

ACCURANGE® CURRENT TRANSFORMERS

## CLC-S

# High accuracy current transformer



The CLC-S current transformer is primarily used for high current metering on low voltage systems and delivers savings through high accuracy and reduced inventory.

### Product features

- 600 volt, indoor or outdoor
- 10 kV BIL, 60 Hertz
- 0.15% accuracy from 1% nominal current through rating factor
- Available with window or primary bar

### Application

The CLC-S is primarily used for high current metering on low voltage systems and is available in single or dual ratios. This current transformer can be used with uninsulated bus bar or cable up to 600 volts, or with insulated primary conductors at higher voltages. For example, a single 2000:5 ratio unit with a rating factor of 2.5 will meter at 0.15% accuracy from 20 A - 5000 A for extended range metering.

### Extended range metering

AccuRange current transformers deliver high accuracy and stable performance over a wide load swing, making them a great fit for variable load applications. Accuracy is guaranteed to be 0.15% from 1% of nominal current through rating factor. These units deliver savings through improved accuracy metering and reduced inventory.

### Construction and insulation

The ring-type core and fully distributed winding are assembled to a glass-filled polypropylene window liner. The insulating material is permanently molded to the core and coil assembly, resulting in a compact unit with improved mechanical, thermal, and dielectric characteristics.

### Primary

A large 5.5" (140 mm) window allows for multiple primary conductors. Optional Micarta® window plates are available to change the window opening to a cruciform configuration for direct bus bar sleeve mounting. Primary bar assemblies are available for converting the CLC to a bar-type unit.

### Secondary terminals and cover

The CLC-S is supplied with embedded compression-type secondary terminals, a short circuit device, and a clear, rectangular snap-on cover suitable for locking with a meter seal. This clear plastic cover allows a visual check of connections and is keyed to ensure the shorting clip is across the terminals when no wires are connected. This safety feature avoids dangerous voltages across the secondary terminals if the

primary is energized. Terminals accommodate #14-6 wire and can also serve as a post-type connector by looping wire under the screw head.

### Mounting

An optional one-piece base or set of four mounting feet are available and constructed of corrosion-resistant aluminum. The CLC-S may also be secured to a wall panel or bracket by using mounting holes in the transformer body.

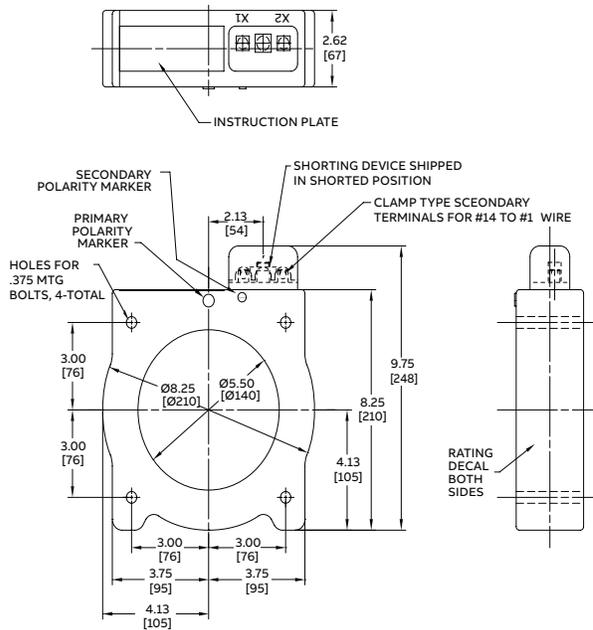
### Test reports

Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

### Standards

This unit meets or exceeds all requirements of IEEE C57.13-2016 and can be tested to other standards as requested.

### Unit dimensions (inches [mm])



### CLC-S selection guide

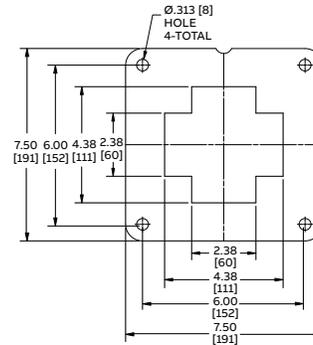
| Primary<br>ampere rating | Rating factor |       | Metering<br>accuracy | Style number |
|--------------------------|---------------|-------|----------------------|--------------|
|                          | 30° C         | 55° C |                      |              |
| 1500                     | 3.0           | 2.5   | 0.15S B-0.9          | 923A533G02   |
| 2000                     | 2.5           | 1.75  | 0.15S B-0.9          | 923A533G01   |

Approximate weight: 11 lbs.

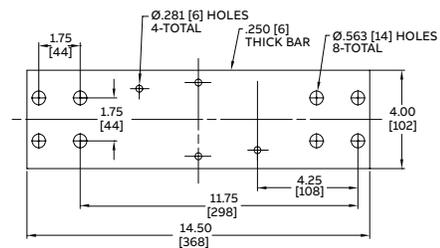
### Optional accessories

| Accessory   | Style number |
|---|--------------|
| Mounting feet (set of four with hardware)           | 9628A05G20   |
| One piece base                                      | 9628A05G21   |
| Window plate (one required)                         | 9628A05G22   |
| Primary bar assembly:<br>5100 amperes (max), 4 bars | 9628A05G26   |

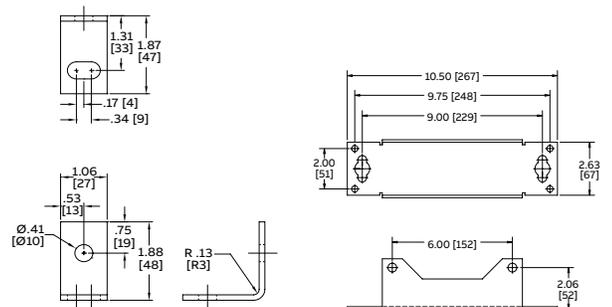
### Optional accessories (inches [mm])



### Window plate



### Bar assembly



### Four-piece mounting feet

### One-piece base