 0.3 | --- | T100 | 3.0 | 5550 | 3000 | 756X050003 |
| 20:5 | 0.3 | --- | T100 | 3.0 | 7400 | 4000 | 756X050004 |
| 25:5 | 0.3 | --- | T100 | 3.0 | 9250 | 5000 | 756X050005 |
| 50:5 | 0.3 | --- | T100 | 3.0 | 12500 | 10000 | 756X050006 |
| 75:5 | 0.3 | --- | T100 | 3.0 | 18750 | 15000 | 756X050007 |
| 100:5 | 0.3 | --- | T100 | 3.0 | 25000 | 20000 | 756X050008 |
| 150:5 | 0.3 | --- | T100 | 3.0 | 37500 | 30000 | 756X050009 |
| 200:5 | 0.3 | --- | T100 | 3.0 | 50000 | 40000 | 756X050010 |
| 300:5 | 0.3 | --- | T100 | 2.8 | 75000 | 60000 | 756X050011 |
| 400:5 | 0.3 | --- | T100 | 2.5 | 80000 | 64000 | 756X050012 |
| 600:5 | 0.3 | --- | T100 | 2.0 | 100000 | 64000 | 756X050013 |
| 800:5 | 0.3 | --- | T100 | 1.5 | 100000 | 64000 | 756X050014 |

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. | MECHANICAL LIMIT, Amps | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|-----------------------------------|----------------------------------|------|-------------|---|------------------------|--------------------------------|----------------|
| | METER CLASS | | RELAY CLASS | | | | |
| | B0.1 THRU B0.9 | B1.8 | | | | | |
| Single Ratio | | | | | | | |
| 10:5 | 0.3 | 0.3 | T200 | 1.5 | 1850 | 1000 | 756X050022 |
| 15:5 | 0.3 | 0.3 | T200 | 1.5 | 2775 | 1500 | 756X050023 |
| 20:5 | 0.3 | 0.3 | T200 | 1.5 | 3700 | 2000 | 756X050024 |
| 25:5 | 0.3 | 0.3 | T200 | 1.5 | 4625 | 2500 | 756X050025 |
| 50:5 | 0.3 | 0.3 | T200 | 1.5 | 9250 | 5000 | 756X050026 |
| 75:5 | 0.3 | 0.3 | T200 | 1.5 | 9375 | 7500 | 756X050027 |
| 100:5 | 0.3 | 0.3 | T200 | 1.5 | 12500 | 10000 | 756X050028 |
| 150:5 | 0.3 | 0.3 | T200 | 1.5 | 18750 | 15000 | 756X050029 |
| 200:5 | 0.3 | 0.3 | T200 | 1.5 | 25000 | 20000 | 756X050030 |
| 300:5 | 0.3 | 0.3 | T200 | 1.5 | 37500 | 30000 | 756X050031 |
| 400:5 | 0.3 | 0.3 | T200 | 1.5 | 50000 | 40000 | 756X050032 |
| 600:5 | 0.3 | 0.3 | T200 | 1.5 | 75000 | 60000 | 756X050033 |
| 800:5 | 0.3 | 0.3 | T200 | 1.25 | 80000 | 64000 | 756X050034 |
| 1200:5 | 0.3 | 0.3 | T200 | 1.0 | 150000 | 120000 | 756X050035 |
| Dual-Secondary | | | | | | | |
| 10/20:5 | 0.3 | --- | T100 | 2.0 | 3700 | 1000 | 756X050041 |
| | 0.3 | 0.3 | T200 | 1.5 | 3700 | 2000 | |
| 25/50:5 | 0.3 | --- | T100 | 2.0 | 9250 | 2500 | 756X050042 |
| | 0.3 | 0.3 | T200 | 1.5 | 9250 | 5000 | |
| 50/100:5 | 0.3 | --- | T100 | 2.0 | 12500 | 5000 | 756X050043 |
| | 0.3 | 0.3 | T200 | 1.5 | 12500 | 10000 | |
| 75/150:5 | 0.3 | --- | T100 | 2.0 | 18750 | 7500 | 756X050044 |
| | 0.3 | 0.3 | T200 | 1.5 | 18750 | 15000 | |
| 100/200:5 | 0.3 | --- | T100 | 2.0 | 25000 | 10000 | 756X050045 |
| | 0.3 | 0.3 | T200 | 1.5 | 25000 | 20000 | |
| 150/300:5 | 0.3 | --- | T100 | 2.0 | 37500 | 15000 | 756X050046 |
| | 0.3 | 0.3 | T200 | 1.5 | 37500 | 30000 | |
| 200/400:5 | 0.3 | --- | T100 | 2.0 | 50000 | 20000 | 756X050047 |
| | 0.3 | 0.3 | T200 | 1.5 | 50000 | 40000 | |
| 300/600:5 | 0.3 | --- | T100 | 2.0 | 75000 | 30000 | 756X050048 |
| | 0.3 | 0.3 | T200 | 1.5 | 75000 | 60000 | |
| 400/800:5 | 0.3 | --- | T100 | 1.5 | 100000 | 40000 | 756X050049 |
| | 0.3 | 0.3 | T200 | 1.25 | 100000 | 80000 | |
| 600/1200:5 | 0.3 | --- | T100 | 1.5 | 125000 | 50000 | 756X050050 |
| | 0.3 | 0.3 | T200 | 1.25 | 125000 | 100000 | |

5 kV Thru 69 kV Current Transformers (Outdoor)

Model JKW-6A Special High Accuracy

25 kV, 150 kV BIL



APPLICATION

Designed for outdoor service; suitable for operating meters, relays and control devices. The Type JKW-6A features 0.15 accuracy from 5% of primary current through Rating Factor Amps when applied within its burden capability.

Weight - Shipping/Net (approximate, in pounds)

Transformer 90/75

DIMENSIONS

Height 15.94"

Width 10.88"

Length 12.38"

Accessories Catalog Number

Mounting Hardware:

"L" Mounting Brackets 8944634002

Channel Bracket 5466227001

Suspension Hooks 8944630001

Secondary Conduit Box 9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKW-6A Data Table

| CURRENT RATIO (Amps) PRI : SEC | IEEE ACCURACY CLASS 60 Hz. BURDEN | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. | MECHANICAL LIMIT; AMPERES | ONE-SECOND THERMAL LIMIT, AMPERES | CATALOG NUMBER |
|-----------------------------------|---|--|------------------------------|---|----------------|
| 5:5 | 0.15S B0.5 | 1.5 | 925 | 500 | 756X051021 |
| 10:5 | 0.15S B0.5 | 1.5 | 1850 | 1000 | 756X051022 |
| 15:5 | 0.15S B0.5 | 1.5 | 2775 | 1500 | 756X051023 |
| 20:5 | 0.15S B0.5 | 1.5 | 3700 | 2000 | 756X051024 |
| 25:5 | 0.15S B0.5 | 1.5 | 4625 | 2500 | 756X051025 |
| 50:5 | 0.15S B0.5 | 1.5 | 9250 | 5000 | 756X051026 |
| 75:5 | 0.15S B0.5 | 1.5 | 9375 | 7500 | 756X051027 |
| 100:5 | 0.15S B0.5 | 1.5 | 12500 | 10000 | 756X051028 |
| 155:5 | 0.15S B0.5 | 1.5 | 18750 | 15000 | 756X051029 |
| 200:5 | 0.15S B0.5 | 1.5 | 25000 | 20000 | 756X051030 |
| 300:5 | 0.15S B0.5 | 1.5 | 37500 | 30000 | 756X051031 |
| 400:5 | 0.15S B0.5 | 1.5 | 50000 | 40000 | 756X051032 |
| 600:5 | 0.15S B0.5 | 1.5 | 75000 | 60000 | 756X051033 |
| 800:5 | 0.15S B0.5 | 1.0 | 100000 | 80000 | 756X051034 |
| 1200:5 | 0.15S B0.5 | 1.0 | 150000 | 120000 | 756X051035 |

5 kV Thru 69 kV Current Transformers (Outdoor)

Model JKW-7

34.5 kV, 200 kV BIL, 10-800A



APPLICATION

Designed for outdoor service; suitable for metering applications.

Weight - Shipping/Net (approximate, in pounds)

Transformer 78/72

DIMENSIONS

Height 19.88"

Width..... 10.88"

Length.....12.75"

AccessoriesCatalog Number

Mounting Hardware:

"L" Mounting Brackets8944634002

Channel Bracket.....5466227001

Suspension Hooks 8944630

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50-60 Hz

JKW-7 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. | MECHANICAL LIMIT, Amps | ONE SECOND THERMAL LIMIT, Amps | CATALOG NUMBER |
|-----------------------------------|----------------------------------|------|------|---|---------------------------|--------------------------------------|-------------------|
| | METER CLASS | | | | | | |
| | B0.1 & B0.2 | B0.5 | B0.9 | | | | |
| Single Ratio | | | | | | | |
| 10:5 | 0.3 | 0.3 | 0.6 | 3.0 | 4000 | 2250 ① | 757X050001 |
| 15:5 | 0.3 | 0.3 | 0.6 | 3.0 | 6000 | 3375 ① | 757X050002 |
| 20:5 | 0.3 | 0.3 | 0.6 | 3.0 | 8000 | 4500 ① | 757X050003 |
| 25:5 | 0.3 | 0.3 | 0.6 | 3.0 | 10000 | 5625 ① | 757X050004 |
| 30:5 | 0.3 | 0.3 | 0.6 | 3.0 | 12000 | 6750 ① | 757X050005 |
| 40:5 | 0.3 | 0.3 | 0.6 | 3.0 | 16000 | 9000 ① | 757X050006 |
| 50:5 | 0.3 | 0.3 | 0.6 | 3.0 | 20000 | 11250 ① | 757X050007 |
| 75:5 | 0.3 | 0.3 | 0.6 | 3.0 | 24975 | 13875 ① | 757X050008 |
| 100:5 | 0.3 | 0.3 | 0.6 | 3.0 | 40000 | 22500 ① | 757X050009 |
| 150:5 | 0.3 | 0.3 | 0.6 | 3.0 | 49950 | 27750 ① | 757X050010 |
| 200:5 | 0.3 | 0.3 | 0.6 | 3.0 | 66600 | 45000 ① | 757X050011 |
| 300:5 | 0.3 | 0.3 | 0.6 | 3.0 | 100000 | 55500 ① | 757X050012 |
| 400:5 | 0.3 | 0.3 | 0.6 | 2.5 | 100000 | 56000 ① | 757X050013 |
| 600:5 | 0.3 | 0.3 | 0.6 | 2.0 | 100000 | 60000 | 757X050014 |
| 800:5 | 0.3 | 0.3 | 0.6 | 1.5 | 100000 | 60000 | 757X050015 |
| Dual-Secondary | | | | | | | |
| 10/20:5 | 0.3 | --- | --- | 3.0 | 4780 | 2250 ① | 757X050018 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 4780 | 2760 ① | |
| 15/30:5 | 0.3 | --- | --- | 3.0 | 7980 | 3375 ① | 757X050019 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 7980 | 4500 ① | |
| 20/40:5 | 0.3 | --- | --- | 3.0 | 10320 | 4500 ① | 757X050020 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 10320 | 5600 ① | |
| 25/50:5 | 0.3 | --- | --- | 3.0 | 12150 | 5625 ① | 757X050021 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 12150 | 6750 ① | |
| 50/100:5 | 0.3 | --- | --- | 3.0 | 24900 | 11250 ① | 757X050022 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 24900 | 15000 ① | |
| 75/150:5 | 0.3 | --- | --- | 3.0 | 39900 | 16875 ① | 757X050023 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 39900 | 21000 ① | |
| 100/200:5 | 0.3 | --- | --- | 3.0 | 49800 | 22500 ① | 757X050024 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 49800 | 25000 ① | |
| 150/300:5 | 0.3 | --- | --- | 3.0 | 66600 | 33750 ① | 757X050025 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 66600 | 40500 ① | |
| 200/400:5 | 0.3 | --- | --- | 3.0 | 66400 | 40000 ① | 757X050026 |
| | 0.3 | 0.3 | 0.3 | 2.0 | 66400 | 40000 ① | |
| 300/600:5 | 0.3 | --- | --- | 3.0 | 99600 | 63000 ① | 757X050027 |
| | 0.3 | 0.3 | 0.6 | 2.0 | 99600 | 63000 ① | |
| 400/800:5 | 0.3 | 0.3 | --- | 2.0 | 100000 | 64000 ① | 757X050028 |
| | 0.3 | 0.3 | 0.3 | 1.5 | 100000 | 64000 ① | |

