

# MODEL JKM-3

## Indoor Current Transformer

5 kV, BIL 60 kV,  
5 A to 800 A, 50/60 Hz

### Application

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



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



### Continuous Thermal Current Rating Factor

#### 30 °C Ambient/55 ° Ambient:

All models except those noted below .....1.5/1.0

Models 753X040042, 753X040015, and 753X040022 only .....1.33/1.0



461 Boston Street, Unit E6, Topsfield, MA 01983  
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## JKM-3 Product Data

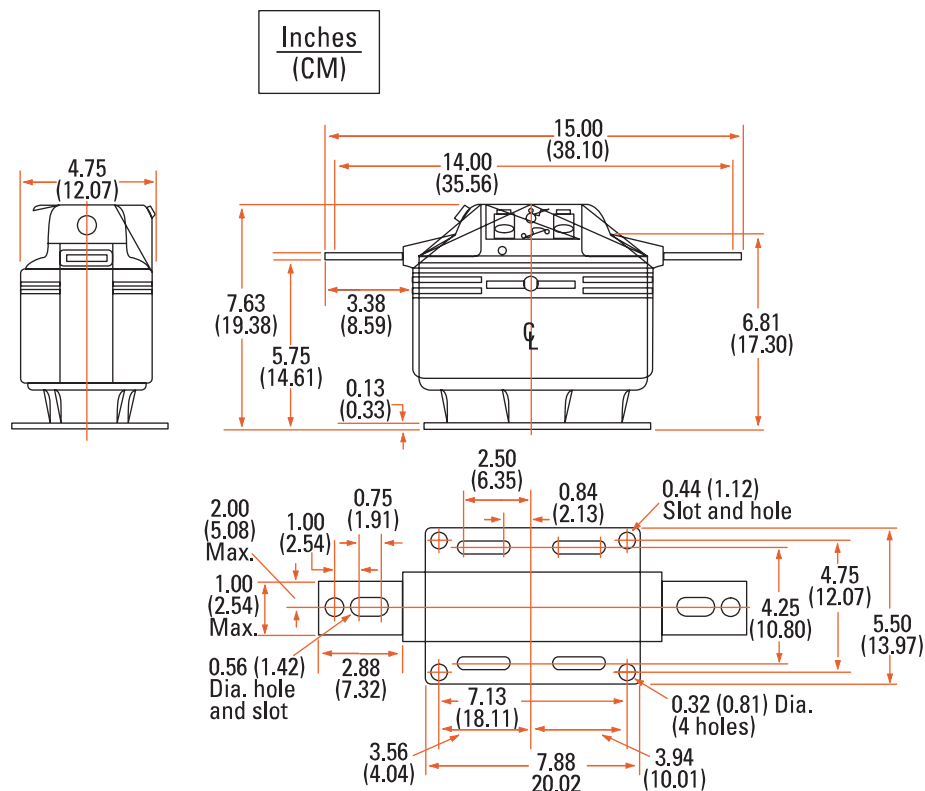
| CURRENT RATIO<br>IN Amperes;<br>PRI:Sec | CONTINUOUS-THERMAL CURRENT RATING FACTOR |                                |             | MECHANICAL<br>LIMIT,<br>Amperes | ONE-SECOND<br>THERMAL LIMIT,<br>Amperes | CATALOG<br>NUMBER       |
|-----------------------------------------|------------------------------------------|--------------------------------|-------------|---------------------------------|-----------------------------------------|-------------------------|
|                                         | METER CLASS BURDEN<br>B-0.1, B-0.2 B-0.5 | METER CLASS<br>BURDEN B-1, B-2 | RELAY CLASS |                                 |                                         |                         |
| Single-Secondary                        |                                          |                                |             |                                 |                                         |                         |
| 5:5                                     | 0.3                                      | 0.3                            | T100        | 900                             | 465                                     | 753X040023 <sup>1</sup> |
| 10:5                                    | 0.3                                      | 0.3                            | T100        | 1,800                           | 930                                     | 753X040024              |
| 15:5                                    | 0.3                                      | 0.3                            | T100        | 2,700                           | 1,470                                   | 753X040025              |
| 20:5                                    | 0.3                                      | 0.3                            | T100        | 3,600                           | 1,850                                   | 753X040026              |
| 25:5                                    | 0.3                                      | 0.3                            | T100        | 4,500                           | 2,300                                   | 753X040027              |
| 30:5                                    | 0.3                                      | 0.3                            | T100        | 5,400                           | 2,450                                   | 753X040028              |
| 40:5                                    | 0.3                                      | 0.3                            | T100        | 7,200                           | 3,700                                   | 753X040029              |
| 50:5                                    | 0.3                                      | 0.3                            | T100        | 9,000                           | 4,600                                   | 753X040030              |
| 75:5                                    | 0.3                                      | 0.3                            | T100        | 13,500                          | 6,400                                   | 753X040032              |
| 100:5                                   | 0.3                                      | 0.3                            | T100        | 18,000                          | 8,600                                   | 753X040033              |
| 150:5                                   | 0.3                                      | 0.3                            | T100        | 27,000                          | 12,800                                  | 753X040035              |
| 200:5                                   | 0.3                                      | 0.3                            | T100        | 36,000                          | 17,300                                  | 753X040036              |
| 300:5                                   | 0.3                                      | 0.3                            | T100        | 54,000                          | 25,700                                  | 753X040038              |
| 400:5                                   | 0.3                                      | 0.3                            | T100        | 72,000                          | 36,000                                  | 753X040039              |
