

# 5A/50A REVENUE GRADE SPLIT CORE CURRENT TRANSFORMERS



DENT's SRS Series hinged split-core current transformers are designed for Revenue Grade applications that require maximum accuracy and precision. The superior performance, robust design, and unique shrouded snap, lock & tilt top of the SRS Series CTs make them ideal for field installation in high accuracy current measurement applications such as energy and demand metering, tenant submetering and load surveys. Revenue Grade performance of these CTs meets or exceeds the accuracy specifications for IEC 61869-2 Class 0.2, IEC 60044-1 Class 0.3, and IEEE C57.13 Class 0.3.

The SRS Series CTs are UL2808 and CSA C22.2 No. 61010-1 listed as stand-alone products, CE marked, RoHS compliant, and are 600V CAT III rated devices. They are available for current inputs up to 50 Amps with 8 foot long, 18 AWG MTW UL1015 twisted pair leads.



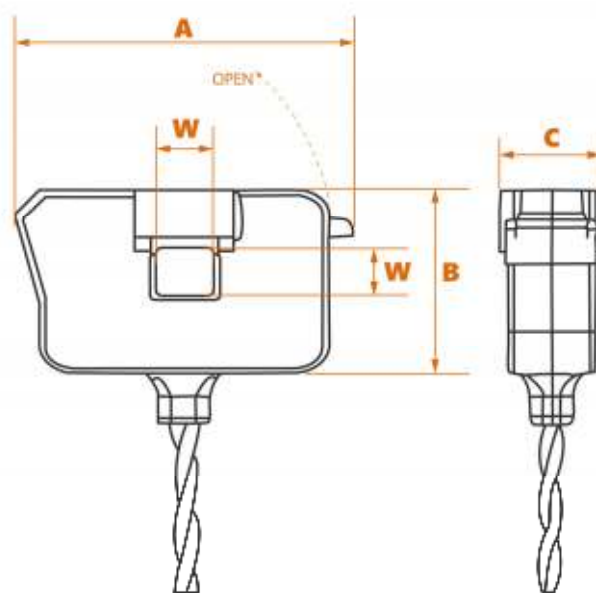
| KEY SPECIFICATIONS                               |   |
|--|---|
| Window Size                                      | 0.4" (10.17mm)  |
| Current Range                                    | 5A Model: 0.05—10A<br>50A Model: 0.5—100A                               |
| Output   | 333.3mV at rated current  |
| Ratio Error                                      | +/-0.2% at rated current (typical)                                      |
| Phase Error                                      | < 0.2°  |
| Meets the Accuracy Requirements for <sup>1</sup> | IEC 61869-2 Class 0.2<br>IEC 60044-1 Class 0.2<br>IEEE C57.13 Class 0.3 |

| ELECTRICAL      |   |
|-----------------|---|
| Output          | 333.3mV at rated current                              |
| Wire Polarity   | White = Hi, positive (+)<br>Black = Low, negative (-) |
| Frequency Range | 40 to 400 Hz  |

| MECHANICAL            |   |
|-----------------------|---|
| Case Material         | 120°C UL Recognized Plastic   |
| Leads                 | 8ft (2.4M) black and white twisted pair 18 AWG MTW UL1015, 600V, 105°C double insulated |
| Operating Temperature | -40°C to 70°C (-40°F to 158°F)  |

| SAFETY & CERTIFICATIONS |                       |
|-------------------------|-----------------------|
| Working Voltage         | 600 VAC, Category III |
| Dielectric Strength     | 7400 VAC              |

|               |   |
|---------------|---|
| Certification | Conforms to:<br>UL Listed to UL 2808<br>Certified to:<br>CSA STD C22.2 No. 61010-1<br>TAA Compliant |
|---------------|---|



| DIMENSIONS      |                 |                  |                               |
|-----------------|-----------------|------------------|-------------------------------|
| WINDOW          | A               | B                | C                             |
| 0.4"<br>10.17mm | 2.4"<br>60.96mm | 1.65"<br>41.91mm | 0.85" - 1.1"<br>21.58—27.94mm |

| PART NUMBERS   |                              |
|----------------|------------------------------|
| CT-SRS-005-U/B | 5A Revenue Grade Split Core  |
| CT-SRS-050-U/B | 50A Revenue Grade Split Core |

<sup>1</sup> When CT phase shift is set as follows: 5A = -0.10°, 50A = -0.23°

## CONTACT US

DENT Instruments, Inc.  
Energy & Power Measurement Solutions  
An ISO 9001:2008 Certified Company

925 SW EMKAY DRIVE  
BEND, OREGON 97702 USA  
541.388.4774 | 800.388.0770  
WWW.DENTINSTRUMENTS.COM

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