Note

① With burden of B0.1 or greater

5 kV Thru 69 kV Current Transformers (Outdoor)

Model JKW-150 & JKW-200

25 kV to 34.5 kV, 150 kV to 200 kV BIL, 25-3000A



JKW-200 Shown



Application

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

IEEE Meter Accuracy Class, 60 Hz

B0.1 through B1.8; all models - 0.3

Contact factory for 0.15, 0.15S, and extended range options.

One-Second Thermal Overcurrent Capability

All models 75 x normal

Two-cycle Mechanical Capability

Low ratio; minimum 170 x normal

High ratio; minimum 85 x normal

Weight - Shipping/Net

(approximate, in pounds)

Transformer, JKW-150 378/323

Transformer, JKW-200 403/438

Insulation

Super-Bute

Frequency

50-60 Hz



JKW-150 & JKW-200 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. ① | CATALOG NUMBER | |
|-----------------------------------|-------------------------------------|-------------|---|----------------------------------|----------------------------------|
| | METERING CLASS | RELAY CLASS | | JKW-150 25000 V BIL 150 kV | JKW-200 34500 V BIL 200 kV |
| 25/50:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030013 | 757X030013 |
| 50/100:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030012 | 757X030012 |
| 75/150:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030011 | 757X030011 |
| 100/200:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030010 | 757X030010 |
| 150/300:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030009 | 757X030009 |
| 200/400:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030008 | 757X030008 |
| 300/600:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030007 | 757X030007 |
| 400/800:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030006 | 757X030006 |
| 500/1000:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030005 | 757X030005 |
| 600/1200:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030004 | 757X030004 |
| 800/1600:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030003 | 757X030003 |
| 1000/2000:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 756X030002 | 757X030002 |
| 1500/3000:5 | 0.3 B1.8 | T400/T800 | 1.5/1.33 | 756X030001 | 757X030001 |

Note

① First number given is for lower primary Ampere rating (tapped secondary); second number is for higher primary Ampere rating (full secondary) Single ratios available, contact factory

5 kV Thru 69 kV Current Transformers (Outdoor)

Model JKW-250 & JKW-350

46 kV to 69 kV, 250 kV to 350 kV BIL, 25-3000A



JKW-350 Shown



Application

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

IEEE Meter Accuracy Class, 60 Hz

B0.1 through B1.8; all models - 0.3

Contact factory for 0.15, 0.15S, and extended range options.

One-Second Thermal Overcurrent Capability

All models 75 x normal

Two-cycle Mechanical Capability

Low ratio; minimum 170 x normal

High ratio; minimum 85 x normal

Weight - Shipping/Net

(approximate, in pounds)

Transformer, JKW-250 633/543

Transformer, JKW-350 683/593

Insulation

Super-Bute

Frequency

50-60 Hz



JKW-250 & JKW-350 Data Table

| CURRENT RATIO (Amps) Pri : Sec | IEEE ACCURACY CLASS 60 Hz BURDEN | | CONTINUOUS THERMAL CURRENT RATING FACTOR @30°C amb. ① | CATALOG NUMBER | |
|-----------------------------------|-------------------------------------|-------------|---|----------------------------------|----------------------------------|
| | METERING CLASS | RELAY CLASS | | JKW-250 46000 V BIL 250 kV | JKW-350 69000 V BIL 350 kV |
| 25/50:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030013 | 759X030013 |
| 50/100:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030012 | 759X030012 |
| 75/150:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030011 | 759X030011 |
| 100/200:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030010 | 759X030010 |
| 150/300:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030009 | 759X030009 |
| 200/400:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030008 | 759X030008 |
| 300/600:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030007 | 759X030007 |
| 400/800:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030006 | 759X030006 |
| 500/1000:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030005 | 759X030005 |
| 600/1200:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030004 | 759X030004 |
| 800/1600:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030003 | 759X030003 |
| 1000/2000:5 | 0.3 B1.8 | T200/T400 | 2.0/1.5 | 758X030002 | 759X030002 |
| 1500/3000:5 | 0.3 B1.8 | T400/T800 | 1.5/1.33 | 758X030001 | 759X030001 |

Note

① First number given is for lower primary Ampere rating (tapped secondary); second number is for higher primary Ampere rating (full secondary) Single ratios available, contact factory

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVW-3

60 kV BIL, 2400-4800V



APPLICATION

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

THERMAL RATING (VOLT-AMPERES)

750VA @ 30°C Ambient

DIMENSIONS/WEIGHT

Height12.75"
 Width..... 10.50"
 Length.....7.56"

Weight - Shipping/Net

(approximate, in pounds)

Transformer48/44

AccessoriesCatalog Number

Mounting Hardware

"L" Mounting Brackets 8944634001

Auxiliary "L" Mounting Brackets.....8944270

Suspension Hooks 8944630

Channel Bracket.....5466227001

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

50/60 Hz

JVW-3 Data Table

| LINE-TO-LINE CIRCUIT VOLTAGE FOR PERMISSIBLE PRIMARY CONNECTION | | | TRANSFORMER RATING ① | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER |
|---|------|--------|----------------------|-------|----------------------------------|------------------------------------|----------------|
| Δ | Y | Y ONLY | PRIMARY VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE ② | |
| 2400 | 2400 | 4160 | 2400 | 20:1 | 0.3 W,X,M,Y | 0.3 W,X | 763X030001 |
| 4200 | 4200 | --- | 4200 | 35:1 | 0.3 W,X,M,Y | 0.3 W,X | 763X030002 |
| 4800 | 4800 | --- | 4800 | 40:1 | 0.3 W,X,M,Y | 0.3 W,X | 763X030003 |

Notes

① For continuous operation, the transformer-rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary-voltage rating.

② Applies to transformers connected Y-Y on a circuit in which the line-to-line voltage is the same as the transformer-rated primary voltage. In each case, the transformer is operated with reduced voltage and reduced excitation (58% of normal). In determining the accuracy classification under such conditions, the Volt-Ampere rating of the burden is maintained constant, regardless of the transformer secondary voltage.

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVW-4 & JVW-5

75 kV to 110 kV BIL, 2400-14400V



APPLICATION

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

THERMAL RATING (VOLT-AMPERES)

1500VA @ 30°C Ambient

ANSI Meter Accuracy Classification, 60 Hz

DIMENSIONS/WEIGHT

Height16.88”
 Width..... 14.25”
 Length..... 13.19”

Weight - Shipping/Net

(approximate, in pounds)

Transformer120/105

AccessoriesCatalog Number

Mounting Hardware
 “L” Mounting Brackets8944634002
 Channel Bracket.....5466227001
 Suspension Hooks 8944630001
 Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

60 Hz

JVW-4 & JVW-5 Data Table

| LINE-TO-LINE CIRCUIT VOLTAGE FOR PERMISSIBLE PRIMARY CONNECTION | | | | TRANSFORMER RATING ① | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER | | |
|---|-------|--------|-----------|----------------------|-------|----------------------------------|------------------------------------|----------------|----------------|-------------|
| | | | | | | | | JVW-4 | JVW-5 | |
| | | | | | | | | BIL 75 kV | BIL 110 kV | |
| Δ | Y | Y ONLY | GY ONLY ④ | PRIMARY VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE ② | TWO BUSHING | SINGLE BUSHING | TWO BUSHING |
| 2400 | 2400 | 4160 | --- | 2400 | 20:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | 764X030011 | --- | --- |
| 4200 | 4200 | 7280 | --- | 4200 | 35:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | 764X030012 | --- | --- |
| 4800 | 4800 | 8320 | --- | 4800 | 40:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | 764X030013 | --- | --- |
| 7200 | 7200 | --- | --- | 7200 | 60:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | 764X030014 | --- | --- |
| --- | --- | --- | 7200 ⑤ | 7200 | 60:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | --- | 765X030051 | 765X030042 |
| --- | --- | --- | 8400 ⑥ | 8400 | 70:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | --- | 765X030052 | 765X030044 |
| 12000 | 12000 | 12000 | --- | 12000 | 100:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | --- | --- | 765X030045 |
| 14400 | 14400 | 14400 | --- | 14400 | 120:1 | 0.3 W,X,M,Y,Z | 0.3 W,X,M,Y,Z | --- | --- | 765X030046 |

Notes

- ① For continuous operation, the transformer-rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary-voltage rating for two-bushing models, and 1.40 times the rating for single-bushing models.
- ② Applies to transformers connected Y-Y on a circuit in which the line-to-line voltage is the same as the transformer-rated primary voltage. In each case, the transformer is operated with reduced voltage and reduced excitation (58% of normal). In determining the accuracy classification under such conditions, the Volt-Ampere rating of the burden is maintained constant, regardless of the transformer secondary voltage.
- ④ Single-bushing design with removable grounding strap.
- ⑤ 12,470 in Y configuration.
- ⑥ 14,560 in Y configuration

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVW-110

110 kV BIL, 7200-14400V



APPLICATION

Designed for outdoor service; the Type JVW-110 is a metering voltage transformer specifically designed to meet the requirements of 15 kV outdoor metering applications.

