WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE - DRIVE TERMINAL RED - AC CONTROL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND H\* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER \_L1\_(<u>L1)</u>\_\_(T1) 5L1 VLT INPUT SUPPLIED T1/U/96 [F16A] L1/R/91 5L2 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) BRANCH L2 (L2) (T2) BLK 2L2 3L2 (L2) T2 3 PH, 240V, L2/S/92 T2/V/97 DRIVE CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION L3/T/93 T3/W/98 (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN DRIVE DISCONNECT DISCONNECT (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED X2 100 WHT F12 115VAC HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 7)FAN 1 (SET: 80°F) (9) (23) (24) TB2 TS1 FAN 2

WARNING!

THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED FOR YOUR APPLICATION.

#### NOTES:

1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. BRANCHCIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD CURRENT RATING.
- 4. REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY, CONTACT MUST BE RATED 1/4 HP @ 120VAC MINIMUM.
- 5. PANEL MAY REQUIRE DERATING, CONSULT DRIVE MANUAL OR FACTORY FOR FOLLOWING CONDITIONS:

TO SHEET 2

- 5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- 5.2. HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS

## DRIVE PARAMETER SETTINGS

PARAMETER #	NAME	SETTING	VALUE	
0-02	MOTOR SPEED UNIT	1	HZ	
0-03	REGIONAL SETTINGS	1	NORTH AMERICA	
1-03	TORQUE CHAR.	3	AUTO ENERGY OPTIM VT	
5-02	TERMINAL 29 TYPE	1	OUTPUT	
5-31	TERMINAL 29	5	RUNNING	
14-20	14-20 RESET MODE		INFINITE AUTO REST	

В		
Α	SP10119	11/10
DR	SP10076	09/10
REV	ECN	DATE

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DRN D TM

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MODEL

VLT

TO SHEET 2

NAME NEMA 3R,240V,2C ,MAIN & DRIVE DISC, DRIVE FUSE ,3MB1,SINGLE MOTOR,2 FAN

SINGLE MOTOR,2 FAN
PAGE 1 OF 2 SIZE

NO.

DWG 1 9 5 D 1 1 4 6

WIRE COLOR SCHEME BLACK - LINE VOLTAGE RED - AC CONTROL WHITE - AC GROUNDED

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

## TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

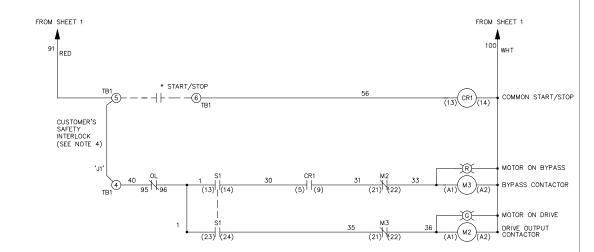
 $\overline{\otimes}$ - CUSTOMER TERMINAL

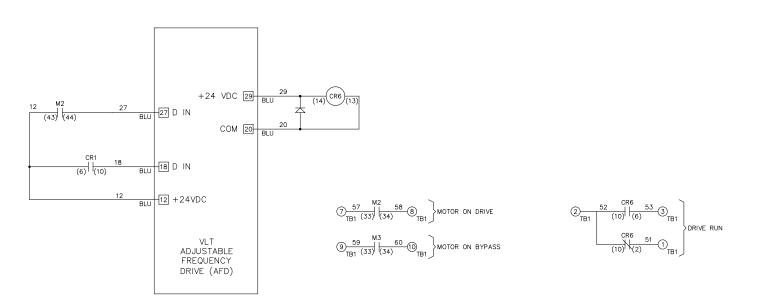
### CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING			
CR1, CR6	5A @ 120VAC 1/10 HP @ 120VAC			
M2, M3	10A @ 120/240VAC			

# CONTACT SEQUENCE CHART FOR S1

A INDICATES CONTACT CLUSED						
POSITION						
CONTACT	DRIVE	OFF	BYPASS			
13-14			Χ			
23-24	Χ					





В		
Α	SP10119	11/10
DR	SP10076	09/10
REV	ECN	DATE

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,	DRN	D TM
	* D D	

DTM

NAME NEMA 3R,240V,2C ,MAIN

&	DRIVE	DISC,	DRI	Æ	FUSE	-			
1B1,	SINGLE	E MOTO	OR,2	F	AN				
								*	•

page  $\underline{2}$  of  $\underline{2}$   $\left| \begin{array}{c|c} \text{SIZE} A & \text{DWG 1} \\ \text{NO}. \end{array} \right| \begin{array}{c|c} \hline{85B} \end{array}$ MODEL VLT