WATER COOLED THYRISTOR RECTIFIER

TECHNICAL DATA

Mains: 3x400V / 50Hz (worldwide mains-conditions possible)
Regulating: current and/or voltage with 1% accuracy
Setting range: stepless electronic 0...100%
Signals: current, voltage, status, fault (fault signals optional)
Control: 5 inch touch panel with Profinet connection
Ripple: approx. 5% at regulated full-DC-output voltage (optional smoothing)
Rectifier connection: 6-pulse rectifier-connection (optional 12-pulse)
Operating mode: 100% duty cycle
Ambient temperature: +35°C (higher temperature conditions possible)
Water inlet temp.: +18 to 30°C
Temperature difference: 10K
Detection: phase position, phase rotation, phasen loss, over current relay, mains low voltage, short-circuit
detection, temperatures, water flow, water pressure
Degree of protection: IP00 to IP54 (with air-water heat exchanger)

OPTIONS

- Field-bus interface (Profinet; Profinet; Modbus; RS-485 etc.)
- Electronic change (bipolar operation 2 x M3.2C or 2 x B6C)
- Transformer tappings
- Smoothing devices (L and LC smoothing up to 1% possible)
- Ah-counter-integration
- Separate design of control and power section (IP20 / IP54)
- Closed internal water circuit with water/water heat exchanger
- Special designs according to customer requirements possible without any problems
- Our power sources can be connected in parallel for power multiplication