THERMAL RATING (VOLT-AMPERES)

750VA @ 30°C Ambient

DIMENSIONS/WEIGHT

Height16.88"
 Width..... 14.50"
 Length..... 13.19"

Weight - Shipping/Net

(approximate, in pounds)

Transformer120/105

AccessoriesCatalog Number

Mounting Hardware:

"L" Mounting Brackets8944634002

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

60 Hz

JVW-110 Data Table

| LINE-TO-LINE CIRCUIT VOLTAGE FOR PERMISSIBLE PRIMARY CONNECTION | | | | TRANSFORMER RATING ^① | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER | |
|---|-------|--------|----------------------|---------------------------------|-------|----------------------------------|---|----------------|-------------|
| Δ | Y | Y ONLY | GY ONLY ^④ | PRIMARY VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE ^② | SINGLE BUSHING | TWO BUSHING |
| --- | --- | --- | 7200 ^⑤ | 7200 | 60:1 | 0.3 W,X,M,Y | 0.3 W,X,M,Y | 765X031115 | 765X031111 |
| --- | --- | --- | 8400 ^⑤ | 8400 | 70:1 | 0.3 W,X,M,Y | 0.3 W,X,M,Y | 765X031116 | 765X031112 |
| 12000 | 12000 | 12000 | --- | 12000 | 100:1 | 0.3 W,X,M,Y | 0.3 W,X,M,Y | --- | 765X031113 |
| 14400 | 14400 | 14400 | --- | 14400 | 120:1 | 0.3 W,X,M,Y | 0.3 W,X,M,Y | --- | 765X031114 |

Notes

- ① For continuous operation, the transformer-rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary-voltage rating for two-bushing models, and 1.40 times the rating for single-bushing models.
- ② Applies to transformers connected Y-Y on a circuit in which the line-to-line voltage is the same as the transformer-rated primary voltage. In each case, the transformer is operated with reduced voltage and reduced excitation (58% of normal). In determining the accuracy classification under such conditions, the Volt-Ampere rating of the burden is maintained constant, regardless of the transformer secondary voltage.
- ④ Single-bushing design with removable grounding strap.
- ⑤ 12,470 in Y configuration.
- ⑥ 14,560 in Y configuration

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JWV-110C

110 kV BIL, 7200-14400 V



APPLICATION

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

THERMAL RATING (VOLT-AMPERES)

1000VA @ 30°C Ambient

DIMENSIONS/WEIGHT

Height 16.34"
 Depth 13.60"
 Width..... 11.50"
 Weight (Approximate).....62 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

HCEP

FREQUENCY

60 Hz

JWV-110C Data Table

| RATED PRIMARY VOLTAGE | RATIO | IEEE ACCURACY CLASS 60 Hz BURDEN | RATED VOLTAGE FACTOR | THERMAL RATING (VA @ 30°C. amb.) | CATALOG NUMBER |
|-----------------------------|--------|-------------------------------------|----------------------|-------------------------------------|----------------|
| | | METERING CLASS | | | |
| Single Bushing Style | | | | | |
| 7200/12470GY | 60:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131101 |
| 7620/13200GY | 63.5:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131102 |
| 8400/14560GY | 70:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131103 |
| Double Bushing Style | | | | | |
| 7200/12470Y | 60:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131201 |
| 7620/13200Y | 63.5:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131202 |
| 8400/14560Y | 70:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131203 |
| 12000/12000Y | 100:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131204 |
| 13200/13200Y | 110:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131205 |
| 14400/14400Y | 120:1 | 0.3 W,X,M,Y | 1.1 | 1000 | 765C131206 |

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JWV-5C

110 kV BIL, 7200-14400 V



APPLICATION

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

THERMAL RATING (VOLT-AMPERES)

1500VA @ 30°C Ambient

DIMENSIONS/WEIGHT

Height15.65"
 Depth 13.36"
 Width..... 11.50"
 Weight (Approximate).....80 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

HCEP

FREQUENCY

60 Hz

JWV-5C Data Table

| RATED PRIMARY VOLTAGE | RATIO | IEEE ACCURACY CLASS 60 Hz BURDEN | RATED VOLTAGE FACTOR | THERMAL RATING (VA @ 30°C. amb.) | CATALOG NUMBER |
|-----------------------------|--------|-------------------------------------|----------------------|-------------------------------------|----------------|
| | | METERING CLASS | | | |
| Single Bushing Style | | | | | |
| 7200/12470GY | 60:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130101 |
| 7620/13200GY | 63.5:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130102 |
| 8400/14560GY | 70:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130103 |
| 12000/12000Y | 100:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130104 |
| 13200/13200Y | 110:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130105 |
| 14400/14400Y | 120:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130106 |
| Double Bushing Style | | | | | |
| 7200/12470Y | 60:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130201 |
| 7620/13200Y | 63.5:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130202 |
| 8400/14560Y | 70:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130203 |
| 12000/12000Y | 100:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130204 |
| 13200/13200Y | 110:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130205 |
| 14400/14400Y | 120:1 | 0.3 W,X,M,Y,Z | 1.1 | 1500 | 765C130206 |

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVW-4A/JVW-5A High Accuracy

75-110 kV BIL



APPLICATION

Designed for outdoor service; suitable for operating meters, instruments, relays, and control devices. These transformers have 0.15 accuracy when operated within ± 10 percent of rated voltage within their burden capability.

THERMAL RATING (VOLT-AMPERES)

2000VA @ 30°C Ambient

DIMENSIONS/WEIGHT

Height16.88"

Width..... 14.25"

Length..... 13.19"

Weight (Approximate).....120/105 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

Hy-Bute-60

FREQUENCY

60 Hz

JVW-4A/JVW-5A Data Table

| LINE-TO-LINE CIRCUIT VOLTAGE FOR PERMISSIBLE PRIMARY CONNECTION | | | IEEE ACCURACY CLASS 60 Hz BURDEN | TRANSFORMER RATING ¹ | | CATALOG NUMBER | | |
|---|-------|--------|-------------------------------------|---------------------------------|--------|-----------------------------------|------------------------------------|-------------------|
| | | | | | | JVW-4 A | | JVW-5 A |
| Δ | Y | Y ONLY | METERING CLASS | PRIMARY VOLTAGE | RATIO | BIL 75 kV SINGLE-BUSHING MODEL | BIL 110 kV SINGLE-BUSHING MODEL | TWO-BUSHING MODEL |
| 2400 | 2400 | 4160 | 0.15 W,X,M,Y | 2400 | 20:1 | 764X031011 | -- | -- |
| 4200 | 4200 | 7280 | 0.15 W,X,M,Y | 4200 | 35:1 | 764X031012 | -- | -- |
| 4800 | 4800 | 8320 | 0.15 W,X,M,Y | 4800 | 40:1 | 764X031013 | -- | 765X032041 |
| 7200 | 7200 | -- | 0.15 W,X,M,Y | 7200 | 60:1 | 764X031014 | -- | -- |
| 7200 | 7200 | 12470 | 0.15 W,X,M,Y | 7200 | 60:1 | -- | 765X032051 | 765X032042 |
| 7620 | 7620 | 13200 | 0.15 W,X,M,Y | 7620 | 63:5:1 | -- | -- | 765X032043 |
| 8400 | 8400 | 14550 | 0.15 W,X,M,Y | 8400 | 70:1 | -- | 765X032052 | 765X032044 |
| -- | -- | 12000 | 0.15 W,X,M,Y | 12000 | 100:1 | -- | -- | 765X032045 |
| 14400 | 14400 | 14400 | 0.15 W,X,M,Y | -- | 120:1 | -- | -- | 765X032046 |

Note

¹ For continuous operation, the transformer-rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary-voltage rating for two-bushing models, and 1.40 times the rating for single-bushing models.

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JWV-5AC High Accuracy

110 kV BIL, 7200-14400 V



APPLICATION

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

THERMAL RATING (VOLT-AMPERES)

1500VA @ 30°C Ambient

DIMENSIONS/WEIGHT

Height15.65"
 Depth 13.36"
 Width..... 11.50"
 Weight (Approximate).....80 lbs

INSULATION LEVEL

15.5 kV; BIL: 110 kV per C57.13

INSULATION

HCEP

FREQUENCY

60 Hz

JWV-5AC Data Table

| RATED PRIMARY VOLTAGE | RATIO | IEEE ACCURACY CLASS 60 Hz BURDEN | RATED VOLTAGE FACTOR | THERMAL RATING (VA @ 30°C. Amb) | CATALOG NUMBER |
|-----------------------------|--------|-------------------------------------|----------------------|------------------------------------|----------------|
| | | METERING CLASS | | | |
| Single Bushing Style | | | | | |
| 7200/12470GY | 60:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132101 |
| 7620/13200GY | 63.5:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132102 |
| 8400/14560GY | 70:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132103 |
| 12000/12000Y | 100:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132104 |
| 13200/13200Y | 110:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132105 |
| 14400/14400Y | 120:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132106 |
| Double Bushing Style | | | | | |
| 7200/12470Y | 60:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132201 |
| 7620/13200Y | 63.5:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132202 |
| 8400/14560Y | 70:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132203 |
| 12000/12000Y | 100:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132204 |
| 13200/13200Y | 110:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132205 |
| 14400/14400Y | 120:1 | 0.15 W,X,M,Y | 1.1 | 1500 | 765C132206 |

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVW-6

125-150 kV BIL, 12000-24000 V



APPLICATION

Designed for outdoor service; the Type JVW-6 is a metering voltage transformer specifically designed to meet the requirements of 25 kV outdoor metering applications.

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient750

DIMENSIONS/WEIGHT

Height 18.25"

Width..... 14.50"

Length..... 13.19"

Weight - Shipping/Net

(approximate, in pounds)

Transformer120/105

AccessoriesCatalog Number

Mounting Hardware:

"L" Mounting Brackets8944634002

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689897001

INSULATION

Hy-Bute-60

FREQUENCY

60 Hz

JVW-6 Data Table

| TRANSFORMER RATING | | IEEE ACCURACY CLASS 60 Hz BURDEN | CATALOG NUMBER | |
|---|----------|-------------------------------------|----------------|------------|
| RATED PRIMARY VOLTAGE | RATIO | | 125 kV BIL | 150 kV BIL |
| Single Bushing Style¹ | | | | |
| 12000/20780GY | 100:1 | 0.3 W, X, M, Y | 766X031001 | 766X035001 |
| 14400/24940GY | 120:1 | 0.3 W, X, M, Y | 766X031002 | 766X035002 |
| Double Bushing Style² | | | | |
| 12000/20780Y | 100:1 | 0.3 W, X, M, Y | 766X031708 | -- |
| 14400/24940Y | 120:1 | 0.3 W, X, M, Y | 766X031006 | -- |
| 18000/18000Y | 150:1 | 0.3 W, X, M, Y | 766X031003 | -- |
| 24000/24000Y | 200:1 | 0.3 W, X, M, Y | 766X031004 | -- |
| Double Bushing, Dual Ratio | | | | |
| 14400/24940Y ³ | 60/120:1 | 0.3Y / 0.3M | 766X031013 | -- |

Notes:

- (1) Single bushing transformers are suitable for application to grounded systems, for operation line-to-ground only. They will operate without damage connected line-to-ground at 1.40 times the transformer-rated voltage for one minute. If it should become necessary to apply these grounded wye voltage transformers to an ungrounded system, refer to the nearest General Electric Sales Office for a system analysis study.
- (2) Double bushing transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral at reduced voltage (58% of rated voltage). Contact GE Vernova Vernova for accuracy rating detail at 58% of rated voltage.
- (3) Can operate as 14400/24940Y when using full secondary or 7200/12470Y when using tap

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVW-150

150 kV BIL, 12000-24000 V



APPLICATION

Designed for outdoor service; the Type JVW-150 is a metering voltage transformer specifically designed to meet the requirements of 25 kV outdoor metering applications.

