



Transformer solutions to reduce arc flash exposure

Reduce maintenance and operating costs while providing improved safety by minimizing exposure to potential arc flash with Eaton's Cooper Power™ series transformers.

Every day operators are exposed to the risk of dangerous arc flash while inside the transformer's cable compartment. Whether it's recording measurements such as oil level or temperature, taking an oil sample, or operating a loadbreak switch, maintenance on traditional three-phase pad-mounted transformers can be a time consuming and costly process.

We have developed many Eaton's Cooper Power™ series transformer solutions that reduce maintenance and operating costs while improving safety by minimizing exposure to potential arc flash.

External instrumentation package

- Allows safer, faster and more cost effective access to monitoring instrumentation
 - Liquid level gauge
 - Liquid temperature gauge
 - Pressure/vacuum gauges
 - Fluid sample valve (optional)
- Winding temperature indicator (optional)
- Temperature and pressure transducers (optional)
- Housed in a weather and tamper resistant enclosure
- Drain valve with oil sampler in pad-lockable enclosure for easier dissolved gas analysis testing



Pad-mounted transformer with typical external instrumentation package. They can be located on low voltage (LV) or high voltage (HV) side of tank.



Powering Business Worldwide

Improve arc flash safety by adding these features to your design.

External instrumentation package and drain valve

Gauges and devices located in weather and tamper resistant enclosure for safer access.



External drain valve with sampler for safer and easier oil sampling.

Other optional features to reduce exposure to arc flash

- Additional nameplates
- External loadbreak switches with padlockable enclosure
- External bayonet fuses with padlockable enclosure
- External MagneX® Interrupters with padlockable enclosure

External visible loadbreak option

Includes all of the features of the external instrumentation package with the added benefit of a visible loadbreak switch. This provides visible confirmation that the transformer low voltage has been de-energized. See B210-13029 for details.



External visible loadbreak switch with gauge combines safety and convenience into one package. Note: Padlockable covers over window, gauges and switch removed for photo.

Infrared (IR) viewing windows

- Save time and conduct more efficient inspections
- No need to power down transformer
- Factory installed with various sizes and models available



IR windows on termination chambers allow users to easily check bushing connections.

Vacuum fault interrupter with motor operator

- Remote open/trip and close capability
- Completely adjustable protection to allow customization of arc flash reduction
- Resettable with no fuses to replace



Pad-mounted transformer with VFI and motor operator located in separate compartment for remote open/trip and close capability.

Specify safety

Eaton constantly strives to improve arc flash safety through design. Incorporate these features in your transformer specifications by contacting your local Eaton's Cooper Power™ series transformer representative.

We are also pleased to offer a broad range of electrical safety solutions, including the industry's most comprehensive suite of arc flash-related products and services including:

- Arc flash hazard analysis
- Training and compliance
- Mitigating products
- Labeling and safety procedures
- Comprehensive safety audits
- For more information please visit us at: Eaton.com/arcflash

For product information, call 1-877-277-4636 or visit:
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