As a leader in electrical installation, ABB understands the importance of a comprehensive and reliable product portfolio. ABB offers endless possibilities, all designed to make industrial and building applications intelligent and to shape the future.

**Safety**
Making one’s personal environment safe has always been one of our most important goals. ABB offers a wide variety of safety solutions that provide safeguards to minimize harmful situations.

**Protection**
Protection means safeguarding people, environments and equipment against risks and damage linked to unsatisfactory conditions or breakdowns. ABB’s protection makes installations and equipment safer.

**Comfort**
Modern technologies have all of the necessary features to make home welcoming, highly functional and economically advantageous. ABB offers a range of products designed to increase comfort levels and maximize energy usage.

**Savings**
The increased cost of energy and growing sensitivity over the environment have caused many to pay greater attention to energy efficiency. ABB offers several products designed with innovative functions, efficiency and energy savings as the main focus.

**Markets we serve**
With a wealth of experience providing tailored market solutions, ABB is an ideal strategic partner to address critical needs with specific industry requirements. ABB industrial and building solutions are well-suited for:

- Critical power
- Renewable energy
- Transportation
- Food and beverage
- Semiconductor
- HVAC
Product offering
Designed to meet present and future needs

The measure of an offering’s worth is its completeness and ease of integration. ABB offers innovative solutions that meet and anticipate a wide variety of needs.

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<td>S804PV-S5 S220 S500 S500UC</td>
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Electronic circuit breaker
- EPD24

NOTE: For applications with 24 VDC power supplies.

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Enclosures
- SRN NEMA 12
- SRX NEMA 4X
- Gemini UL NEMA 4X

IEC 60 309
International pin and sleeve devices

Welcome® Door Entry System
Product overview
Wide range, wide reach

**Fuse holders**
ABB offers a wide range of DIN rail mountable UL approved and IP20 fuse holders to fit all control applications. The range offers venting grooves and cooling chambers to improve heat dissipation, increasing the durability and reliability of fuse holders over time. Our ergonomic flip hinge makes fuse replacement easier in small spaces even while wearing gloves. All models offer blown fuse indication for quick identification of fuse failures.

- Class J — 1P, 2P, 3P versions up to 60A at 600V AC/DC
- Class CC — 1P, 1P+N, 2P, 3P, 3P+N, 4P versions up to 30A at 600V AC/DC
- Photovoltaic PV — 1P, 2P versions up to 30A at 1,000V DC
- Midget 10 x 38 mm — 1P, 1P+N, 2P, 3P, 3P+N, 4P versions up to 30A at 600V AC/DC
- 14 x 51 mm and 22 x 58 mm — 1P, 1P+N, 2P, 3P, 3P+N versions up to 50A or 125A at 600V AC/DC

**Miniature circuit breakers (MCBs)**
ABB, the inventor of miniature circuit breaker technology, offers the largest selection of current-limiting, compact, DIN-rail mounted MCBs including solutions for the wind and solar PV markets and for AC and DC applications. Thermal and magnetic trips are provided to cover both overcurrent and short circuit faults.

- UL 489, UL 1077 and IEC
- 0.2 to 125 A, up to 600 V AC/DC, up to 50 kA short circuit protection according to UL
- Accessories — bus bars, auxiliary and signal contacts, shunt trip, under-voltage release and lock out/tag out

**Residual current devices (RCDs)**
ABB offers Ground Fault Equipment Protection (GFEP) devices to protect equipment against damaging line-to-ground currents that can cause serious damage as well as electrical fires caused by residual current. Available models offer delay tripping to avoid nuisance tripping caused by temporary leakage without compromising the safety limits of the device.

- UL 1053 and IEC
- 2-pole, 6A, 10A, 13A, 16A, and 20A with overcurrent protection of B, C, or K characteristics UL 1077 — residual current device RCBO
- 2 and 4-pole, 16A to 100A, 10mA to 1A residual current sensitivity without overcurrent protection — RCCB
Surge protective devices (SPDs)
Surge protective devices are designed to protect against transient surge conditions. Large single-surge events, such as lightning, can reach hundreds of thousands of volts and can cause immediate or intermittent equipment failure. However, most surges occur from internally generated surges such as load switching. SPDs are designed to protect critical power facilities (hospitals, data centers, etc.) as well as renewable energy, water/wastewater and other manufacturing and commercial operations from these surge events.

Joslyn®
- UL 1449 4th edition
- Surge rating 20kA - 400kA per phase
- Wide range of voltage configurations available
- Low let-through voltages provides maximum protection to downstream equipment
- Individually fused MOVs, increases reliability and ensures longer operational life

OVR DIN rail product
- UL 1449 - Type 4 recognized component
- Surge rating of 15kA and 40kA per phase
- Products offered for AC, photovoltaic (PV) and data applications
- Replaceable MOV cartridges and modules
- Visual end-of-life indicator

ProLine UL 67 panelboard
The ABB patented ProLine panelboard is the electrical industry’s first current limiting, touch safe, fully coordinated UL 67 panelboard providing plug-on branch breakers with non-energized bolt on screws.
- Up to 400A bus
- 12, 24 and 42 circuits with options of up to 84 circuits
- 1A to 100A branch breakers
- Up to 35kAIC to 240VAC
- Up to 380Y/277 VAC
Circuit monitoring systems (CMS)
The circuit monitoring system (CMS) is a compact system used for measuring performance of diverse AC and DC load currents to reduce downtime and detect potential issues before they occur. It is easy to use and has intuitive installation and configuration via integrated touch screen (CMS-600) or web client (CMS-700) in original installations or field retrofits.

- Open and closed core sensors up to 160A true RMS with up to 0.5 percent accuracy
- Up to 96 sensors can be monitored by one control unit
- Measured data can be accessed via Ethernet or polled via Ethernet or Modbus RTU protocol interface

Enclosures
ABB offers a complete line of wall mount enclosures in painted steel, stainless steel and polypropylene. The metallic enclosures offer both a blind or transparent door as well as counter doors allowing protection for door mounted devices.

- SR2 painted steel — NEMA 1, 12 and UL 508A listed
- SRX stainless steel — NEMA 1, 3R, 4, 4X, 12; ANSI 304S SS; and UL 508A, UL 50, UL 50E listed
- SRX painted steel — NEMA 1, 3R, 4, 4X, 12 and UL 508A listed
- Gemini UL — NEMA 1, 3R, 4, 4X and UL 508A, UL 50, UL 50E listed
IEC 60 309 International pin and sleeve devices
IEC 60 309 international pin and sleeve devices provide safe, reliable and durable electrical connections for different kinds of industrial applications and work conditions.

- IP67 and IP69K rated watertight connections
- Superior cable strain relief and cable detachment prevention
- Housed in flame safe (per UL 94) UV resistant (per UL 746c) material

Welcome® Door Entry System
Welcome Door Entry System is an easy to install and configure video entry system. Its modular design bolsters its flexibility and ease of upgrade and maintenance. It is designed to complement most home/building decors.

- Supports up to 15,000 apartments
- 2-wire non-polar wire connections and snap-on modules for easy installation
- Modules include card reader, keypad, camera modules, etc.
- Remote access on controls via iOS and Android™ devices