THERMAL RATING (VOLT-AMPERES)

55°C Rise above 30°C Ambient750

DIMENSIONS/WEIGHT

Height 19.00"
 Width..... 14.88"
 Length..... 17.88"

Weight - Shipping/Net

(approximate, in pounds)

Transformer155/140

Accessories Catalog Number

Mounting Hardware:

“L” Mounting Brackets8944634002

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689970001

INSULATION

Hy-Bute-60

FREQUENCY

60 Hz

JVW-150 Data Table

| LINE-TO-LINE CIRCUIT VOLTAGE FOR PERMISSIBLE PRIMARY CONNECTION | | | | TRANSFORMER RATING ① | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER |
|---|---------|---------|-----------|----------------------|-------|----------------------------------|------------------------------------|----------------|
| Δ | Y | Y ONLY | GY ONLY ① | PRIMARY VOLTAGE | RATIO | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE ② | TWO BUSHING |
| --- | --- | --- | 12000 ④ | 12000 | 100:1 | 0.3 W, X, M, Y | 0.3 W, X; 1.2 M, Y | --- |
| --- | --- | --- | 14400 ⑤ | 14400 | 120:1 | 0.3 W, X, M, Y | 0.3 W, X; 1.2 M, Y | 766X034006 |
| 18000 ② | 18000 ② | 18000 ② | --- | 18000 | 150:1 | 0.3 W, X, M, Y | 0.3 W, X; 1.2 M, Y | 766X034003 |
| 24000 ② | 24000 ② | 24000 ② | --- | 24000 | 200:1 | 0.3 W, X, M, Y | 0.3 W, X; 1.2 M, Y | 766X034004 |

Notes:

① These single bushing transformers are suitable for application to grounded systems, for operation line-to-ground only. They will operate without damage connected line-to-ground at 1.40 times the transformer-rated voltage for one minute. If it should become necessary to apply these grounded wye voltage transformers to an ungrounded system, refer to the nearest General Electric Sales Office for a system analysis study.

② These two-bushing transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral at reduced voltage (58% of rated voltage).

④ 20,780 in Y configuration.

⑤ 24,940 in Y configuration.

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVW-7

150-200 kV BIL, 20125-34500 V



Application

Designed for outdoor service; the Type JVW-7 is a metering voltage transformer specifically designed to meet the requirements of outdoor metering applications.

Thermal Rating (Volt-Amperes)

750VA @ 30°C Ambient

Dimensions/Weight

Height 19.00"
 Width..... 14.88"
 Length..... 17.88"

Weight - Shipping/Net

(approximate, in pounds)

Transformer155/140

Accessories Catalog Number

Mounting Hardware:

"L" Mounting Brackets8944634002

Channel Bracket.....5466227001

Suspension Hooks 8944630001

Secondary Conduit Box.....9689897001

Insulation

Hy-Bute-60

Frequency

60 Hz

JVW-7 Data Table

| LINE-TO-LINE CIRCUIT VOLTAGE FOR PERMISSIBLE PRIMARY CONNECTION | | | | TRANSFORMER RATING ① | | | IEEE ACCURACY CLASS 60 Hz BURDEN | | CATALOG NUMBER |
|---|---------|--------|-----------|----------------------|-------------|----------|----------------------------------|----------------------------------|----------------|
| Δ | Y | Y ONLY | GY ONLY ① | PRIMARY VOLTAGE | RATIO | BIL (kV) | OPERATED AT RATED VOLTAGE | OPERATED AT 58% OF RATED VOLTAGE | |
| Single Bushing | | | | | | | | | |
| --- | --- | --- | 34500 | 20125 | 175:1 | 200 | 0.3 W,X,M,Y | --- | 767X031001 |
| --- | --- | --- | 34500 | 20125 | 175/300:1 | 200 | 0.3 W,X,M,Y | --- | 767X031011 |
| --- | --- | --- | 34500 | 20125 | 175 & 300:1 | 200 | 0.3 W,X,M,Y | --- | 767X031012 |
| Two Bushing | | | | | | | | | |
| 27600 ② | 27600 ② | --- | --- | 27600 | 240:1 | 150 | 0.3 W,X,M,Y | 0.3 W,X; 1.2 M,Y | 767X031002 |
| 34500 ② | 34500 ② | --- | --- | 34500 | 300:1 | 150 | 0.3 W,X,M,Y | 0.3 W,X; 1.2 M,Y | 767X031003 |
| 23000 ② | 23000 ② | --- | --- | 23000 | 200:1 | 150 | 0.3 W,X,M,Y | 0.3 W,X; 1.2 M,Y | 767X031004 |
| 27600 ② | 27600 ② | --- | --- | 27600 | 240 & 240:1 | 150 | 0.3 W,X,M,Y | 0.3 W,X; 1.2 M,Y | 767X031005 |
| 34500 ② | 34500 ② | --- | --- | 34500 | 300 & 300:1 | 150 | 0.3 W,X,M,Y | 0.3 W,X; 1.2 M,Y | 767X031006 |
| 23000 ② | 23000 ② | --- | --- | 23000 | 200 & 200:1 | 150 | 0.3 W,X,M,Y | 0.3 W,X; 1.2 M,Y | 767X031007 |

Notes:

- ① These single bushing transformers are suitable for application to grounded systems, for operation line-to-ground only. They will operate without damage connected line-to-ground at 1.40 times the transformer-rated voltage for one minute. If it should become necessary to apply these grounded wye voltage transformers to an ungrounded system, refer to the nearest GE Vernova Sales Office for a system analysis study.
- ② These two-bushing transformers are designed for operation line-to-line. They may also be operated line-to-ground or line-to-neutral at reduced voltage (58% of rated voltage).

5 kV Thru 69 kV Voltage Transformers (Outdoor)

Models JVS & JVT

150-350 kV BIL, 24000-69000 V



JVS-200



Application

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

Dimensions & Outline

Superbute™ units are up to 30% lower profile than oil-filled designs, yet even with less height, units come standard with creepage distance which exceeds leading oil-filled designs. This allows standard units to be used in environmentally severe and high altitude applications (10,000ft).

| BIL (kV) | Superbute Creepage™ Distance |
|----------------|------------------------------|
| 150 | 26" |
| 200 | 35" |
| 250 | 48" |
| 350 | 64" |

Contact factory for outline drawings.

Insulation

Super-Bute

Frequency

60 Hz



JVT-350



JVS-350



JVS & JVT Data Table

| MODEL | BIL (kV) | RATED PRIMARY VOLTAGE | NOMINAL SYSTEM VOLTAGE | RATIO (Pri:Sec) | THERMAL RATING 30°C amb. | APPROX. WEIGHT (lb.) | IEEE ACCURACY CLASS, 60 Hz ⁵ | CATALOG NUMBER ⁶ |
|--|----------|-----------------------|------------------------|---------------------|--------------------------|----------------------|---|-----------------------------|
| | | | | | | (SHIP/NET) | | |
| Single Bushing, JVS (for line-to-ground connection, only)¹ | | | | | | | | |
| JVS-150 | 150 | 14400 | 24000 | 120/200 & 120/200:1 | 3000VA | 270/230 | 0.3 ZZ | 766×030002 |
| JVS-200 | 200 | 20125 | 34500 | 175/300 & 175/300:1 | 3000VA | 280/240 | 0.3 ZZ | 767×030002 |
| JVS-250 | 250 | 27600 | 46000 | 240/400 & 240/400:1 | 5000VA ³ | 480/420 | 0.3 ZZ | 768×030002 |
| JVS-350 | 350 | 40250 | 69000 | 350/600 & 350/600:1 | 5000VA ³ | 490/430 | 0.3 ZZ | 769×030002 |
| Two Bushing, JVT (for line-to-line connection)² | | | | | | | | |
| JVT-150 | 150 | 24000 | 24000 | 200 & 200:1 | 3000VA ⁴ | 265/225 | 0.3 ZZ | 766×030001 |
| JVT-200 | 200 | 34500 | 34500 | 300 & 300:1 | 3000VA ⁴ | 275/235 | 0.3 ZZ | 767×030001 |
| JVT-250 | 250 | 46000 | 46000 | 400:1 | 4500VA | 580/520 | 0.3 ZZ | 768×030001 |
| JVT-350 | 350 | 69000 | 69000 | 600:1 | 4500VA | 620/560 | 0.3 ZZ | 769×030001 |

Notes:

- (1) Designed for operation line-to-ground only, on grounded systems. If it should become necessary to apply to systems which are ungrounded or provided through high impedance, contact GE Vernova for analysis. These voltage transformers are capable of operating at 173% of rated voltage for one minute without exceeding 175degC temperature rise.
- (2) Designed for operation line-to-line. May also be operated line-to-ground or line-to-neutral at reduced voltage (58% of rated voltage). Contact GE Vernova for reduced voltage accuracy rating.
- (3) To achieve 5000VA when using a 67.08 volt tap, loading must not exceed 3000VA on the 67.08 volt tap. If all load is on one 67.08 volt tap, thermal rating is 4000VA.
- (4) With both secondary windings in parallel. When windings are used separately, the rating is 1500VA per winding. If only one winding is used separately, the rating is 2000VA.
- (5) High Accuracy class (0.15) available, contact factory.
- (6) Other ratios available, contact factory.

