

Model JKS-5

**Indoor Current Transformer,
15,000 V, BIL 95 kV, 15 A to 800 A, 50/60 Hz**

Application

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

Weight - Shipping/Net

(approximate, in pounds)
 Single-Secondary 56/50 lbs
 Dual-Secondary 112/102 lbs
 Tapped-Secondary 56/50 lbs



JKS-5 Current Transformer, Single-Secondary

JKS-5 Product Data

| Current Ratio in Amperes; Pri:Sec | ANSI Accuracy Class, 60 Hz | | | Relay Class | Continuous Thermal- Current Rating Factor | | 1-Sec. Thermal Limit, Amperes | | Catalog Number |
|--------------------------------------|----------------------------|-------|-----|-------------|--|---------|-------------------------------|------------------|-------------------|
| | Meter Class, Burden | | | | 30 °C | 55 °C | With Secondary | With Burden | |
| | B-0.1 | B-0.5 | B-2 | | Ambient | Ambient | Short-Circuited | B-0.2 or Greater | |
| Single-Secondary | | | | | | | | | |
| 15:5 | - | --- | --- | T10 | 1.5 | 1.0 | 13,000 | 13,000 | 755X001001 |
| 20:5 | 1.2 | --- | --- | T10 | 1.5 | 1.0 | 13,000 | 13,000 | 755X001002 |
| 25:5 | 1.2 | 1.2 | --- | T10 | 1.5 | 1.0 | 10,000 | 13,000 | 755X001003 |
| 30:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.0 | 6,000 | 13,000 | 755X001004 |
| 40:5 | 1.2 | --- | --- | T10 | 1.5 | 1.0 | 25,200 | 25,200 | 755X001005 |
| 50:5 | 0.6 | --- | --- | T10 | 1.5 | 1.0 | 15,000 | 25,200 | 755X001006 |
| 75:5 | 0.6 | 1.2 | --- | T20 | 1.5 | 1.0 | 15,000 | 33,500 | 755X001007 |
| 100:5 | 0.3 | 0.6 | --- | T20 | 1.5 | 1.0 | 10,000 | 33,500 | 755X001008 |
| 150:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 21,000 | 33,500 | 755X001010 |
| 200:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 26,000 | 44,000 | 755X001011 |
| 300:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 35,000 | 44,000 | 755X001013 |
| 400:5 | 0.3 | 0.3 | 0.3 | T200 | 1.5 | 1.0 | 44,000 | 44,000 | 755X001014 |
| 600:5 | 0.3 | 0.3 | 0.3 | T200 | 1.5 | 1.0 | 55,000 | 55,000 | 755X001016 |
| 800:5 | 0.3 | 0.3 | 1.2 | T50 | 1.5 | 1.0 | 59,000 | 59,000 | 755X001017 |
| Tapped-Secondary | | | | | | | | | |
| 50/100:5 | 1.2 | 2.4 | --- | T10 | 1.5 | 1.1 | | | 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 | | | |

Refer to Factory
for
Application information



Reference Drawings

Accuracy Curves:

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

Excitation Curves:

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

Outline Drawings:

| | |
|-------------------------------|----------------------------|
| Single-Secondary Models | 8949736 |
| Dual-Secondary Models | 8949937 |
| Tapped-Secondary Models | 8949807 |
| Wiring Diagram | refer to page 42, figure 4 |

Construction and Insulation

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

Core

Please refer to General Product Information, item 2.4.

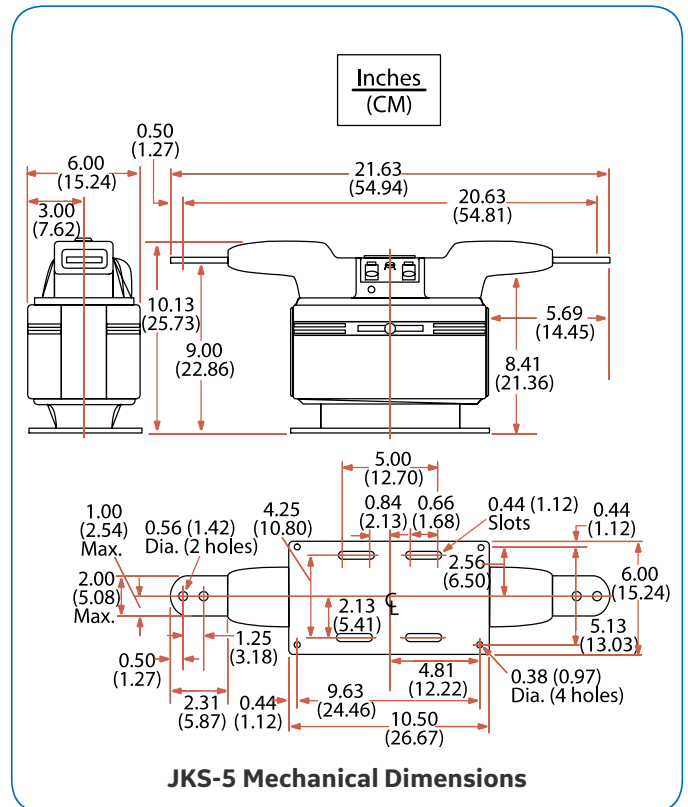
Coils

Please refer to General Product Information, item 3.3.

Primary Terminals

Please refer to General Product Information, item 4.4.

JKS-5 dimensions



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.

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