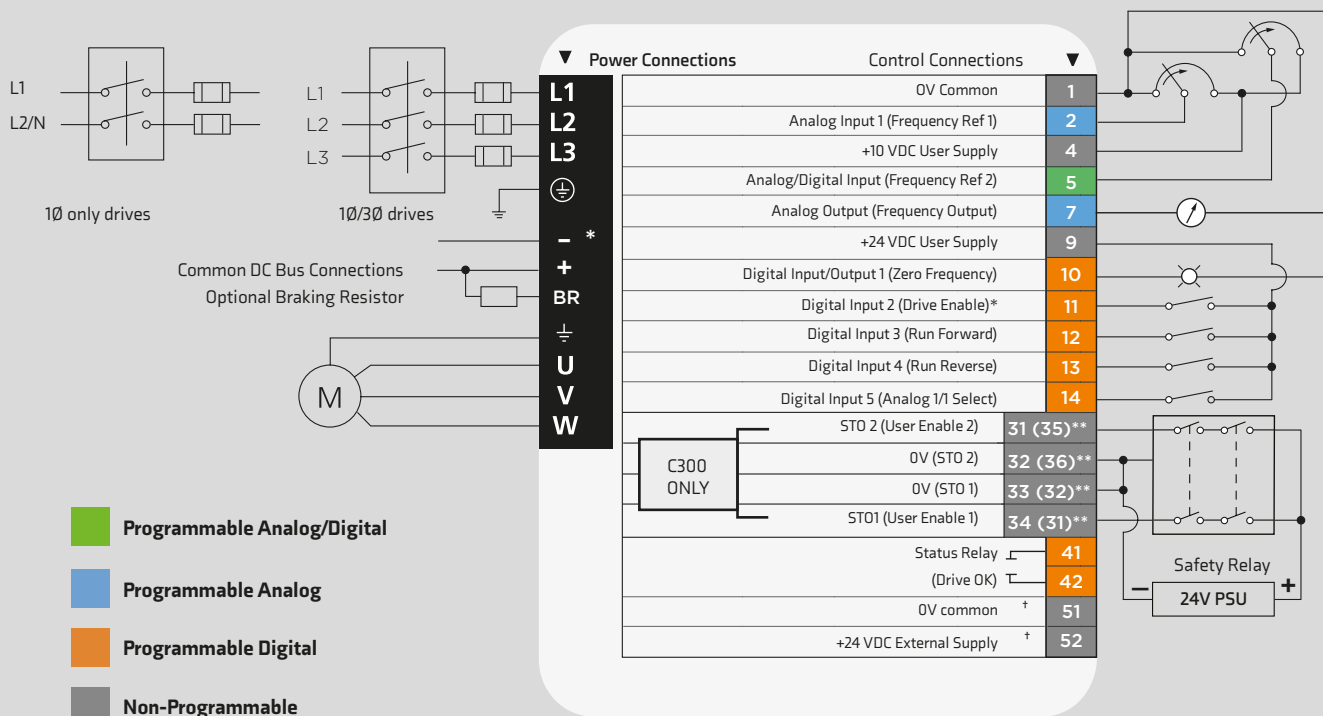


COMMANDER C

TERMINAL DIAGRAM



Pin#	Default Function	Type/Description	Notes
1	0V Common	Common for external analog signals	
2	Frequency reference 1	Single ended analog input 11 bit	0 to +10 Vdc, 0-20 mA or 4-20 mA or 20-4 mA or 20-0 mA
4	+10 Vdc user supply	Reference supply	5 mA Output current
5	Frequency reference 2	Single ended analog input 11 bit or digital input	0 to +10 Vdc or 0 to +24 Vdc
7	Output frequency	Single ended analog output	0 to +10 Vdc
9	+24 Vdc user supply	Digital I/O supply	100 mA
10	At zero frequency	Digital I/O 1	0 to +24 Vdc
11	Enable*	Digital input 2	0 to +24 Vdc
12	Run forward	Digital input 3	0 to +24 Vdc
13	Run reverse	Digital input 4	0 to +24 Vdc
14	Analog input 1/2 select	Digital input 5	0 to +24 Vdc
31(35)**	Safe Torque Off/Drive enable	STO 2	0 to +24 Vdc
32(36)**	0V STO 2	0V STO 2	0V common for STO 2
33(32)**	0V STO 1	0V STO 1	0V common for STO 1
34(31)**	Safe Torque Off/Drive enable	STO 1	0 to +24 Vdc
41	Status relay (drive OK)	Normally open contact	2 A, 240 Vac, 0.5 A, 30 Vdc inductive load
42			
51 †	0V common	Common for backup supply	
52 †	+24 Vdc external supply	Backup control supply	24 Vdc, 40 W

Notes

* C300 uses STO, so terminal 11 is unassigned

** Frames 1 to 4 (Frames 5 to 9) - different terminals by frame size

Frames 1 to 4 - the 0V terminals on the Safe Torque Off are isolated from each other and the 0V common

Frames 5 to 9 - the 0V terminals on the Safe Torque Off are not isolated from each other and the 0V common

The Safe Torque Off / Drive enable terminal is a positive logic only input

† Terminal 51 and 52 must be connected to an external 24 V power supply if backup is required (frame sizes 6-9 only)