Overhead Primary Metering Assembly



APPLICATION

Designed for outdoor service for three phase, pole mounted, primary metering

INSULATION

Dry Type, Hydrophobic Cycloaliphatic Epoxy (HCEP) or Hy-Bute-60
60 kV – 200 kV BIL available

FREQUENCY

60 Hz

CONFIGURATIONS

Three-phase, Four-wire

3 CT & 3 VT

3 CT & 2 VT

Three-phase, Three-wire

2 CT & 2 VT

Single-phase

1 CT & 1VT

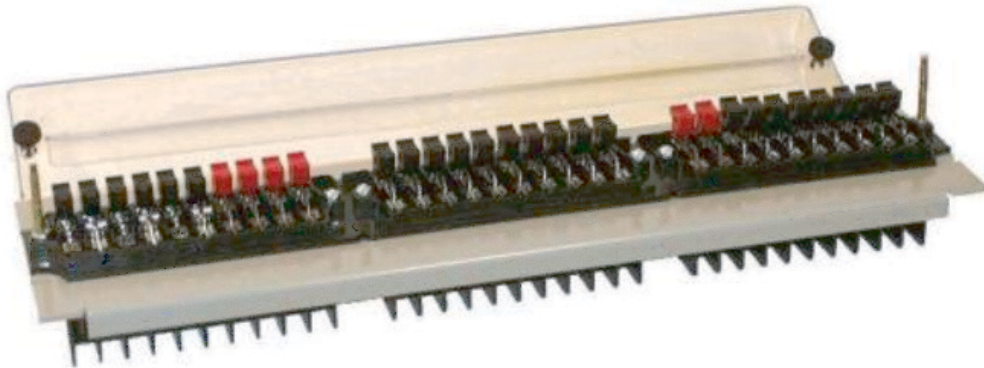
Overhead Primary Metering Table

| OPMA RATING | VT TYPES AVAILABLE | CT TYPES AVAILABLE |
|-------------|-------------------------------|---------------------------|
| 5 | JVW-3/JVW-4 | JCK-3/JCK-4/JKW-3/JKW-4 |
| 15 | JVW-110/JVW-110C/JVW-5/JVW-5C | JCK-5/JCK-5C/JKW-5/JKW-5C |
| 25 | JVW-6/JVW-150 | JKW-6 |
| 34.5 | JVW-7 | JKW-7 |

Contact factory for more information. High Accuracy options available upon request

Test Switch

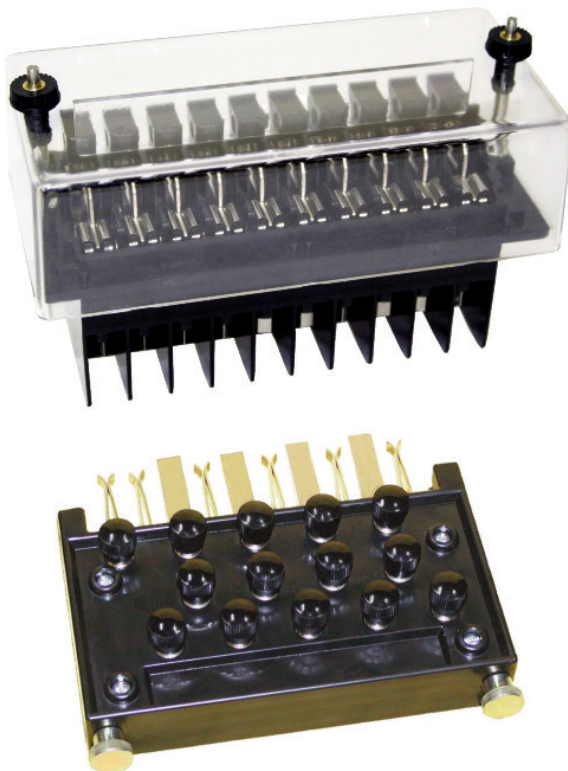
Series RT Rack Mounted Test Switches



Up to three Series FT switches mounted on various size 19" wide panels. Individual & single clear/black cover options. Panels available in choice of colors and materials, typically rack mounted in relay panels. UL & cUL listed.

For more information on Accessories see details at <https://www.gevernova.com/iti>

Series FT Test Switches & Test Plugs



An industry standard for CT & VT isolation for instrument transformer and connected device testing.

Up to 10 poles; Numerous configurations available.

Typically mounted on switchgear and relaypanels.

10 pole test plug available

UL and cUL listed

Rated 600 volts and 30 amps continuous.

Clear & black cover options

Refer to Online Switch Configurator <https://www.gevernova.com/iti> (Configure A FT Switch)

Accessories

SB Control & Transfer Switches

SB Control and Transfer Switches

Compact, positive acting switches for control and transfer service on panels and switchboards.

600 VAC, 20A (250 A fro 3.5)

Compact design

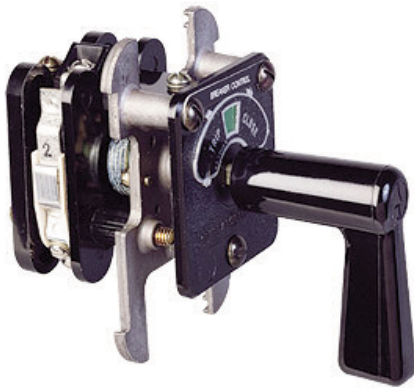
Rotary operation

Lateral push/pull operation available

Select panel thickness

Select number of stages

UL & cUL recognized



SB-1

SB-9

Power plants, steel mills, petroleum/chemical plants, heavy industries

Repetitive positive positioning operation (thousands/week)

More positive positioning than SB-1

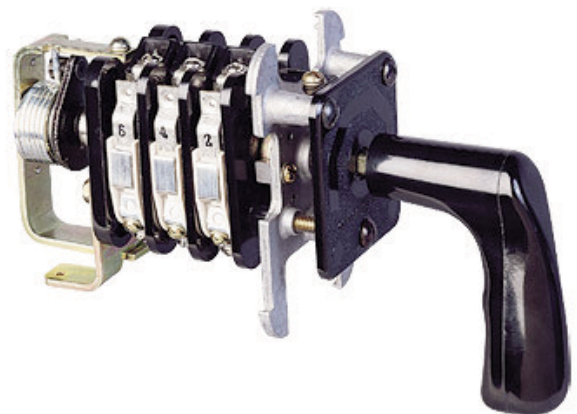
Better insulation to ground than SB-1

More substantial bearings than SB-1

Control of electrically operated circuit breakers, valves, motors, etc.

Transfer current and potential to instrument relays

Lateral action eliminates second separate switch



SB-9

SB-1

Control of electrically operated circuit breakers, valves, motors etc...

Transfer current and potential to instruments and relays

Standard mounts on panels up to 3/16" (up to 2" available)

Up to 16 stages (32 contacts)

Tandem mechanisms available

Silver to silver positive wiping action contracts

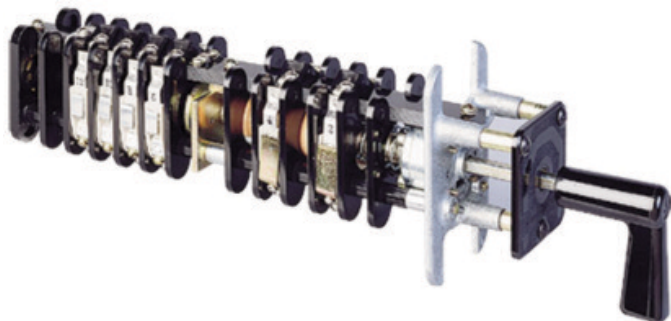
Palladium contacts for low level instrument circuits available

Up to 12 positions, 360° rotation

Maintained or spring return action

Accessories

SB Control & Transfer Switches



SB-10

SB-10

Control of electrically operated circuit breakers, valves, motors, etc.

Transfer current and potential to instrument relays

Lateral action eliminates second separate switch

2 electrically separate & mechanically independent switches in one device

Up to 12 stages (24 contacts) of rotary contacts (includes lateral and rotary)

Up to 4 stages (8 contacts) of lateral contacts (in-out action)

Lateral action interlock with rotary position available

Tandem mechanisms available

SBM

Limited space applications

Control of electrically operated circuit breakers, valves, motors, etc.

Transfer current and potential to instrument relays

Standard mounts on panels up to 1/4" (up to 1.5" available)

Up to 10 stages (20 contacts)

Double surface cams (one cam per contact)

Electrically separate and mechanically independent double-break contacts



SBM

Accessories

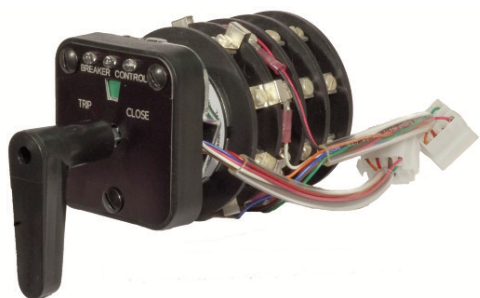
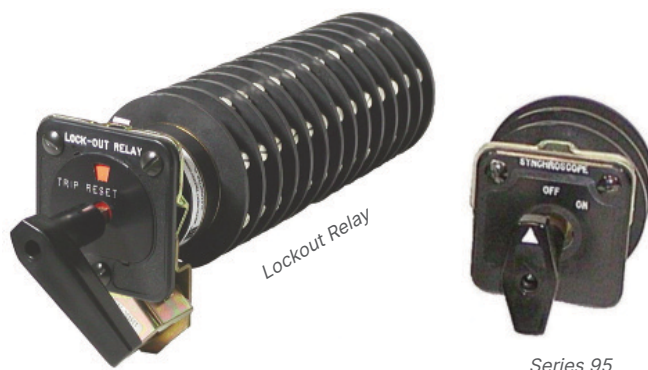
Series 95 Selector Switches & Lockout Relays

Heavy industrial construction

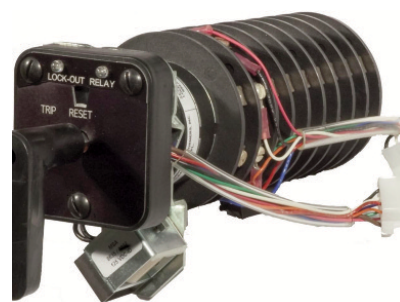
Rotary/Double wiping knife blade design 600 VAC, 30 amp continuous

UL/ cUL recognized.

Typically used in low & medium voltage switchgear, MCC's, and relay and control panels. Now available with LED lighted escutcheon plates. Available with 1, 2, or 3 replaceable LEDs Flexibility for LEDs to be wired to any desired event Integrated LOR coil monitoring with LEDs and SCADA feedback eliminates the installation of indicating lamps – saving panel space LED indication of existing fault signal on LOR



New Series 95 LED w/Lighted LED Escutcheon Plates



New LED Lockout Relay

Multi Contact Auxiliary Relays

HSA Multi-contact Auxiliary

Multi-contact hand reset relay to perform auxiliary functions on AC and DC circuits

Contact multiplication

Trip and/or block close circuit breaker control

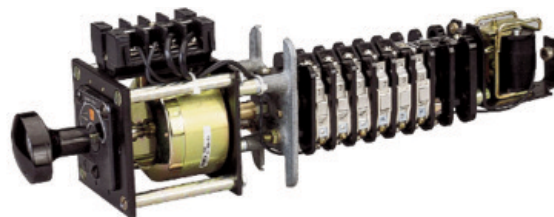
Electrically separate contact outputs available in 9, 13, or 19

Universal target dropping

Mechanical target

High seismic capability

600 VAC, 20A



HSA



HEA

HEA Multi-contact Auxiliary

Multi-contact hand reset relay to perform auxiliary functions on AC and DC circuits

Contact multiplication

Trip and/or block close circuit breaker control

Electrically separate contact outputs available in 6, 10, or 16

Locks equipment out of service

600 VAC, 20A

Accessories

ET-16/17 Indicating Lamps



The ET-16 (Incandescent) and ET-17 (Neon) indicating lamps are designed for application on switchboard panels up to and including 1/4-inch thickness. The lamps economize on space and permit easy replacement of bulb and resistor.

