



# MECC ALTE DER2 AUTOMATIC DIGITAL VOLTAGE REGULATOR

**Product price:**

**503,33 € tax excluded**

## **Product description:**

### MECC ALTE DER2 AUTOMATIC DIGITAL VOLTAGE REGULATOR

Regulator Mecc Alte DER2 fully digital voltage-controlled for synchronous alternators, prepared for stand-alone operation and calibration.

MECC ALTE DER2 natively includes USB port for monitoring and control from computer and HDR module.

High Dynamic Response allows faster reduction of excitation current than conventional controllers and consequently lower transient overvoltage as a result of load shedding.

The supervisory unit may consist of a personal computer, another "synoptic" device, or both; it does not have the real-time control function, but allows programming and display of all MECC ALTE DER2 functional parameters, via the USB port mounted on the board.

## TECHNICAL CHARACTERISTICS MECC ALTE DER2

Power supply: 40 ÷ 270 Vac

Frequency operating range: 12 Hz ÷ 72 Hz

Regulation accuracy:  $\pm 1\%$

Regulation accuracy (stabilized conditions):  $\pm 0.5\%$

Maximum continuous output current: 5 Adc

Ambient temperature:  $-25^{\circ}\text{C} \div +70^{\circ}\text{C}$

Voltage regulation range: 75 ÷ 300 Vac

Transient voltage drop and overvoltage: within  $\pm 15\%$

Recovery time: within  $\pm 3\%$  of set value in less than 300 msec

Sensing: single-phase or three-phase

Mecc Alte DER2 Functionality





Power connections on 20-pin Fast-On connector  
Power winding protection with 5A fuse (fast)  
Analog remote control of output voltage by external signal  $0 \div 2.5$  Vdc or  $-10 \div 10$  Vdc  
Remote control of output voltage by external potentiometer (25Kohm or 100Kohm)  
Low speed protection with adjustable threshold and slope  
Overvoltage and undervoltage alarm  
Excitation overcurrent protection with delayed tripping  
Under-excitation/loss of excitation alarm  
Transient short-circuit management (asynchronous motor starting)  
High Dynamic Response: load shedding management unit  
Open collector (non-isolated) output for signaling protections tripping with programmable activation with respect to individual alarms and selectable tripping delay and active level  
Storage of abnormal operating conditions (type of alarm, number of events, duration of last event, sum of times)  
Storage of the operating time of the board  
Communication via isolated USB port on board

Are you looking for a regulator with different technical characteristics? [HERE](#) you can find the area dedicated to regulators from MeccAlte or other specialized brands.

Non-binding images and technical data.

**Product features:**

Frequency (Hz): 50 / 60  
Temperature range for use (°C): -25 +70  
Type of regulator: Voltage  
Voltage regulator: AVR  
Weight (Kg): 1  
Supply Voltage:  $40 \div 270$  Vac  
Precision of voltage regulation:  $\pm 1\%$

