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 (U1) (U2) 4L1 (F16A) \_L1\_(<u>L1)</u>\_\_(T1) 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 POWER 3L2 (V1) (V2) 4L2 (F16B) 5L2 L2/S/92 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) BRANCH L2 (L2) (T2) BLK 2L2 (L2) T2 3 PH, 600V, T2/V/97 3L3 (W1) (W2) 4L3 ||F16C|| 5L3 ||L2/5/92 ||L3/T/93 || DRIVE CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES DRIVE MAIN DISCONNECT DISCONNECT REACTOR (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT F12 X2 X3 115VAC T2 HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 7)FAN 1 (SET: 80°F) (9) TB2

TO SHEET 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.

#### 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	RESET MODE	13	INFINITE AUTO REST

NO.

1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- BRANCH CIRCUIT 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
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS

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

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DRN D TM **APR** 

DTM

MODEL

**VLT** 

NAME NEMA 3R,600V,2C ,MAIN & DRIVE DISC, DRIVE FUSE

,3MB1,IR,SINGLE MOTOR,1 FAN PAGE <u>1</u> OF <u>2</u>

DWG

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

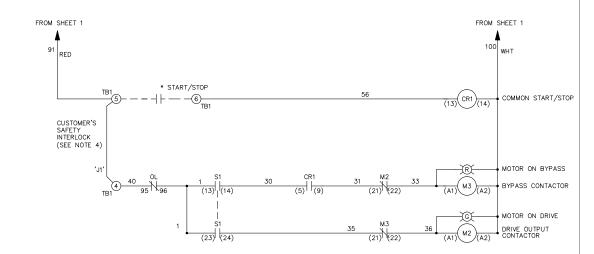
 $\overline{\otimes}$ - CUSTOMER TERMINAL

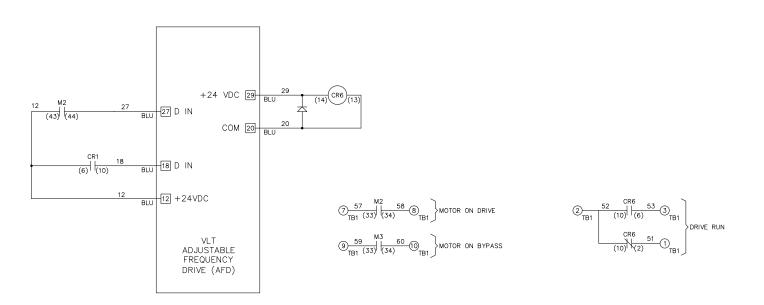
### CUSTOMER DRY CONTACT RATINGS

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

# CONTACT SEQUENCE CHART FOR S1

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





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

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DTM

MODEL

VLT

NAME NEMA 3R,600V,2C

			,	,		
,MAIN	&	DRIVE	DISC,	DRIVE	FUSE	Ξ
,3ME	31,1	R,SINGI	LE MO	TOR,1	FAN	
						т

PAGE 2 OF 2 SIZE DWG 185BO