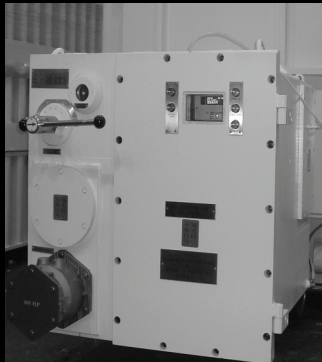




## THVC & TLVC

### Transformer High & Low Voltage Protection



#### Product Range:

B&F has produced an extensive range of transformer protection switches designed to mount directly to the transformer. The High Voltage transwitch is named 'THVC' and the medium to low voltage transwitch is named 'TLVC'.

#### Applications:

THVC is designed to mount directly to the transformer and is the main point of isolation for the transformer. It is designed to protect the primary winding from overload and short circuit. THVC also monitors the windings temperature and will trip the HV circuit breaker in the event of a high temperature occurring.

TLVC is also designed to mount directly to the transformer and is designed to offer electrical protection for up to three outgoing circuits.

#### Product Highlights:

- THVC**
- Compact design
  - Fault Make, Fault Brake Single throw Isolator
  - High performance triple pole vacuum circuit breaker
  - Indirect entry or plug and socket cable terminations
  - Incoming and throughgoing supply facility
  - Electronic protection
  - Dual Voltage option
- TLVC**
- Compact design
  - Individual electronic protection up to three outgoing circuits
  - Indirect entry or plug and socket cable terminations
  - Electronic protection
  - HV Trip, VCB or MCCB options

#### Certification:

All B&F products are ATEX & IEC certified. In addition, we are able to offer country specific certification where required.



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## THVC & TLVC Transformer High & Low Voltage Protection

### Technical Specification:

#### THVC

- Ex d Socket or Exe Indirect Cable Gland option
- 630A / 1,250A Fault Make, Load Break Triple Pole Isolator
- 630A / 1,250A Triple pole Vacuum Circuit Breaker
- Facility to earth the primary windings
- Temperature monitoring of windings
- B&F XPS Electronic Protection Relay
- Overcurrent & earth fault protection
- Shunt Trip (ST) or Under Voltage Release (UVR) operation
- FLP or IS Remote trip facilities

#### TLVC

- Ex d Socket or Ex d direct Cable Gland option
- Up to 3 individual protected outlets
- B&F XPS Electronic Protection Relay
- Overload, short circuit, and earth fault protection
- 1 x VCB or HT Trip for Medium Voltage Applications (3,300-6,600V)
- 2 x MCCB or HT Trip for Low Voltage Applications (500-1,150V)

