



# EXPLOSION PROOF RECTIFIER

**IPSORGB**  
**FEST**

## 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:	interface for external control
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:	10 K
Detection:	phase position, phasen rotation, phase loss, over current relay, mains low voltage, short-circuit detection, temperatures, water flow, water pressure
Degree of protection:	IP54 bis IP66 (with additional air- water- heat-exchanger)

## OPTIONS

- Field-bus interface (Profibus; Profinet; Modbus; RS-485 etc.)
- Electronic switch of output polarity (bipolar mode 2 x M3.2C or 2 x B6C)
- Transformer taps
- Smoothing devices (L and LC smoothing up to 1% possible)
- Ah-counter-integration
- Separate design of control and power section (IP20 / IP66)
- 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

