

<b>Remote AVF negative input from motor armature See T41</b>	<b>RA-</b>	<b>T43</b>
<b>Unconnected terminal. Leave this terminal free of connections.</b>	<b>NC</b>	<b>T44</b>
<b>Volt free contact for main contactor coil.</b>	<b>CON1</b>	<b>T45</b>
<b>Rating up to 240V 500VA.</b>	<b>CON2</b>	<b>T46</b>
<b>Volt free contact for latching contactor push button. Rating up to 240V 500VA.</b>	<b>LAT1</b>	<b>T47</b>
<b>See 4.3.4 Using pushbuttons for simple STOP / START (Coast to stop)</b>	<b>LAT2</b>	<b>T48</b>
<b>EARTH on 51 is a dirty earth connection to the control supply</b>	<b>EARTH</b>	<b>T51</b>
<b>L and N is for control power 100-240V 50/60Hz +/-10% 50VA</b>	<b>N</b>	<b>T52</b>
	<b>L</b>	<b>T53</b>

If the voltage falls below 80V AC the unit will commence an orderly shutdown sequence.  
See 3.6 Supply loss shutdown.

### 3.5.2 Summary of default terminal functions

OV terminal		OV	T1
Aux Speed Reference	Analogue Input	UIP2	T2
Speed Reference/Current Demand	Analogue Input	UIP3	T3
Ramped Speed Reference	Analogue Input	UIP4	T4
Lower Current Clamp (-ve)	Analogue Input	UIP5	T5
Main Cur Limit/ Upper Current Clamp (+ ve)	Analogue Input	UIP6	T6
Motorised pot simulator, preset enable	Digital Input	UIP7	T7
Motorised pot simulator, Increase	Digital Input	UIP8	T8
Motorised pot simulator, Decrease	Digital Input	UIP9	T9
Speed feedback	Analogue Output	AOP1	T10
Total speed reference	Analogue Output	AOP2	T11
Total current demand	Analogue Output	AOP3	T12
OV terminal. Protective clean earth connected here.		OV	T13
Spare input	Digital Input	DIP1	T14
Marker input	Digital Input	DIP2	T15
Encoder (B train or sign)	Digital Input	DIP3	T16
Encoder (A train)	Digital Input	DIP4	T17
Zero reference interlock	Digital Input	DIO1	T18
Jog mode select	Digital Input	DIO2	T19
Ramp hold	Digital Input	DIO3	T20
Dual current clamp enable	Digital Input	DIO4	T21
Zero speed	Digital Output	DOP1	T22
Ramping flag	Digital Output	DOP2	T23
Drive healthy	Digital Output	DOP3	T24
OV terminal.		OV	T25
DC Tachogenerator input		TACH	T26
User +10V reference		+10V	T27
User -10V reference		-10V	T28
Armature current output		IARM	T29
Motor thermistor input		THM	T30
Run	Digital Input	RUN	T31
Jog	Digital Input	JOG	T32
Start/stop contactor control	Digital Input	START	T33
Coast stop contactor control	Digital Input	CSTOP	T34
+24V Supply	Output	+24V	T35
OV terminal		OV	T36