

DSR Characteristics

Variable voltage supply	40 ÷ 270 Vac
Frequency range	15 Hz ÷ 72 Hz
Precision of voltage regulation	± 1%
Maximum continuous output current	5 Adc
Environmental temperature	-25°C ÷ +70°C
Regulation	True RMS or average measurement (70÷280 Vac)
Transient power drops and overvoltage	within ± 15%
Voltage recovery time	within ± 3% of the value set, in less than 300 msec
Transient overvoltage during start up	less than 5% of nominal voltage
Sensing	Single phase VOLT, STAB, AMP and Hz can be set with trimmers (default)
Parameters (can be programmed via software)	50/60Hz through a “jumper” (default)

Features

Analogical remote control of output voltage is possible through external voltage (0÷2,5Vdc) or with a 10 Kohm linear potentiometer

Underspeed protection with adjustable threshold and slope

Overvoltage and undervoltage alarms

Excitation overcurrent protection with delayed intervention

Management of temporary short circuits (start up of asynchronous motors)

Open collector output (not insulated) signalling intervention of protective devices (insulation on optional DI1 module) with programmable activation with respect to the individual alarms and the possibility to delay intervention

Abnormal operation conditions storage (type of alarm, number of events, duration of the last event, total time)

Memorization of the regulator operation time (starting from revision 11 of the Firmware)

USB communication interface (with an optional USB2DxR module)