



MECC ALTE DER2 AUTOMATIC DIGITAL VOLTAGE REGULATOR

Reference: 4505005535

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: ± 1%
Regulation accuracy (stabilized conditions): ± 0.5%
Maximum continuous output current: 5 Adc
Ambient temperature: -25°C ÷ +70°C
Voltage regulation range: 75 ÷ 300 Vac
Transient voltage drop and overvoltage: within ± 15%
Recovery time: within ± 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 ÷ 2.5 Vdc or -10 ÷ 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.

Technical Sheet

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