



MECC ALTE DSR AUTOMATIC DIGITAL VOLTAGE REGULATOR

Reference: 4505005560

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Regulator Mecc Alte DSR fully digitally controlled and is mounted standard for voltage control on MECC ALTE ECO and ECP alternators.

Connections on the DSR are via 15 fast on/fast off connectors which speed up the connection process. This is and particularly useful if a 12-wire machine needs to be reconnected to a specific voltage. This regulator is compatible with all our ECO and ECP series machines and can be used standard with the MAUX system and with the PMGs, so there is no need to change regulator. Its standard reference is; single-phase.

Connection via external communication card (DxR or DL1), PC connection (RS232 or USB) or PLC connection (RS485 via MODBUS) is available. This allows you to change the regulator settings, monitor real-time performance (Voltage, Frequency or DSR status), or download the alarm report (communication software is available from Mecc Alte).

TECHNICAL SPECIFICATIONS MECC ALTE DSR

Power supply: 40 ÷ 270 Vac

Frequency operating range: 15 Hz ÷ 72 Hz

Regulation accuracy: ± 1%

Maximum continuous output current: 5 A_{dc}

Ambient temperature: -25°C ÷ +70°C

Regulation True RMS or average value measurement: 70 ÷ 280 Vac

Transient voltage drop and overvoltage: within ± 15%

Voltage recovery time: within ± 3% of the set value in less than 300 msec

Transient overvoltage on starting: less than 5% with respect to the nominal voltage

Sensing: Single-phase

Parameters (software programmable): VOLT, STAB, AMP and Hz settable via trimmers (default)

50/60 Hz via "jumper" (default)

Features & DSR

- Possibility analogue remote control of the output voltage or with a 10Kohm linear potentiometer
- Low speed protection; with adjustable threshold and slope
- Overvoltage and undervoltage alarm
- Excitation overcurrent protection with delayed trip
- Management of transient short circuits (starting of asynchronous motors)
- Open collector output (not isolated) for protection intervention signaling with programmable activation with respect to the individual alarms, possibility of intervention delay and selectable active level
- Storage of anomalous operating conditions (type of alarm, number of events, duration of the last event, sum of times)

- Memorisation of board operating time (starting from Firmware version 11)
- USB communication interface (with optional USB2DxR module)

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

Images and technical data are not binding. Please always consult the technical data sheet issued by the manufacturer. Manel Service accepts no liability for any changes made by the manufacturer.

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%