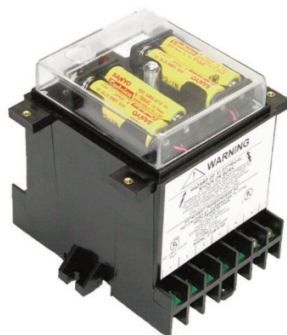
- Simple "push-twist" type plug
- GE Vernova extra-long-life bulbs
- Caps are available in various colors

ET-16 Light Emitting Diodes



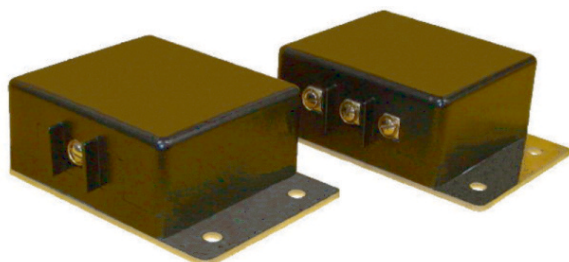
The ET-16 Light Emitting Diodes (LED's) are designed for application on control panels up to and including a 1/4 inch thickness. This assembly economizes on space and permits ease of replacement for bulbs and resistors.

Capacitor Trip Devices



Provide a temporary source of energy for circuit breaker or switch trip coil operation during a loss of AC control power. Battery backup model available.

Open Circuit Protectors



Connect across CT secondary terminals to prevent inadvertent open circuit conditions. C100 to C800. Single and three element options available.

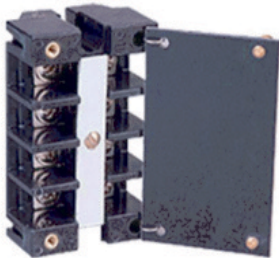
Accessories

EB-1/2/4 Terminal Boards



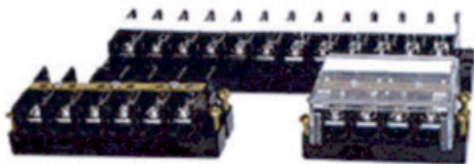
The EB-1 is a one piece molded terminal board, equipped with binding screws for circuit wire connections and a white marking strip for circuit identification. The EB-2 includes clamp (pressure) type connectors for circuit wire connections. Both the EB-1 and EB-2 will accommodate wires up to and including Number 4.

EB-25/26/27 Terminal Boards



The EB-25, -26, and -27 terminal blocks are molded one piece design available in 4, 6, and 12 points and are furnished with washer-less head binding screws (#10-32) for circuit wire connections. The blocks are supplied with a black marking strip with white numbers on one side, and white unmarked on the reverse side for circuit identification.

IKU Terminal Blocks



Applications: Control and power wire termination. Short circuiting versions for meter servicing, CT tap changing, etc.

Rating: 600 VAC, 50 A

Wire range: 18-10 AWG

References

Definitions And Functions

The name instrument transformer is a general classification applied to current and voltage devices used to change currents and voltages from one magnitude to another or to perform an isolating function, that is, to isolate (or insulate) the utilization current or voltage from the supply voltage for safety to both the operator and the end device in use. Instrument transformers are designed specifically for use with electrical equipment falling into the broad category of devices commonly called instruments such as voltmeters, ammeters, wattmeters, watt-hour meters, protection relays, etc.

Figure 1 below shows some of the most basic uses for instrument transformers. Voltage transformers are most commonly used to lower the high line voltages down to 120 volts on the secondary to be connected to a voltmeter, watt-hour meter, or protection relay. Similarly, current transformers take a high current and reduce it to 5 amps on the secondary winding so that it can be used with a watt-hour meter, ammeter, or protection relay.

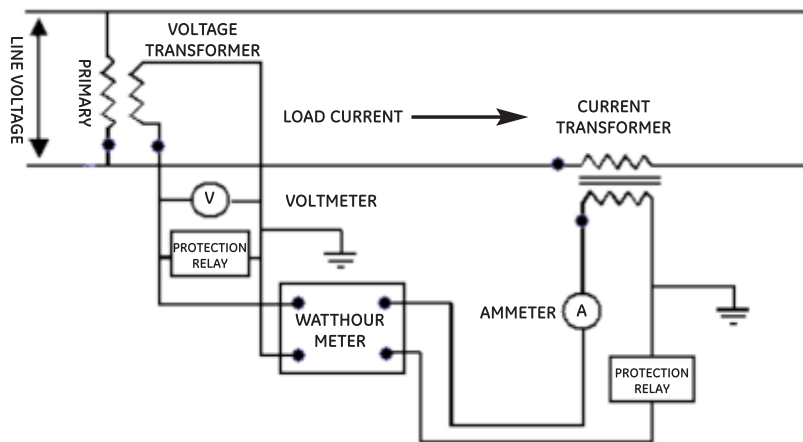
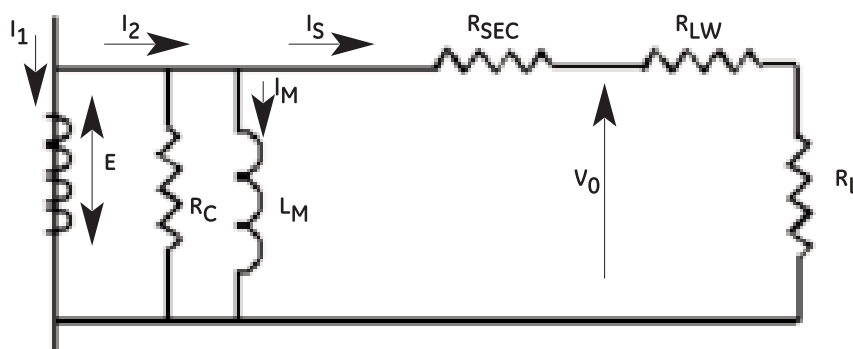


Figure 1

Equivalent Circuit



$$I_2 = I_s + I_M$$

I_1 = Primary Current

I_2 = Secondary Current for ideal transformer

I_s = Secondary Current seen on transformer

I_M = Magnetization Current

E = Induced Electromotive Force

V_0 = Secondary Voltage

L_M = Magnetizing Inductance

R_C = Core Loss

R_{SEC} = Resistance of secondary

R_{LW} = Resistance of lead wire

R_L = Resistance of load

References

Lead Wire & Resistance Table

Solid Conductors

| SIZE (AWG) | DC RESISTANCE AT 75 DEGREES C (ohm/kFT) |
|------------|---|
| 18 | 7.77 |
| 16 | 4.89 |
| 14 | 3.07 |
| 12 | 1.93 |
| 10 | 1.21 |
| 8 | 0.764 |

Stranded Conductors

| SIZE (AWG) | DC RESISTANCE AT 75 DEGREES C (ohm/kFT) |
|------------|---|
| 18 | 7.95 |
| 16 | 4.99 |
| 14 | 3.14 |
| 12 | 1.98 |
| 10 | 1.24 |
| 8 | 0.778 |
| 6 | 0.491 |

Insulated Conductors

| SIZE (THHN) | DC RESISTANCE AT 75 DEGREES C (ohm/kFT) |
|-------------|---|
| 14 | 0.111 |
| 12 | 0.13 |
| 10 | 0.164 |
| 8 | 0.216 |
| 6 | 0.254 |

CT Selection - What To Know Before Ordering

| | | |
|----------|------------------------------|---|
| B | Burden | Load on the secondary side of the transformer (lead wire, meters etc.) See Burden table for different values |
| R | Ratio | Input/Output, Voltage or Current. Normal output values for CTs is 5 amps, and 120Vs for VTs. For multi ratio units a forward slash indicates the added ratio, for example: 1000/2000:5. |
| A | Accuracy | Measure of how closely the secondary output matches the primary input. % allowable variance from an ideal transformer (0.3,0.6, 1.2%). Measurement for revenue requires a +/- 0.3% Accuracy. Standard Accuracy of 0.3 signifies 0.3% accuracy from 100% of rated current to the extended range of the rating factor and 0.6% accuracy down to 10% of rated current. |
| V | Voltage Class | Insulation Level of the CT (600 V thru 35 kV) |
| E | Etc. (Window Size, Mounting) | Misc. items such as window size, mounting brackets to be specified |
| R | Rating Factor | The amount by which the primary load current may be increased over its nameplate rating without exceeding the allowable temperature rise. Standard Rating Factors (RF) are 1.0, 1.33, 1.5, 2, 3, 4. Typical maximum temperature rise is 55 degrees C over a 30 degree C ambient temperature |

References

Instrument Transformers - Rules Of Thumb

- Never open circuit a current transformer secondary while the primary is energized.
- Never short circuit the secondary of an energized VT.
- Metering applications do not require a "C" class CT.
- CT secondary leads must be added to the CT burden.
- Never use a 60 Hz rated VT on a 50 Hz System.
- Exercise caution when connecting grounded VTs to ungrounded systems.

Utility Cross Reference Guide

Voltage Transformers Indoor Type

| TRANSFORMER CLASS | GE-ITI | ABB | ASSOCIATED | ASTRA | ITRON |
|-------------------|--------|--------|------------|-------|-------|
| 1500 VA | JVM-5C | VIZ-11 | N/A | N/A | N/A |
| 750 VA | JVM-3C | VIY-60 | N/A | N/A | N/A |
| 750 VA | JVM-0C | N/A | N/A | DA | T7R |
| 500 VA | JVA-0C | PPM | CL-707 | DB | T6R |
| 300 VA | JEV-0C | PPW | N/A | DF | T5R |

Voltage Transformers Outdoor Type

| TRANSFORMER CLASS | GE-ITI | ABB | AREVA / RITZ | KUHLMAN |
|-------------------|----------------------------------|---------------------------------|------------------|-------------------------------|
| 15 kV | JVW-5C, JVW-110C, JVW-5, JVW-110 | VOZ-75, 11, 11M, VOY-11, VOG-11 | VZF/VEF 15-10/20 | PTT-110-977/8/G |
| 25 kV | JVW-6C, JVW-6 | VOY, VOG-12 | VZF/VEF 25-10 | N/A |
| 34.5 kV | JVW-7C, JVW-7 | VOY-15, 15G, VOHD200/G | VZF/VEF 36-10 | PTT-150-979/G, PTT-200-9710/G |

Current Transformers Indoor Type

| TRANSFORMER CLASS | GE-ITI | ABB | ASSOCIATED | ASTRA | ITRON |
|-------------------|---------------|---------|------------|-------|-------|
| 5 kV | JKM-3C, JKM-3 | KIR-60 | N/A | N/A | N/A |
| 8.7 kV | JKM-4C, JKM-4 | KIR-75 | N/A | N/A | N/A |
| 15 kV | JKM-5C, JKM-5 | KIR-11 | N/A | N/A | N/A |
| Miniature | JCR-0C | CSF | HA-678 | TCW | R6SA |
| Miniature | JCW-0C | CSH | HA-781 | TFW | R6S |
| Miniature - Bar | JCM-0C | CBT-H | N/A | TAB | R6B |
| Miniature - Bar | JCT-0C | CBT/1 | N/A | TCB | R6BA |
| Intermediate | JAK-0C | CMF | WEO-601 | AB | R6M |
| Large - Type I | JAD-0C | CLC/RLC | DEH-705 | AD | R6L |
| Large Type II | JCD-0C | CLE | CEH-636 | ACL | N/A |
| Pad Mount | JAB-0C | CMV | GM-713 | AP | R6P |
| Large - Relay | JCP-0C | RLC | N/A | AD | N/A |

