Modules for Power Factor Correction Systems
Type C

Decisive Advantages

- Compact compensation module
  – Ideal for mounting in all common switchgear systems
- High performance in the smallest possible space
  – Up to 100 kvar for each module, with or without reactors
- Up to 5 modules per cabinet
  – Supplying 500 kvar even with 7 % reactors
- Easy to service with a common bus bar
  – Upright bus bar and NH fuse elements. No special cable required between the individual modules for systems with two or more units

Design

Mounted and fully-wired galvanized sheet steel chassis consisting of:

- Self-healing power capacitors with a low-loss polypropylene foil dielectic and PCB-free filler, type LKT with discharge resistors acc. to DIN VDE 0560 parts 46 and 47, EN 60831-1 and 2 as well as IEC 831-1 and -2.
- Capacitor contactors with leading resistor contacts attenuate current peaks
- Common mounting rail with locking elements
- Fuse elements, 3-pin, NH00
- Low-loss filter reactors with temperature switches for the following series resonance frequencies:

Version	Series resonance frequency	Detuning factor	For mains with utility audiofrequency[1)]
-P1	134 Hz	p =14 %	≥ 166 Hz
-P7	189 Hz	p = 7 %	≥ 228 Hz

[1)] Please observe any deviation from utility company requirements.

In addition, also note version specifications given in our Manual of Power Factor Correction.

Quick Mounting with Multifunctional Rails

When designing this series, special attention was given to the simplest way of installing modules in all commonly used switchgear systems. The mounting rails used (shown in grey in the dimensional sketch) can be supplied as an optional accessory. These replace the time-consuming work of installation and drilling. Only the control unit cutout and ventilation holes are required. Once the rails are mounted, the modules are simply inserted and firmly attached by two screws – it couldn't be simpler!