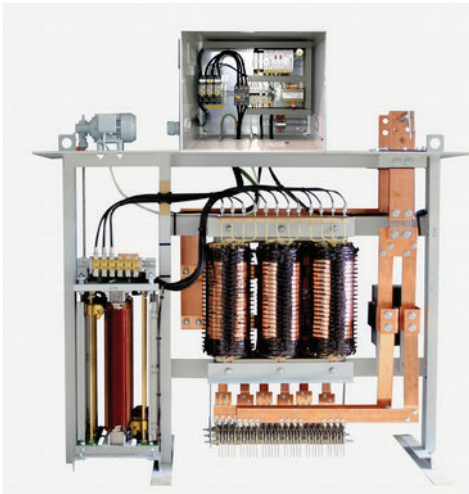


# Regulating-transformer-rectifier



The rectifier construction of the production series **regulating-transformer-rectifier** in principle is characterized by motorised adjustable regulating transformer and high current transformer with a secondary connected silicon diode stack in 6-pulse-rectifier connection. The reliable rectifier is suitable also for aggressive environmental conditions.

#### Single rectifiers from:

$UDC$  = 2 - 150V  
 $IDC$  = 100 - 20.000A

#### Technical Data:

Mains:	3x400V / 50Hz (worldwide mains-conditions possible)
Regulating:	digital raise/lower signal (stepless 0...100%)
Signals:	current, voltage, status, fault (Singles fault optional)
Control:	interface for external control
Ripple:	< 5% over the whole range
Rectifier connection:	6-pulse rectifier-connection(M6; M3.2; B6)
Operation mode:	100% duty cycle
Temperature:	+35°C (higher temperature conditions possible)
Cooling:	oil cooled (option oil/water heat-exchanger)
Detection:	phase position; phase rotation; phase loss; mains low voltage; short-circuit detection; temperatures
Degree of protection:	control cabinet IP21 - tank IP54

#### Options:

- Field-bus interface (Profibus; Interbus-S; CAN-Bus; RS-485 etc.)
- Electromechanical switch of DC-output polarity (mechanical pole-changer)
- Mains transformer tapings
- Smoothing devices (L and LC smoothing <1% possible)
- Ah-counter-integration
- Remote control (optional with time relay control or PLC-control)
- Special taylor custom made constructions

#### Oil cooling shields and cools:

- Efficient cooling of all parts
- Protection from Corrosion
- Suitable for outside location
- Silent Operation
- Low Maintenance and high reliability



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