System pro E power
Rear Busbar System
Rear Busbar System

The ABB range of metal enclosures for main distribution is now enhanced with the new System pro E power Rear Busbar System. The columns have a functional height of 2000 mm and a functional depth of 500, 700, and 900 mm. Different widths can be selected (functional 300, 400, 500, 700, 900, 1100 and 1250 mm) depending on the device type and quantity.

Security
• Tested to IEC 61439-1/-2
• Installation of the surge arrester in compliance with IEC 61439-1/-2
• IPXXB touch guard covers

Reliable in extreme conditions
Thanks to the tests performed on the product, the enclosures can stand a rated short-time withstand current (Icw) up to 150 kA and a Maximum rated current up to 6300A. The safety is also guaranteed by the complete range of segregation forms up to form 4b.

Efficiency
• MBB and DBB in one system
• High packing density
• Compact design
• Save at least 50% of copper
• Space saving

Compatibility
• Combination possible with standard CombiLine N modules
• Installation of MCCBs Tmax and ACBs Emax 2
• Installation of fuse switch disconnectors InLine II
• Switch disconnectors fuse Slimline XR
• Installation of XLine in horizontal and vertical position

Space saving
Efficiency
Footprint optimization thanks to width section designed to optimize breaker dimensions

Speed up your projects
Productivity
Easy to be configured with full compatibility with ABB devices.

Safety and protection
Reliability
Type tested solution up to 6300A and 150kA
Rear Busbar System

Electrical features

Segregation forms
- 2a/3a, 3b, 4b

Incoming/Outgoing section
- Breaker: from Tmax T5 to Emax E6.2
  - In: up to 6300A
  - Breaker kit Tmax T5 in vertical installation:
    - rating 400 A
    - Blind panels
    - Segregations
    - Side-by-side configuration available
  - Breaker kit Tmax T6 in vertical installation:
    - rating 630 A, 800 A, 1000 A
    - Blind panels
    - Segregations
    - Coupler and side-by-side configurations available
  - Breaker kit Tmax T7 in vertical installation:
    - rating 800 A, 1000 A, 1250 A, 1600 A
    - Blind panels
    - Segregations
    - Coupler and side-by-side configurations available
  - Breaker kit Emax E1.2 in vertical installation
    - Blind panels
    - Segregations
    - Coupler and side-by-side configurations available
  - Breaker kit Emax E2.2 in vertical installation
    - Blind panels
    - Segregations
    - Coupler configuration available

Outgoing section
- Pluggable solution
- Breakers from Tmax XT1 to Tmax T6 (horizontal and vertical) SlimLine
- Fuse switch disconnector: size 00-1-2-3 of In-Line II ZHBM, Jean Müller SL, Wöhner QU185, Efem E3
- Breaker kit from Tmax XT1 to Tmax T6 in vertical or horizontal installation, fixed or fixed motor operated
- Possibility to mount SlimLine 3-4 poles in the same column
- Distribution busbars: 50x10, 60x10, 80x10, 60x10, 80x10, 100x10, 100x10 (from 1000 A to 2000 A, 75 kA) 120x10 (from 1250 A to 2200 A, 100 kA)
- Connection between distribution and main busbars
- Blind panels
- Connection to the main busbars
Due to possible developments of standards as well as of materials, the characteristics and dimensions specified in this document may only be considered binding after confirmation by ABB SACE.