

10kV busbar CT position

Overview

Most Hobut CTs are labelled as per IEC61869-2 using the P1 – P2: S1 – S2 nomenclature, the table below gives cross reference to some common alternative terminal marking standards. P1 should face towards the power source, P2 should face towards the load. A Current Transformer (CT) safely scales the primary current to a standardized secondary (commonly 5 A or 1 A) while providing galvanic isolation. Correct CT selection and application directly influence: Billing accuracy: Misapplied ratio or accuracy class can cause revenue leakage or disputes. Safe-to-touch and hermetically sealed primary enclosure All high-voltage parts including the cable terminations, busbars and voltage transformers are metal-enclosed Capacitive voltage. The nominal current rating is marked on both sides of the unit in large numerals. The transformer can be mounted in any position and may be suspended from the bus-bar or cable. It has provision for attaching two optional bases. Low bases are made from stainless steel. The high base increases the. The PS-981 / PH-982 outdoor “Slip-Over” / ACCUSlip™ current transformer is a 600 volt, 10kV BIL rated unit and designed to fit over a variety of specified bushing sizes. This unit can be applied over higher rated system voltages provided sufficient insulation is available on the point of. Install the CT to the primary connection, on most CTs this means passing the primary conductor through the aperture in the CT.



Article Content

Jan 24, 2026

Switchgear Type SIMOSEC, up to 24 kV, Air-Insulated, ...

Three-position switch-disconnector with gas-insulated, maintenance-free quenching principle. Metal partition between busbar compartment, switching devices and cable compartment. Low ...

Mar 14, 2026

10kv Bus Bar pt Feeder

Good Answer: If you close the breaker without a PT in position, to anyone looking at local or remote meters or to some of the protection, it will appear the busbar is dead.

Jan 27, 2026

Current Transformer (CT) Guide: Accuracy & Selection

Comprehensive CT guide covering ratio selection, accuracy classes (ANSI/IEC), burden calculation, saturation, knee point, and safety. Includes real-world examples, calculation worksheets, and 15+ ...

Mar 22, 2026

ABB Kuhlman Engineered Designs Instrument Transformers

The CT is mounted to the non-magnetic insulating board using high strength straps and silicone adhesive to provide excellent mechanical strength to withstand the high vibration application on ...

May 17, 2026

CURRENT TRANSFORMER (CT) INSTALLATION INSTRUCTIONS

Cast resin encapsulated CTs can be heavy, busbar clamps are provided to secure the CT in position during assembly. The bus bar clamps may be adequate to support smaller CTs, but in the case of ...

Jul 01, 2026

Documentation Busbar split-core current transformers

It is essential that the documentation and the following notes and explanations are followed when installing and commissioning these components. The qualified personnel is obliged to always use the ...

Aug 02, 2025

Medium-Voltage Switchgear

As the busbar system is arranged outside the gas compartment, a panel extension, replacement or doubling to increase current-carrying ability are possible within a very short period of ...

Mar 05, 2026

10kV & 35kV Switchgear CT PT Selection: A Practical Replacement ...

When handling 10kV/35kV Medium Voltage Switchgear & Ring Main Unit CT/PT Selection and Replacement, the physical and environmental constraints are just as critical as the ...

Mar 31, 2026

Model JCT-OS_Model JCT-0C

Baseplate and Mounting The transformer can be mounted in any position and may be suspended from the bus-bar or cable. It has provision for attaching two optional bases. Low bases are made from ...

Sep 28, 2025

Types 8DA10 and 8DB10 up to 40.5 kV

Medium-voltage switchgear 8DA/B is indoor, factory-assembled, type-tested, single-pole metal-enclosed, gas-insulated switchgear, for single-busbar and double-busbar applications, as well as for ...

Contact Us

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