

DER1 Characteristics

Variable voltage supply	40 ÷ 270 Vac
Frequency range	12 Hz ÷ 72 Hz
Precision of voltage regulation	± 1%
Precision of voltage regulation (stabilized condition)	± 0,5%
Maximum continuous output current	5 Adc
Environmental temperature	-25°C ÷ +70°C
Voltage regulation	75÷300 Vac
Transient voltage drop and overvoltage	within ± 15%
Voltage recovery time	within ± 3% of the value set, in less than 300 msec
Sensing	Single phase or Three 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

Power connections through 20 poles Fast-On connector
Protection of power winding with 5A fast acting fuse
0 ÷ 2,5Vdc or -10 ÷ +10Vdc external voltage for analogical remote control of output voltage
Remote control of output voltage through external potentiometer (from 25Kohm to 100Kohm)
Underspeed protection with adjustable threshold and slope
Overvoltage and undervoltage alarms
Excitation overcurrent protection with delayed intervention
Underexcitation alarm/loss of excitation
Management of temporary short circuits (start up of asynchronous motors)
Open collector output (not insulated) signalling some alarm intervention with programmable activation in respect of each alarm and possibility of the intervention delay and selectable active level
Allarm conditions storage (type of alarm, number of events, duration of the last event, total time)
Memorization of the regulator operation time