
Part 1 General

1.1 RELATED SECTIONS

- .1 Section 26 05 00 - Common Work Results for Electrical.

1.2 REFERENCES

- .1 CSA International.
 - .1 CSA C13-M83, Instrument Transformers.
 - .2 CSA C22.2 No. 106-05 (R2010), HRC- Miscellaneous Fuses.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for control and signal transformers and include product characteristics, performance criteria, physical size, finish and limitations.

1.4 CLOSEOUT SUBMITTALS

- .1 Submit in accordance with Section 01 78 00 - Closeout Submittals.
- .2 Operation and Maintenance Data: submit operation and maintenance data for control and signal transformers for incorporation into manual.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials off ground, indoors, and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect control and signal transformers from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.

1.6 ACCEPTABLE PRODUCTS AND MATERIALS

- .1 Where a particular brand name is stipulated, see Instructions to Bidders for procedure for requesting approval of substitute materials and products.

Part 2 Products

2.1 POTENTIAL TRANSFORMERS

- .1 Potential transformers: to CSA C13, dry type for indoor use, with following characteristics:
 - .1 Nominal voltage class: as indicated.
 - .2 Rated frequency: 60 Hz.
 - .3 Basic impulse level: 10 kV.
 - .4 Voltage ratio: as indicated.
 - .5 Accuracy rating: 1%.
- .2 Potential transformers equipped with fuse holder and fuses.
 - .1 Fuses: to CAN/CSA C22.2, No. 106.

2.2 CURRENT TRANSFORMERS

- .1 Current transformers: to CSA C13, dry type for indoor use with following characteristics:
 - .1 Nominal voltage class: as indicated.
 - .2 Rated frequency: 60 Hz.
 - .3 Basic impulse level: 10 kV.
 - .4 Metering accuracy rating: 1%.
 - .5 Rated primary and secondary current: as indicated.
- .2 Positive action automatic short-circuiting device in secondary terminals.

2.3 MOUNTING BRACKETS

- .1 Potential transformers with channel type mounting brackets.
- .2 Fabricate brackets and channels from electrogalvanized code gauge painted steel.

2.4 ACCEPTABLE PRODUCTS

- .1 Cutler-Hammer (Eaton).
- .2 Schneider Electric.
- .3 Siemens.
- .4 Replacement materials or products: approved by addendum according to Instructions to bidders.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for control and signal transformers installation in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied.

3.2 INSTALLATION

- .1 Install instrument transformers and ensure accessibility.

3.3 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

3.4 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by control and signal transformers installation.

END OF SECTION