

Example for the configuration of an 8MF cabinet

Compact cabinet for thyristor constant-current controller

Applications

The standard compact cabinet design includes the installation of max. 6 constant-current controllers, models 6SF5118 (40A) and MCR 5000 (43A), including the respective power components and monitoring devices for airfield lighting system series circuits.

Alternatively, the compact cabinet can be used to house 3 BRITE-MASTER system units with a total circuit output of max. 40 kVA.

Characteristics

- Modular configuration
- Easy retrofitting up to maximum configuration
- Cost-effective due to modular design
- Cost-effective refitting from 6SF51 technology to MCR technology
- Transparent configuration of functional units
- Space-saving configuration compared to FAA configuration
- Complete, checked plug-in unit



Technical summary

- Module design: Two electronic power modules and a control module cover the entire output range from 2.0 to 30 kVA. Both module types are designed as plug-ins
- Flexible configuration, i.e. 6 x 43A controllers or 3 x 110A controllers or a mixture of both output ranges
- Mixed configuration of standard system and BRITE-MASTER system possible
- Low space requirements
- Cooling with natural air circulation Other ventilation not required
- Single disconnection of circuits with 2-pole fuse switch-disconnector
- Supply via busbar systems, extendible to other compact cabinets
- Series circuit transformers from various manufacturers can be installed, with various outputs and dimensions
- Spatial separation between power and control cables
- Sufficient contact protection of live components even with open doors
- Free access to controller even with closed doors
- Power and control modules are integrated in a standard 19" rack
- Integrated lamp failure message
- Integrated isolation monitoring
- All equipment variants of the 8MF cabinet system possible

Regulations

DIN VDE 0660 Part 500

IEC 439-1

EN 60439-1

DIN VDE 0660 Part 100

DIN VDE 0110