References

Utility Cross Reference Guide

Current Transformers Outdoor Type

| TRANSFORMER CLASS | GE-ITI | ABB | AREVA / RITZ | KUHLMAN |
|-------------------|---------------|----------------|--------------|-------------|
| 15 kV RF 1.5 | JKW-5C, JKW-5 | KOR-60, 75, 11 | GIFU 15-01 | BB-15-971 |
| 15 kV RF 3.0 | JCK-5C, JCK-5 | KON-11 | GIFU 15-01L | BB-15-972 |
| 25 kV | JKW-6C, JKW-6 | KOR-15C | GIFU 25-01 | BB-25-973 |
| 34.5 kV | JKW-7C, JKW-7 | KOR-20 | GIF/S 36-55 | BB-34-975/6 |

Key to Type Designation

| LOW VOLTAGE | CT CATALOG NUMBER | | |
|------------------|-----------------------|--|--|
| JAB-0C | 750X136XXX | | |
| JAB-0C High Temp | 750X236XXX | | |
| JAD-0C | 750X120XXX | | |
| JAK-0C | 750X133XXX | | |
| JCB-0CC | 750X211XXX | | |
| JCD-0C | 750X131XXX | | |
| JCM-0C/JCT-0C | 750X125XXX/750X123XXX | | |
| JCP-0C | 750X115XXX | | |
| JCR-0C/JCW-0C | 750X134XXX/750X132XXX | | |
| JAH-0C | 750X114XXX | | |
| JAI-0C | 750X193XXX | | |
| JAU-0C | 750X191XXX | | |
| JAR-0C | 750X101XXX | | |
| JAS-0C | 750X114XXX | | |
| JCA-0C | 750X130XXX | | |
| JCS-0C | 750X110XXX | | |

References

Key to Type Designation

| MEDIUM VOLTAGE CT | CATALOG NUMBER | MEDIUM VOLTAGE CT - ACCUBUTE | CATALOG NUMBER |
|-------------------|----------------|------------------------------|----------------|
| JKM-3C | 753X140XXX | JCB-3A | 753X023XXX |
| JKM-4C | 754X140XXX | JCB-4A | 754X023XXX |
| JKM-5C | 755X142XXX | JCB-5A | 755X023XXX |
| JKM-5AC | 755X145XXX | JCD-3A | 753X033XXX |
| JCK-3 | 753X051XXX | JCD-4A | 754X033XXX |
| JCK-5C | 755C152XXX | JCD-5A | 755X033XXX |
| JKW-3 | 753X050XXX | JCM-3A | 753X022XXX |
| JKW-5C | 755C150XXX | JCM-4A | 754X022XXX |
| JKW-6C | 756C150XXX | JCM-5A | 755X022XXX |
| JKW-7C | 757C150XXX | JCW-3A | 753X032XXX |
| JCB-3 | 753X021XXX | JCW-4A | 754X032XXX |
| JCB-4 | 754X021XXX | JCW-5A | 755X032XXX |
| JCB-5 | 755X021XXX | JKM-3A | 753X042XXX |
| JCD-3 | 753X031XXX | JKM-4A | 754X042XXX |
| JCD-4 | 754X031XXX | JKM-5A | 755X045XXX |
| JCD-5 | 754X031XXX | JKW-150A | 756X033XXX |
| JCM-2 | 752X020XXX | JKW-200A | 757X033XXX |
| JKS-3 | 753X002XXX | JKW-250A | 758X033XXX |
| JKS-5 | 755X001XXX | JKW-350A | 759X033XXX |
| JKM-95 | 755X044XXX | JKW-3A | 753X052XXX |
| JCM-3 | 753X020XXX | JKW-4A | 754X052XXX |
| JCM-4 | 754X020XXX | JKW-5A | 755X053XXX |
| JCM-5 | 755X020XXX | JKW-6A | 756X051XXX |
| JCW-3 | 753X030XXX | | |
| JCW-4 | 754X030XXX | | |
| JCW-5 | 755X030XXX | | |
| JCK-4 | 754X051XXX | | |
| JKW-4 | 754X050XXX | | |
| JKW-150 | 756X030XXX | | |
| JKW-200 | 757X030XXX | | |
| JKW-250 | 758X030XXX | | |
| JKW-350 | 759X030XXX | | |

| LOW VOLTAGE VT | CATALOG NUMBER | | |
|----------------|----------------|--|--|
| JVA-0C | 760X134XXX | | |
| JEV-0C | 760X235XXX | | |
| JE-27C | 760X190XXX | | |

References

Key to Type Designation

| MEDIUM VOLTAGE CT | CATALOG NUMBER | MEDIUM VOLTAGE CT - ACCUBUTE | CATALOG NUMBER |
|-------------------|-----------------------|------------------------------|----------------|
| JVM-0C | 760X133XXX | JVS-150A | 766X033XXX |
| JVM-2C/JVM-3C | 763X121XXX | JVT-200A | 767X033XXX |
| JVM-4C/JVM-5C | 764X121XXX/765X121XXX | JVT-250A | 768X033XXX |
| JVW-110C | 765C131XXX | JVT-350A | 769X033XXX |
| JVW-5C | 765C130XXX | JVW-4A | 764X032XXX |
| JVW-6C | 766C131XXX | JVW-5A | 765X032XXX |
| JVW-7C | 767C131XXX | JVW-6A | 766X032XXX |
| JVM-95 | 765X022XXX | JVW-7A | 767X032XXX |
| JVW-3 | 763X030XXX | | |
| JVW-4 | 764X030XXX | | |
| JVW-150 | 766X034XXX | | |
| JVS/JVT-150 | 766X030XXX | | |
| JVS/JVT-200 | 767X030XXX | | |
| JVS/JVT-250 | 768X030XXX | | |
| JVS/JVT-350 | 769X030XXX | | |

ITI equivalent part number: 750X133XXX

Digit 1: 7 = Instrument Transformer

Digit 2: 5 = Current Transformer; 6 = Voltage Transformer

Digit 3: kV/BIL, 0 = 0.6/10, 3 = 5/60, 4 = 8.7/75, 5 = 15/110, 6 = 25/150, 7 = 35/200

Digit 4-5: C1 = Clearwater, X1-X2 = Clearwater, X0 = Somersworth

Digits 5-7: Model

Digits 7-10: Individual Transformer

References

Accuracy Standards (IEEE C57.13)

IEEE Accuracy Standards for Voltage Transformers - For VT's with Rated Secondary Voltage Approx. 120 or 69.3 Volts

The method of classifying voltage transformers as to accuracy is as follows: Since the accuracy is dependent on the burden, standard burdens have been designated, and these are the burdens at which the accuracy is to be classified. The standard burdens have been chosen to cover the range normally encountered in service and are identified by the letters W, X, M, Y, Z, and ZZ as given in Table 1.

Table 1 IEEE Standard Burdens* for Voltage Transformers

| BURDEN | VOLT-AMPERES AT 120 OR 69.3 SECONDARY VOLTS | BURDEN POWER FACTOR |
|--------|---|---------------------|
| W | 12.5 | 0.10 |
| X | 25.0 | 0.70 |
| M | 35.0 | 0.20 |
| Y | 75.0 | 0.85 |
| | | |
| Z | 200.0 | 0.85 |
| ZZ | 400.0 | 0.85 |

* Burden designations have no significance except at 60 Hz.

It should be pointed out that the burden of any specific meter or instrument may approximate, but seldom is the same as, any one of the standard burdens. The standard burden serves merely as a standardized reference point at which the accuracy of the transformer may be stated.

It should also be noted that each standard burden has the same VA at 120 or 69.3 secondary volts, and therefore has different impedances at the two voltages. The accuracy classes with their limits of ratio correction factor and transformer correction factor are given in Table 2.

Table 2 IEEE Accuracy Classes for Voltage Transformers

| ACCURACY CLASS | LIMITS OF CORRECTION FACTOR AND TRANSFORMER CORRECTION FACTOR* | | LIMITS OF POWER FACTOR (LAGGING) OF METERED POWER LOAD |
|----------------|--|---------|--|
| | MINIMUM | MAXIMUM | |
| 0.3 | 0.997 | 1.003 | 0.6-1.0 |
| 0.6 | 0.994 | 1.006 | 0.6-1.0 |
| 1.2 | 0.988 | 1.012 | 0.6-1.0 |

* The limits given for each accuracy class apply from 10 percent above rated voltage to 10 percent below rated voltage, at rated frequency, and from no burden on the voltage transformer to the specified burden, maintaining the power factor of the specified burden.

References

Accuracy Standards (IEEE C57.13)

IEEE Metering Accuracy Standards for Current Transformers-For CT's with Rated Secondary Current of 5 Amperes

The method of classifying current transformers as to accuracy is as follows: Since the accuracy is dependent upon the burden, standard burdens have been designated. These are the burdens at which the accuracies are to be classified. The standard burdens have been chosen to cover the range normally encountered in service and are designated as B-0.1, B-0.2, etc. as given in Table 3.

Table 3 IEEE Standard Burdens* for Current Transformers with 5 Ampere Secondaries

| BURDEN | VOLT-AMPERES (AT 5 Amp) | POWER FACTOR | RESISTANCE (Ohms) | INDUCTANCE (μ) | IMPEDANCE (Ohms) |
|--------|----------------------------|--------------|----------------------|-------------------------|---------------------|
| B0.1 | 2.5 | 0.9 | 0.09 | 0.116 | 0.1 |
| B0.2 | 5.0 | 0.9 | 0.18 | 0.232 | 0.2 |
| B0.5 | 12.5 | 0.9 | 0.45 | 0.580 | 0.5 |
| B0.9 | 22.5 | 0.9 | 0.81 | 1.04 | 0.9 |
| B1.8 | 45.0 | 0.9 | 1.62 | 2.08 | 1.8 |
| | | | | | |
| B-1 | 25.0 | 0.5 | 0.5 | 2.3 | 1.0 |
| B-2 | 50.0 | 0.5 | 1.0 | 4.6 | 2.0 |
| B-4 | 100.0 | 0.5 | 2.0 | 9.2 | 4.0 |
| B-8 | 200.0 | 0.5 | 4.0 | 18.4 | 8.0 |

* Burden designations have no significance except at 60 Hz.

It should be pointed out that the burden of any specific meter or instrument may approximate, but seldom is the same as, any one of the standard burdens. The standard burden serves merely as a standardized reference point at which the accuracy of the transformer may be stated.

The accuracy classes with their limits of ratio correction factor and transformer correction factor are given in Table 4.

