The best solution for every application

Residential, tertiary and industrial sector

Our extensive range of modular DIN Rail components, with protection, command, control and measurement functions, is perfect for meeting all the current requirements of electrical installations, in residential, tertiary and industrial sector.

Railways

The breadth of our product portfolio has allowed us to become leader in the railway sector. This is thanks to the high-performance S200M-UC AC and DC circuit breaker, as well as the S200MT series, particularly suitable for conditions of fire and smoke, in compliance with the French NF F 16-101/102 standard.

Solutions for solar energy

At ABB we provide products specifically designed for protection and operation of AC and DC circuits in solar power plants. These include circuit breakers and switch disconnectors such as S800PV up to 1,200 V DC, E90PV fuseholders, E9F PV fuses, OVR-PV surge protective devices, etc.

Wind power

The outstanding performance of our high voltages devices and our constant innovation have allowed us to become world leader in electrical switchgear for wind-energy sector. The high performance of our S800 circuit breaker series, characterized by the high breaking capacity of 690 V AC, and their combination with the new S800-SCL-SR self-resetting short-circuit current limiter make our range of modular DIN Rail components perfect for the needs of the sector.

Critical Power/Data Centres

In electrical installations such as data centres, banks, hospitals and airports where service continuity is critical, a system that allows the switchgear to connect and disconnect voltages in a totally safe manner is required. The SMISSLINE Touch Proof pluggable socket system ensures an installation safe, flexible and without interruptions.

UL/CSA standards for US and Canada

In order to meet international certification requirements, our modular DIN Rail product portfolio is compliant with a large number of standards from all over the world, with the highly sought-after UL certification met by the S200U, S200UP and S800U circuit breakers and the F200 residual current devices.

Contact us

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Power and productivity for a better world™

Modular DIN Rail components
The best solution for every application

Power and productivity for a better world™

ABB Circuit Breakers
More than 90 years of innovation

- 1922 Invention and development of the first circuit breaker, manufactured in Mannheim, Germany, by Hugo Stotz
- 1943 Start of production at Heidelberg, Germany
- 1999 Launch of the System pro *M* compact® range
- 2010 The improved generation of System pro *M* compact®
- 2012 Next generation S 200 / S 200 M, S 200 M UC and S 200 PR as well as SU 200 PR of System pro *M* compact®

The first "Stotz" circuit breaker

The Stotz Kontakt factory (Heidelberg, Germany)

Why ABB?

- Because we have the most comprehensive and flexible range currently on the market, with presence in all the segments.
- Because we have more than 90 years experience of innovation in the electrical sector always offering the maximum quality for our customers.
- Because our products come with all the relevant certificates and approvals which allow their installation anywhere in the world.

The best solution for every application
A world of advantages

Miniature circuit-brakers

1 S200 Series
Circuit breakers up to 63 A
- S200, S200M and S200P: For residential, commercial and industrial use up to 25 kA.
- S200U, S200UP and SU200PR with certification acc. to: Certification UL489/CSA 22.2 No. 5 (US and Canada).

2 SN201 Series
SN201 series circuit breakers including one pole and neutral in one module width up to 40A specific for household applications and tertiary sector.

3 S800 Series
S800 circuit breakers with high breaking capacity up to 125A
- S800B : 16 kA breaking capacity.
- S800C : 25 kA breaking capacity.
- S800N : 36 kA breaking capacity.
- S800S : 50 kA breaking capacity.

Residual Current protection

4 F200 Series
Residual current devices up to 125 A
- F200: Residential, tertiary and industrial.

5 DDA200 and DDA800 Series
- RCD blocks adaptable to the S200 and S800 circuit-breaker series up to 63A and 100A respectively.

6 DS200 Series
- Circuit breakers and residual current protection in a single device, just two modules width.
- Suitable for residential, tertiary and industrial applications.

7 RD7 residual current relays
- Residual current relays with the possibility to set sensitivity and intervention time.
- Ideal to obtain time and sensitivity combinations and to achieve selectivity with other residual current devices.

Other protection devices

8 OVR series surge protective devices
Protection of electrical equipment against surges caused by lightning or other grid disruptions.

9 E90 fuseholders and fuse disconnectors
- E90: Disconnector series up to 32A.
- E90h: Compact series up to 32A.
- E930: Series up to 125A.

Command and control

10 Contactors, latching relays and installation relays
- ESB and EN series contactors.
- E259 series installation relays.
- E250 and E260 series latching relays.

11 E200 series switch disconnectors
- From 1 to 4 poles.
- Up to 125 A.

12 E210 series on-off switches, push buttons and indicator lamps
- E211 and E218 series on-off switches.
- E213 series change over switches.
- E214 series group switches.
- E215 and E217 series push buttons.
- E219 series single, double and triple indicator lights.

13 D-Line digital and AT analogue time switches
- D1 and D2 weekly digital time switches.
- D365 yearly digital time switches.
- AT analogue time switches.

