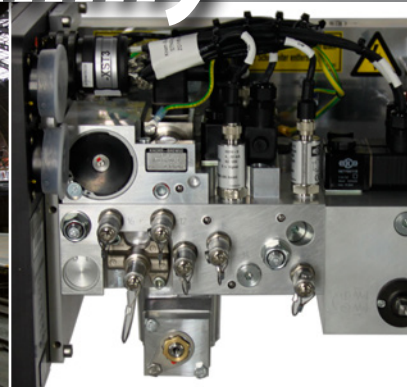
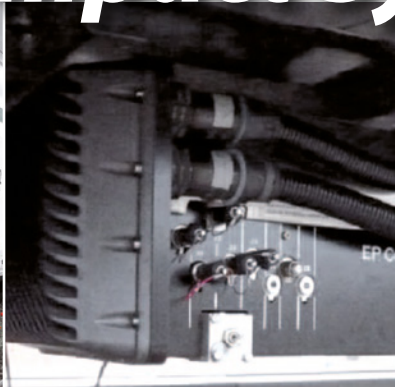


EP Compact System Family



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.

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

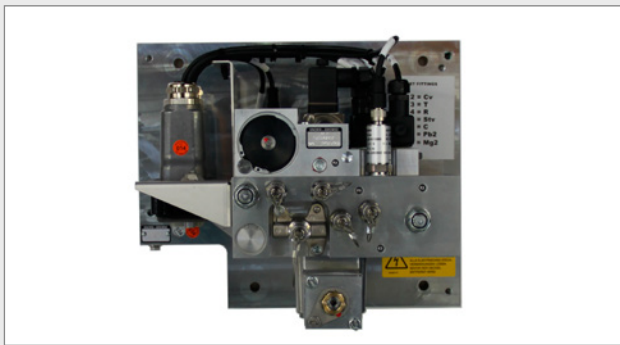
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PNEUMATIC UNITS

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



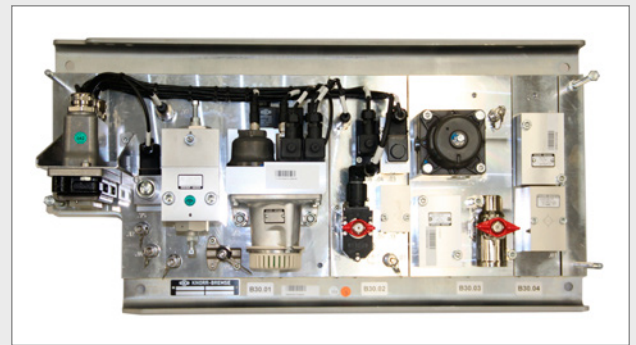
Core EP Compact (PU-C only) for detached electronics

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



EPC Lite extended with 3 PLUS modules for detached electronics

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

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