Table 4 IEEE Metering Accuracy Classes for Current Transformers

| ACCURACY CLASS | LIMITS OF RATIO CORRECTION FACTOR AND TRANSFORMER CORRECTION FACTOR | | | | LIMITS OF POWER FACTOR (LAGGING) OF METERED POWER LOAD |
|----------------|---|---------|-------------------|---------|--|
| | 100% RATED CURRENT* | | 10% RATED CURRENT | | |
| | MINIMUM | MAXIMUM | MINIMUM | MAXIMUM | |
| 0.3 | 0.997 | 1.003 | 0.994 | 1.006 | 0.6-1.0 |
| 0.6 | 0.994 | 1.006 | 0.988 | 1.012 | 0.6-1.0 |
| 1.2 | 0.988 | 1.012 | 0.976 | 1.024 | 0.6-1.0 |

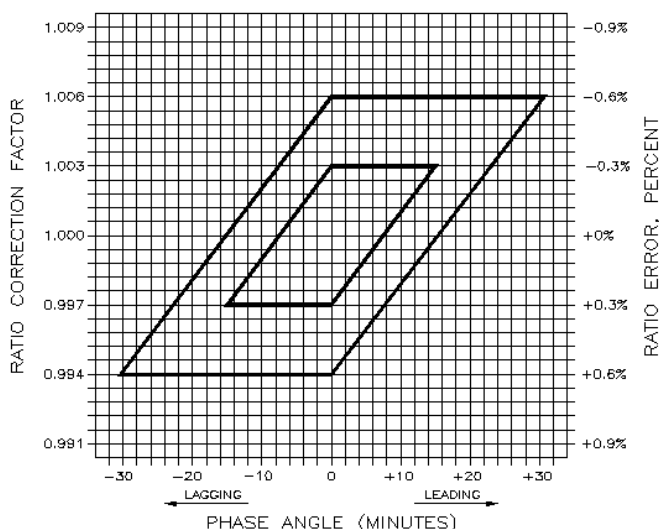
* These limits also apply at the maximum continuous-thermal current, which is the product of rated current and the continuous-thermal-current rating factor.

Consult Factory for Questions Concerning IEC & Other Standards

References

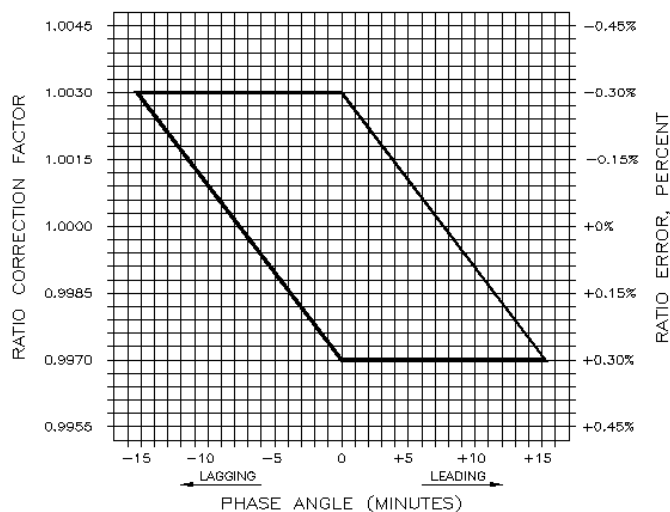
CT & PT Parallelogram's

IEEE Std. C57.13 limits of accuracy class for current transformers for metering 0.3 accuracy class



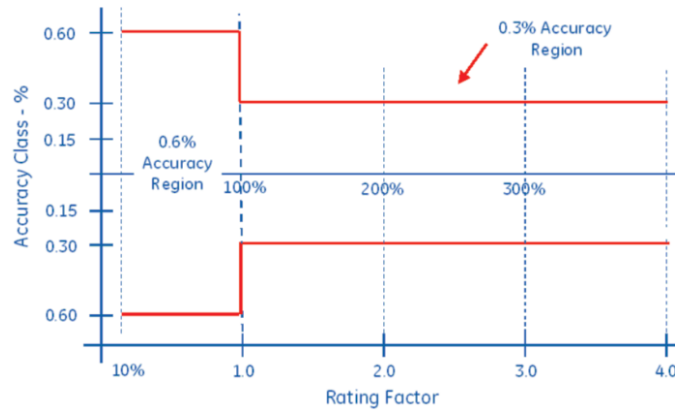
The parallelogram serves as a useful tool to verify the accuracy of instrument transformers. To meet the 0.3% accuracy classification for current transformers the phase angle and the ratio error must fall within the center parallelogram (above). To meet the 0.6% accuracy the phase angle and error must fall within the outer parallelogram. Similarly for voltage transformers the parallelogram (below) is a mirror image of the current transformer. To classify as a 0.3% accuracy class voltage transformer the phase angle and ratio error must fall within the parallelogram.

IEEE Std. C57.13 limits of accuracy class for potential transformers for metering 0.3 accuracy class

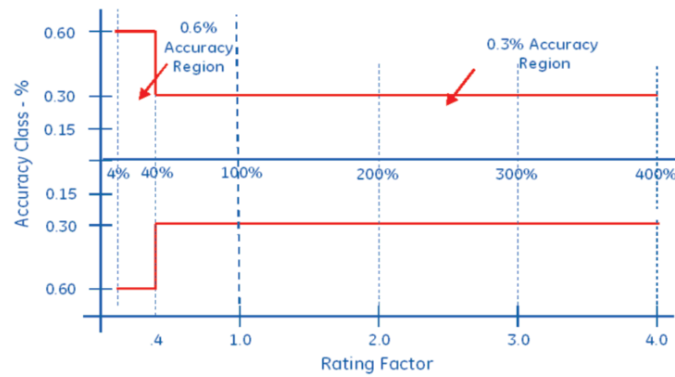


References

Standard Accuracy



Encompass Accuracy



Sample Test Card

Type: JAB-0C

Catalog No: 750X136208

Ratio: 800:5

Serial No: xxxxxxxx

| SECONDARY BURDEN | SECONDARY Amps | RATIO CORRECTION FACTOR | PHASE ANGLE (MINUTES) |
|------------------|----------------|-------------------------|-----------------------|
| B0.5 | 5 | 1.0015 | 4.4 |
| | 0.5 | 1.0024 | 9.7 |

Date: xx/xx/xxxx

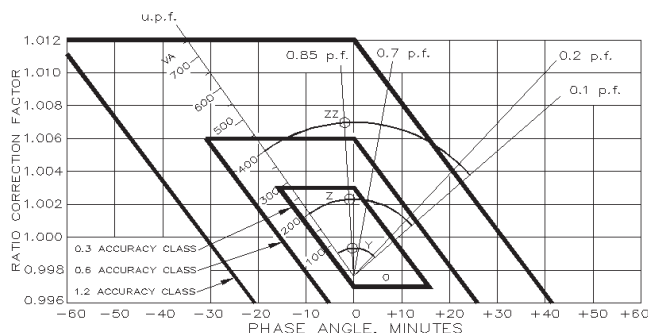
Tested by: xx

Instrument Transformer
 GE Vernova certifies that this instrument transformer has been tested in accordance with the accuracy test method that is specified in the standard IEEE C57.13-1983 (insulation level) and accuracy classes. The data presented are receivable to the National Institute of Standards and Technology.

The limit of permissible error in a current transformer accuracy class has one value at 100% rated current and allows twice that amount of error at 10% rated current. Typically 0.3% error is acceptable for watt-hour metering, 0.6% to 1.2% error for indicating instruments and 10% error for relaying. The figure below shows the performance limits of a standard metering 0.3% accuracy CT with a rating factor of 4.0.

References

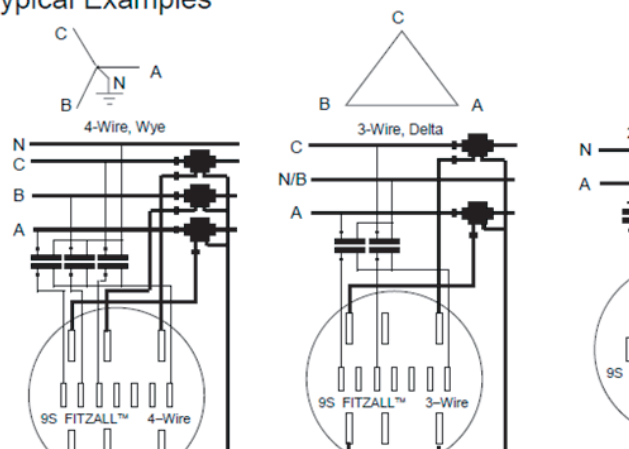
Circle Diagram



The circle diagram can be used to predict the performance of a transformer for various loads and power factors. A convenient scale of volt-ampere is shown on the unity power factor line (u.p.f) and commences at the zero or no-load locus. To use the diagram, measure the known V.A. and scribe an arc about the "Zero" locus of a length that contains the angle of the burden power factor. The point at which the arc terminates is the error locus in phase angle minutes and ratio correction factor.

Metering Connections

Typical Examples



References

Relay Accuracy of a Current Transformer

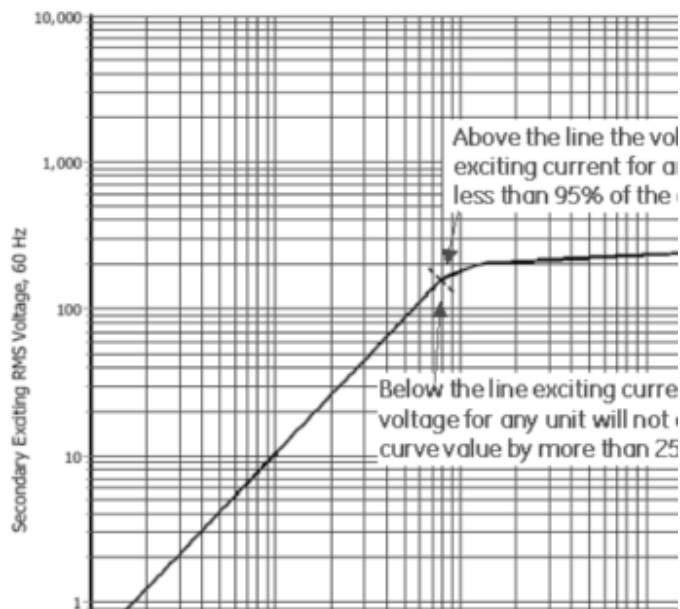
Current transformers that are used to operate relays for control and system protection must have certain accuracy under over-current conditions. The transformer must be able to not only withstand the high currents involved, but must also transformer current to a lower value suitable for application to the relay terminals, and do this with a reasonable accuracy. A typical relay accuracy classification might be C200 or T200. A table is provided below showing the standard burden with each associated relay class.

| RELAY CLASS & ASSOCIATED BURDENS | |
|----------------------------------|-----------------|
| SECONDARY TERMINAL VOLTAGE | STANDARD BURDEN |
| C10 | B-0.1 |
| C20 | B-0.2 |
| C50 | B-0.5 |
| C100 | B-1 |
| C200 | B-2 |
| C400 | B-4 |
| C800 | B-8 |

The last number is the secondary voltage that can be developed at the secondary terminals w/ 10% max error.

C200 would be (10% accuracy inferred at 20 X normal current X secondary impedance)

The figure below shows a typical excitation curve of a relay class CT. The curve is used to determine the performance of a CT over the entire range of secondary voltage and current.



Notes

Notes

Notes



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English
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