14 TWA astronomical switches and TW twilight switches
- TWA astronomical switches to activate lighting systems according to the rising and setting of the sun.
- TW twilight switches to control lighting devices according to the level of the ambient light.

15 E234 series electronic timers and E232 series staircase switches
- Wide range of E234.
- E232 staircase timers for household applications.

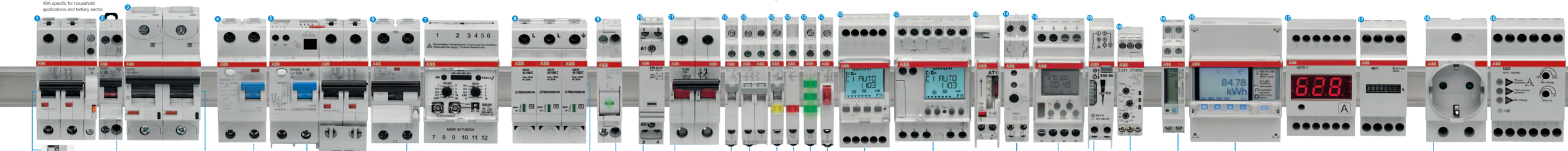
Measurement

16 EQ digital electricity meters
- C series, extremely compact meters.
- B series, compact with communication features.
- A series, functionality beyond comparison.
- Functionalities associated to a "metal scale" assigned to each model (steel, bronze, silver, gold and platinum).

17 Digital and analogue measuring instruments
- AMTD and AMT ammeters.
- VLMD and VLM voltmeters.
- FRZ frequency meters.
- DMTME multimeters.
- E233 and HTM hour counters.
- Current and voltage transformers.

Other functions

18 Extensive range of other modular devices
- Modular sockets.
- Light dimmers.
- Priority switches and overload relays.
- Control, isolating and safety transformers.
- etc.



- Increased terminal opening for higher wire gauges up to 35mm².
- For conductors with or without connector sleeves.
- Fulfills still the requirements for protection degree IP20 (finger safe) acc. to IEC/EN 60529.
- Integrated plate protecting flexible cables from damage and homogenous pressure in the terminal opening.

- Multiple certification marks visible on the upper and lower face of the S200 circuit breakers.
- Laser marking for reliable readability.
- Real contact position indication, directly connected to the moving contact, for more comfort and safety.
- Individual identification code for each MCB on the front.

- Switch with intermediate trip position (TRIP).
- S800 circuit breakers differentiate manual actuation from over-current trip.

- Label-holder built into SN200 circuit breakers.
- Easy identification of protected circuits.
- One pole plus neutral in a width of just 17.6 mm.

- The green/red switch colour clearly indicates the connected/disconnected status.

- Terminal on the front face for fail-safe function.

- Includes RFID label.
- Prevents forgeries through the inclusion of a serial number in compliance with the ISO/IEC FCD 15693-3 standard.

- Failsafe bi-directional cylinder-lift terminal at top and bottom (available for the entire *System pro M* compact range). Ideal for connection of cables and busbars simultaneously.

- Displays the cause of the trip of the DS200 residual current breaker.
- Blue (residual current) trip or black (over-current trip indications).

- Contact position indicator visible on the front of the DS200 residual current breaker.

- Visual indicator of the remaining life of the OVR surge protective device.
- Option to include remote signalling contacts of the OVR status.

- Blown fuse indicator light on the front part of the E90 fuseholder.

- Currents up to 125A.
- From 1 to 4 poles.
- Option to include an add-on of up to 3 auxiliary contacts.

- Extremely quiet.
- Variety of control voltages.
- Multiple combinations of NO and NC contacts.
- Function modes selector: Automatic/Manual/Disconnected (EN series).

- Multiple command and control functions in the ultra-compact design (9mm width) of the E210 series.

- Up to 3 E219 LED indicator lights in a width of just 9 mm.
- LED indicators guarantee an optimal illumination with very low consumption.

- D-Line series weekly and annual digital time switches.
- Multiple communication options.
- Wide range of programs: standard, cyclic, casual and holiday.
- White backlit LCD display.

- Easy to program.
- Ideal for public lighting, stores lighting, monuments, etc.

- Connection and disconnection time delays.
- Continuous and impulse signals among multiple options.

- Single-phase and three-phase metering.
- Direct reading up to 80A or indirect reading through current and/or voltage transformers.
- High precision with an accuracy class up to 0.5.
- Reading of generated/consumed and active/reactive energy.
- Up to four tariffs.
- Up to eight channels of load profiles.
- Previous values for several quantities.
- Possibility of built-in serial communication interfaces.
- Multiple communication options.
- Possibility of internal clock for advanced functionalities.

- C11 single-phase digital electricity meter with ultra-compact design just one module wide.
- C13 three-phase digital meter with ultra-compact design just three modules wide.
- Both unique on the market.

- The range includes products complying with the most widespread standards (German, Italian, French...).
- Different colours for easy identification.
- Safety shutters and optional cover.