| 600:5                                   | 0.3                                      | 0.3                            | T100        | 108,000                         | 51,500                                  | 753X040041              |
| 800:5                                   | 0.3                                      | 0.3                            | T100        | 144,000                         | 63,300                                  | 753X040042              |
| Tapped-Secondary                        |                                          |                                |             |                                 |                                         |                         |
| 50/100:5                                | 0.3                                      | ---                            | T50         | 9,000                           | 4,300                                   | 753X040016 <sup>1</sup> |
|                                         | 0.3                                      | 0.3                            | T100        | 9,000                           | 8,600                                   |                         |
| 75/150:5                                | 0.3                                      | ---                            | T50         | 13,500                          | 6,400                                   | 753X040017 <sup>1</sup> |
|                                         | 0.3                                      | 0.3                            | T100        | 13,500                          | 12,800                                  |                         |
| 100/200:5                               | 0.3                                      | ---                            | T50         | 18,000                          | 8,650                                   | 753X040018 <sup>1</sup> |
|                                         | 0.3                                      | 0.3                            | T100        | 18,000                          | 17,300                                  |                         |
| 150/300:5                               | 0.3                                      | ---                            | T50         | 27,000                          | 13,750                                  | 753X040019 <sup>1</sup> |
|                                         | 0.3                                      | 0.3                            | T100        | 27,000                          | 27,500                                  |                         |
| 200/400:5                               | 0.3                                      | ---                            | T50         | 36,000                          | 18,000                                  | 753X040020 <sup>1</sup> |
|                                         | 0.3                                      | 0.3                            | T100        | 36,000                          | 36,000                                  |                         |
| 300/600:5                               | 0.3                                      | ---                            | T50         | 54,000                          | 25,750                                  | 753X040021 <sup>1</sup> |
|                                         | 0.3                                      | 0.3                            | T100        | 54,000                          | 51,500                                  |                         |
| 400/800:5                               | 0.3                                      | ---                            | T50         | 72,000                          | 31,650                                  | 753X040022 <sup>1</sup> |
|                                         | 0.3                                      | 0.3                            | T100        | 72,000                          | 63,300                                  |                         |

<sup>1</sup> Measurement Canada Approved: AE-486 or AE-0326



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## JKM-3 Dimensions



### Weight - Shipping/Net

(approximate, in pounds)

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

### Reference Drawings

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

### Construction and Insulation

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

### Core

Please refer to General Product Information, item 2.4.

### Primary and Secondary Coils

### Primary Terminals

Please refer to General Product Information, item 4.3.

### Secondary Terminals

Please refer to General Product Information, item 4.13.

### Polarity

Please refer to General Product Information, item 7.2.

### Baseplate and Mounting

Please refer to General Product Information, item 5.5.

### Nameplate

Please refer to General Product Information, item 6.3.

### Maintenance

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

