

# TRANSFORMER WITH BREAKER PROTECTION CABIN



Transformers for underground networks including a network breaker protection feature thanks to a combined fuse switch (TPC function).

## Main characteristics

The breaker protection transformer (TPC) by Cahors is a conventional “cabin” transformer that includes a device similar to a combined fuse switch (three MV fuses with a striker, combined with a three-phase disconnect switch). Ground fault detection is also included, sensitive to currents from 5A and acting as necessary on the disconnect switch. This device have been the subject of several European filings.

- Sealed vacuum filling tank
- PCB-free liquid dielectric
- Available in a vegetable oil version (natural ester)
- ONAN cooling mode
- Copper and aluminium coils, depending on the power
- Crystal-oriented iron-silicon sheet magnetic circuit
- Power: from 100 kVA to 250 kVA
- Frequency: 50 Hz
- Primary rated voltage: from 5 to 35 kV with +/- 2.5% adjustment per switch with a live controllable handle (other voltage, contact us)
- Secondary rated voltage: 410 V (other voltage, contact us)

## Advantages

- Protection-disconnection feature for improving the safety and quality of the supply
- Removal of all external manifestations of the device in case of an internal fault, ensuring the safety of goods, individuals, and the environment.
- No maintenance in normal service condition
- High thermal inertia to withstand load cycles with power variations.
- Takes into account all types of MV and LV faults
- Standard losses, reduced or compliant with the specifications requested by the customer

## Uses

- Rural environment
- Urban environment
- Peri-urban environment

