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 GRN / H\* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 3L1 (U1) (U2) 4L1 (F16A) \_L1\_(<u>L1)</u>\_\_(T1) VLT INPUT SUPPLIED L1/R/91 T1/U/96 POWER 3L2 (V1) (V2) 4L2 [F16B] 5L2 L2/S/92 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) (L2)\\( T2 BRANCH L2 (L2) (T2) BLK 2L2 T2/V/97 3 PH. 3L3 (W1) (W2) 4L3 (F16C) 5L3 (L2/5/92 DRIVE CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) 480V, 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 X2 100 WHT F12 115VAC CR6 HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 2)FAN 1 (SET: 80° F) (9) (5) (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.

- 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

## 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

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DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO TH NOT BE REPRODUCED OR COPIED
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT AND SHALL BE RETURNED UPON

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TO SHEET 2

NEMA 3R,480V,2C ,MAIN & DRIVE DISC, DRIVE FUSE ,3MB1,IR,SINGLE MOTOR,2 FAN

Danfoss
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MODEL **VLT** 

NAME

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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

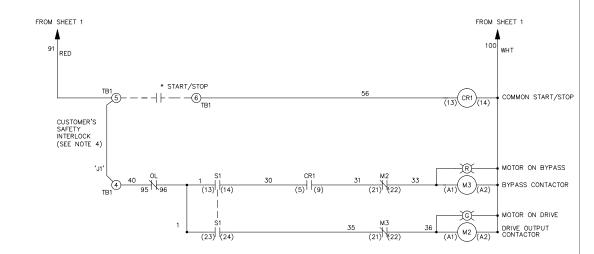
 $\overline{\otimes}$ - CUSTOMER TERMINAL

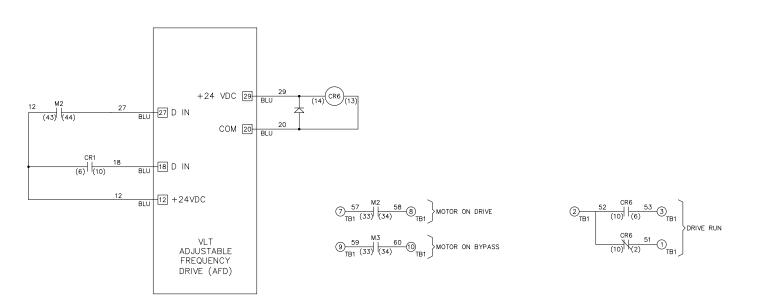
### CUSTOMER DRY CONTACT RATINGS

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

# CONTACT SEQUENCE CHART FOR S1

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





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NAME NEMA 3R,480V,2C ,MA

			,				
AIN	&.	DRIVE	DISC.	DRIVE	FUSF	-	
		R,SINGL	,				

page  $\underline{2}$  of  $\underline{2}$   $\left| \begin{array}{c|c} SIZE \\ NO. \end{array} \right| \begin{array}{c|c} DWG & 1 \\ \hline S & \overline{5} \\ \hline \end{array}$ MODEL VLT