



Critical power applications Low voltage circuit breakers & switches

Power and productivity
for a better world™



When reliability is critical, Power protection is essential.



The importance of electricity cannot be underestimated. Our infrastructure is vitally intertwined with reliable power to keep such fundamental services as hospitals, data centers, emergency communication networks and airports running. ABB's low voltage circuit breakers & switches are there to make sure that your critical applications are always functioning- reliably and dependability when you need them most.

ABB is a global technology leader offering:

- Compact dimensions – unmatched performance and quality in a small package. On average ABB switches are 50% smaller than most competitors.
- Bluetooth® – the only power circuit breakers on the market with Bluetooth® communication capabilities for remote supervision and monitoring
- 200kA – Emax fuseless power breakers and all fusible switches have interrupting ratings up to 200kA

ABB is proud to pioneer new heights in safety:

- Touch safe – operators are not exposed to any live parts during maintenance or installation
- Communications capabilities – available on both molded case and power circuit breakers
- Control exposure to Arc Flash:
 - Δ Emax Power Circuit Breakers are certified to PPE Level 1 when installed in a suitable enclosure
 - Δ Emax Power Circuit Breakers with advanced PR123 Trip unit offer dual settings which can be used for personnel protection while maintaining switchgear
 - Δ Tmax Molded Case Circuit Breakers are certified to PPE Level 0 when installed in a suitable enclosure
- Positive position indication – on handle/toggle. OT200 switch with visible blades
- Interlocking features – Available for all switches when used with standard pistol/selector handle. Fuse carriers interlocked when switch is in ON position

ABB is a global company with global products:

- ABB LV circuit breakers and switches carry certifications from all the major regulating bodies such as International Electrotechnical Commission (IEC), Underwriters Laboratories (UL), China Compulsory Certificate (CCC) and Canadian Standards Association (CSA), as well as all of the major shipping registers
- They can be applied and supported in any of the over 100 countries world-wide where ABB operates

ABB service has technicians available 24/7/365:

- Offering comprehensive field maintenance and repair services for planned and emergency work
- Access to authentic parts, original equipment drawings and technical support

Introducing disconnect switches and circuit breakers from ABB.

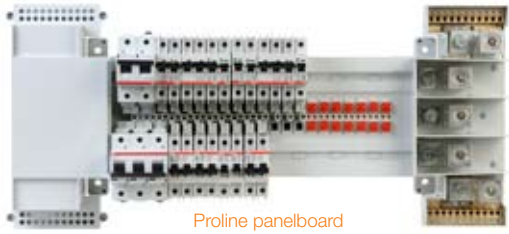


ABB product solutions and applications

Critical Power Technology	Applicable ABB Product	Where is it used?	ABB Benefits	ABB Differentiators
UPS	<ul style="list-style-type: none"> Power circuit breakers Molded case circuit breakers Molded case switches Fusible disconnect switches Non-fusible disconnect switches Cam switches 	<ul style="list-style-type: none"> Switchgear, flywheel UPS, genset output input or output of UPS Circuit/output isolation Semi-conductor protection with high speed fuses Bypass circuits Bypass circuits 	<ul style="list-style-type: none"> Fully electric opening/closing Plug-in & draw out bases Bussing for bypasses Compact size SC+OL current carrying capacity — 	<ul style="list-style-type: none"> 200kA fuseless Excellent AIC in compact size Adjustable thermal magnetic Best I2t in the industry HSF fuses Low I2t rating Flexibility
PDU/RPP	<ul style="list-style-type: none"> Proline panelboard Miniature circuit breakers Molded case circuit breakers 	<ul style="list-style-type: none"> Distribution Distribution 	<ul style="list-style-type: none"> Touch safe Current Limiting Plug-in & draw out bases 	<ul style="list-style-type: none"> True current limiting Touch safe Modular accessories Low I2t rating
Generator sets	<ul style="list-style-type: none"> Molded case circuit breakers Power circuit breakers Fusible disconnect switches Cam switches Double throw switches 	<ul style="list-style-type: none"> Output protection of genset Output protection of genset Output protection of genset Voltage output selector Feed selector 	<ul style="list-style-type: none"> Low magnetic Reliability High SC ratings Compact size Economical solution for non-critical applications Reliability 	<ul style="list-style-type: none"> Adjustable thermal magnetic Modular accessories 200kA up to 1200A Flexibility Global design
Power Transfer Switching (includes breaker transfer pairs, switch transfer pairs and generator paralleling breakers)	<ul style="list-style-type: none"> Power circuit breakers Molded case switches/ molded case circuit breakers Non-fusible disconnect switches Double throw switches 	<ul style="list-style-type: none"> Power switching Power switching Bypass circuits Feed selector 	<ul style="list-style-type: none"> Compact size SC+OL current carrying capacity Economical solution vs. automatic transfer switches 	<ul style="list-style-type: none"> 200kA fuseless / 4 pole UL design Best I2t in the industry Full range open style switches Up to 50% size reduction compared to competition

Contact us

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Find USA Authorized Distributors
www.abb.us/lowvoltage



ABB devotes considerable resources to achieving the objectives of sustainable development and protection of the environment by maintaining its manufacturing processes at high levels of environmental performance and by supplying products and solutions that contribute to improving the efficiency and productivity of plants while at the same time reducing power consumption. By using analysis tools such as Life Cycle Analysis from the initial stages, ABB's design activities include assessment and improvement of the environmental performance of its products throughout their life cycle. In this way, ABB checks and reduces the products' impact on the environment during production, guarantees optimization of their technical and power consumption performances during operation, and defines the options for handling them at the end of their life cycle.

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