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 4T1 (L1) M2 (T1) 2T1 *CUSTOMER L1 (L1) (T1) 1L1 BLK [F15A] 2L1 (U1) (U2) 4L1 (F16A) 5L1 (L1/R/91 VLT INPUT SUPPLIED T1/U/96 POWER (V1) (V2) 4L2 |F16B| 5L2 |L2/S/92 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) (L2) T2 FEEDER L2 (L2) (T2) 1L2 BLK [F15B] 2L2 3 PH, 600V, T2/V/97 (W1) (W2) 4L3 [F16C] 5L3 L2/5/92 L3/T/93 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK |F15C|| 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN DISCONNECT FUSES REACTOR (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT F12 X2 X3 115VAC T2 (12) (4) HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 2)FAN 1 (SET: 80° F) (9) (5) (23) (24) TB2 TS1 FAN 2 2)FAN 3 FAN 4 WARNING! THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED TO SHEET 2 TO SHEET 2 FOR YOUR APPLICATION.

- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. FEEDER 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:
- 5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS

DRIVE P	ARAMETER	SETTINGS

PARAMETER # NAME		SETTING	VALUE
0-02	MOTOR SPEED UNIT	1	HZ
0-03	REGIONAL SETTINGS	1	NORTH AMERICA
1-03 TORQUE CHAR. 5-02 TERMINAL 29 TYPE		3	AUTO ENERGY OPTIM VT
		1	OUTPUT
5-31	TERMINAL 29	5	RUNNING
14-20	RESET MODE	13	INFINITE AUTO REST

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

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DRN D TM

DTM

APR

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

,3MB1,IR,SINGLE MOTOR,4 FAN

MODEL PAGE <u>1</u> OF <u>2</u> **VLT**

DWG NO.

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

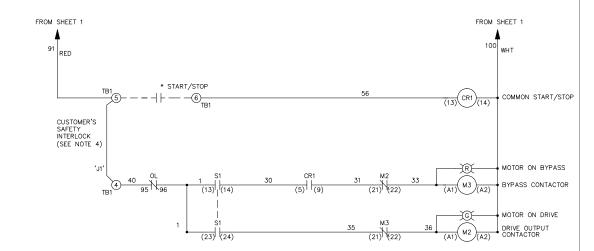
 $\overline{\otimes}$ - CUSTOMER TERMINAL

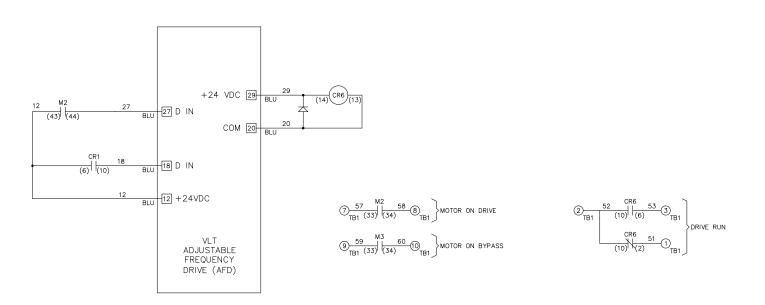
CUSTOMER DRY CONTACT RATINGS

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
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0	DRN	D TM

DTM

MODEL

VLT

NAME NEMA 3R,600V,2C

MAIN	DISC,	MAIN	&	DRIVE	FUSE	-
,3MB	1,IR,SII	NGLE 1	MO ⁻	TOR,4	FAN	

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