WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN /  $\neg$ \* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 3L1 (U1) (U2) 4L1 (F16A) 5L1 L1/R/91 VLT (L1)<sub>XX</sub>\_T1\_ INPUT SUPPLIED T1/U/96 3L2 (V1) (V2) 4L2 (F16B) 5L2 (L2/S/92 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) (L2) T2 \_ \_ \_ \_ FEEDER BLK 2L2 T2/V/97 3 PH, 480V, 3L3 (W1) (W2) 4L3 (F16C) 5L3 (L2/5/92) 1.3/T/93 DRIVE CIRCUIT 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 X2 100 WHT F12 115VAC 250V CR6 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (1)-(9) (5) 2)FAN 1 (SET: 80°F) (23) (24) TB2 TS1

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.

- 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

TO SHEET 2

1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 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	5-02 TERMINAL 29 TYPE		OUTPUT
5-31 TERMINAL 29		5	RUNNING
14-20	RESET MODE	13	INFINITE AUTO REST

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	N	EMA 3R,480V,2C			- Lu
А	SP10119	11/10	IT IS LOANED BY DANFOSS DRIVES SUBJECT TO THE CONDITIONS THAT IT AND THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD AND REFERENCE PURPOSES, SHALL NOT BE USED OR CAUSED TO BE USED	DIM			DRIVE DISC, DR		SE	Janjooo
DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED	APR	MODEL	,31011,11	R,SINGLE MOTOR, T	, I FAN	DWC 4 0	
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	D TM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	NO. 18	<u>580591</u>

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

WHITE — AC GROUNDED
CIRCUIT CONDUCTOR
BLUE — DC CONTROL
GREEN — CHASSIS GROUND

## TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

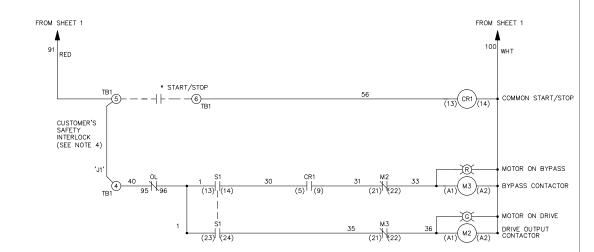
CUSTOMER TERMINAL

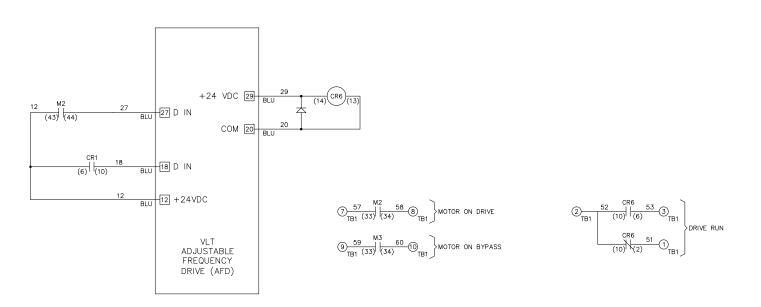
#### CUSTOMER DRY CONTACT RATINGS

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

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





В		
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,	DRN	D TM

DTM

NAME NEMA 3R,480V,2C ,MAIN CB, DRIVE DISC, DRIVE FUSE ,3MB1,IR,SINGLE MOTOR,1 FAN



MODEL VLT PAGE 2 OF 2 SIZE A NO. 1858059