The flexible and powerful brake control system family provides mainly brake cylinder pressure control for central (per-car control) and decentralized (per-bogie control) systems. Its modular design of electronic and pneumatic modules makes it configurable for most train applications. Anti-skid valves as well as different auxiliary control functions can be integrated into the module as an option.

**CUSTOMER BENEFITS**
- Market-proven technology
- Flexible and extensible system layout for numerous system configurations
- Maximum economy thanks to standardized modules
- Straightforward service and maintenance concept
- Discrete but highly integrated components

**APPLICATIONS**
- High-speed trains
- Metros
- Regional & commuter trains

**EP Compact System Family**

The flexible and powerful brake control system family provides mainly brake cylinder pressure control for central (per-car control) and decentralized (per-bogie control) systems. Its modular design of electronic and pneumatic modules makes it configurable for most train applications. Anti-skid valves as well as different auxiliary control functions can be integrated into the module as an option.
PNEUMATIC UNITS

EP Compact

- based on PU-x = highly-integrated electropneumatic modules
- PU-C: brake cylinder pressure control with continuous load correction
- Optional modules attached to PU-C achieve outstanding functional integration:
  - PU-W: wheel slide protection
  - PU-P: parking brake
  - PU-M: magnetic track brake control
  - KKL2: distributor valve (indirect brake)
- Further extendable by PLUS modules

EPC LITE

- Reduced level of functional integration by using discrete components
- Core function: brake cylinder pressure control with pneumatic load limitation
- Extendable by PLUS modules

PLUS modules

- Standardized extension boards with a common form factor for various auxiliary functions, e.g. sanding, pantograph, MTB, WSP, air suspension, … or any special need if required

INTEGRATION WITH ELECTRONIC UNITS

Detached electronic unit …

- … allows separate positioning of pneumatic & electronic units in tight installation space situations
- Electronic unit can be placed in an underfloor or indoor housing, or in an industry-standard 19” rack

Attached electronic unit …

- … allows compact all-in-one solutions to minimize final-assembly (cabling) effort
- Different underfloor electronic units keep pace with the functional variability