



ABB MEDIUM VOLTAGE SOLUTIONS

Our medium voltage offering covers all aspects of the primary and secondary distribution components required to provide power to valued consumers. Backed by industry leading technology and expertise gained from years excelling as market leaders, we are poised to provide solutions you can depend on.

Power Distribution Transformers (Dry & Oil Type)

- ✦ Oil type up to 36 kV
- ✦ Oil type with various fluids
- ✦ Dry type up to 72.5 kV
- ✦ Both types built to IEC or ANSI standards
- ✦ Largest library of type tested designs



Switchgear

Air Insulated

- ✦ IEC & ANSI standards with optimized footprint
- ✦ Digital capability utilizing IEC 61850
- ✦ Highest operational reliability and safety



Gas Insulated

- ✦ High level of reliability (Based on MTBF)
- ✦ Minimum maintenance requirements
- ✦ First manufacturer of GIS
- ✦ Over 30 years of GIS experience



Arc Flash Relays

- ✦ Detection by arc flash light and simultaneous overcurrent
- ✦ Delivers trip commands in less than 2.5 ms
- ✦ Quick localization of fault zone
- ✦ Redundant capability
- ✦ System expandability

MCC

- ✦ Slim and compact panel only 400 mm wide
- ✦ Fused vacuum contactor with magnetic actuator
- ✦ Cable termination height up to 600 mm
- ✦ Fitted with safety interlocks and visible earthing connection
- ✦ Traditional and IEC 61850 based protection
- ✦ Arc resistant metal-clad option



E-Houses / Control Buildings

- ✦ Cost effective installation
- ✦ Cost effective supply and project management
- ✦ Shorter startup / commissioning time
- ✦ Optimization of building size



Breakers, Cassettes and Frames

- ✦ ANSI & IEC vacuum circuit breaker
- ✦ Low-maintenance magnetic actuator
- ✦ Completely embedded vacuum interrupters
- ✦ Fixed and withdrawable versions
- ✦ Option for generator protection

CTs & PTs (Indoor & Outdoor)

- ✦ ANSI & IEC standards available
- ✦ Revenue metering options
- ✦ Single, double, and tapped secondary designs
- ✦ Two accuracy and thermal rating options
- ✦ Ranging from 600V to 48 kV



P & C Relays & Test Switches

Relays

- ✦ Self-checking facility
- ✦ Low burden relays improve accuracy
- ✦ Fast fiber optical communication with substation LAN
- ✦ Adaptive relaying schemes
- ✦ Permit storage of historical data
- ✦ Time stamping

Test Switches

- ✦ Enables testing without disconnecting existing wiring
- ✦ Standard screw type terminals (optional stud and nut)
- ✦ Secure testing with good isolation between the terminals

PF Capacitors & Harmonic Filters

- ✦ Inrush of detuning reactors
- ✦ Modular fixed or multistage switched capacitors
- ✦ Indoor or outdoor
- ✦ Automatic or manual
- ✦ Interlocking
- ✦ User defined steps

Communications

- ✦ Wireless Gateway
- ✦ Integrated GPRS, 3G or LTE communication
- ✦ Protocol converter
- ✦ VPN and Firewall for secure connectivity



PROAX SUPPORT TEAM



TECH.SUPPORT@PROAX.CA



WESTERN

Vancouver /
Winnipeg
604 597-8830

CENTRAL

Windsor / London /
Sudbury /
Cambridge / Barrie /
Toronto
1 866 592-1240

EASTERN

Montreal / Granby /
Quebec City /
St. John's / Moncton
Halifax
1 800 557-7386

www.proax.ca