Models JVM-4A/JVM-5A

Indoor Voltage Transformer
4,200 V to 14,400 V, BIL 75 kV to 110 kV, 60 Hz

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

Regulatory Agency Approvals
UL Recognized...............File E178265

Thermal Rating (Volt-Amperes)
55 °C Rise above 30 °C Ambient........2,000
30 °C Rise above 55 °C Ambient........1,400

Weight (Approximate in Pounds)
Unfused...............................................105/85
Fused....................................................110/90

Reference Drawings
Accuracy Curve .................9932600137
Excitation Curves:
JVM-4A; 60:1 and 70:1.............9689241591
JVM-4A; 100:1 and 120:1...9689241629
JVM-5A..........................9932600139

Notes:
(1) For continuous operation, the transformer-rated primary voltage should not be exceeded by more than 10 %.
(2) ANSI 69 Volt burden.
(3) This transformer is similar to Catalog Number 764X021011 except for the voltage rating of the fuse.
(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.
(5) This transformer is similar to Catalog Number 765X023011 except for the voltage rating of the fuse.
Indoor – Voltage – JVM-4A/JVM-5A

Reference Drawings (con’t)

Outline Drawings: JVM-4A
- Unfused ...................................................... 8949818
- One Fuse .................................................. 8949938
- Two Fuses .................................................. 8949820

Outline Drawings: JVM-4A
- Unfused ...................................................... 9935471
- One Fuse (except Model 765X023010) ... 9935473
- One Fuse (Model 765X023010 only) ...... 9935472
- Two Fuses (except Model 965X023020) ... 9935475
- Two Fuses (Model 765X023020 only) ..... 9935474

Wiring Diagram .............................. refer to page 42, figure 5

Accessories ................... Catalog Number
- Fuses, Current-limiting, Type EJ-1:
  - 4,800 Volt Class, 1 Ampere .............. 9F60BDD001
  - 4,800 Volt Class, 2 Ampere .............. 9F60BDD002
  - 7,200 Volt Class, 1 Ampere .............. 9F60BDE001
  - 7,200 Volt Class, 2 Ampere .............. 9F60BDE002
  - 14,400 Volt Class, 0.5 Ampere .......... 9F60BHH905

Construction and Insulation
Please refer to General Product Information, item 1.4.

Core
Please refer to General Product Information, item 2.3.

Primary and Secondary Coils
Please refer to General Product Information, item 3.2.

Primary Terminals
Please refer to General Product Information, item 4.2.

Fuses
Current-limited, Type EJ-1 fuses are used.

Secondary Terminals
Please refer to General Product Information, item 4.12.

Polarity
Please refer to General Product Information, item 7.2.

Baseplate and Mounting
Please refer to General Product Information, item 5.6.

Nameplate
Please refer to General Product Information, item 6.5.

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

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Worldwide Contact Center
Web: www.GEGridSolutions.com/contact
Phone: +44 (0) 1785 250 070
USA and Canada: +1 (0) 800 547 8629
Europe, Middle East and Africa: +34 (0) 94 485 88 00