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) VLT (L1)<sub>XX</sub> <u>T1</u> INPUT SUPPLIED L1/R/91 T1/U/96 POWER (V1) (V2) 4L2 F16B 5L2 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) (L2) T2 FEEDER BLK 2L2 3L2 3 PH, 600V, L2/S/92 T2/V/97 (W1) (W2) 4L3 F16C 5L3 L2/5/92 L3/T/93 DRIVE CIRCUIT (L3)<u>~ T3</u>. BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) CB1 INPUT DRIVE INPUT FUSES DRIVE CIRCUIT DISCONNECT REACTOR BREAKER (L1) (T1) (L2) (T2) GROUND GRN (L3) (T3) 163 RED F12 X2 X3 115VAC T2 HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 (9) (5) (2) FAN 1 (SET: 80° F) (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.

## NOTES:

- I. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- 2. 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
- 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	0-02 MOTOR SPEED UNIT		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

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

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DRN D TM

NAME NEMA 3R,600V,2C ,MAIN CB, DRIVE DISC, DRIVE FUSE ,3MB,IR,SINGLE MOTOR,4 FAN

Danfoss

DTM MODEL

**VLT** 

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I SIZE A

PWG 185B2223

WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

WHITE - AC GROUNDED

CIRCUIT CONDUCTOR

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

## TERMINAL IDENTIFICATION

X - DRIVE TERMINAL

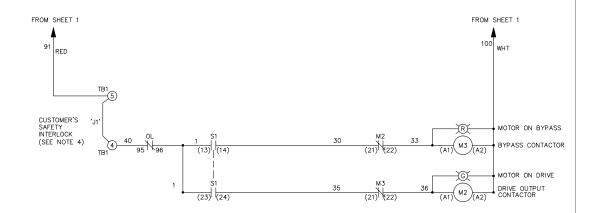
 $\overline{\otimes}$ - CUSTOMER TERMINAL

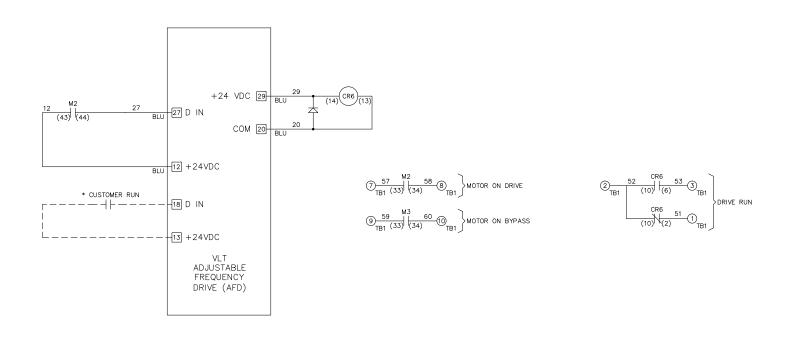
## CUSTOMER DRY CONTACT RATINGS

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

## CONTACT SEQUENCE CHART FOR S1

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





DTM

В		
Α	SP10119	11/10
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DRN NAME		NEMA 3R,600V,2C
D TM		,MAIN CB, DRIVE DISC, DRIVE FUSE
		,3MB,IR,SINGLE MOTOR,4 FAN
APR		,JIVID,IIN,JIINGLE IVIOTON,4 TAIN
AFR		

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