WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL X - 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 L1 (L1) (T1) BLK 2L1 (U1) (U2) 4L1 (F16A) 5L1 (L1/R/91 VLT (L1)_{XX} T1 INPUT SUPPLIED T1/U/96 3L2 (V1) (V2) 4L2 (|F16B| 5L2 | L2/S/92 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) (L2) T2 FEEDER L2 (L2) (T2) BLK 2L2 T2/V/97 3 PH, 480V, 3L3 (W1) (W2) 4L3 ||F16C|| 5L3 ||L2/5/92 ||L3/T/93 || DRIVE (L3)_C T3 CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES DRIVE DISCONNECT DISCONNECT REACTOR (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED X2 100 WHT -| F12 |-115VAC 250V CR6 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 1 (SET: 80° F) (9) (5) (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.

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

NOTES:

- 1. * 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:

TO SHEET 2

- 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

В			 NOTICE — THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES. 	DRN	NAME	NE	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	D TM	,M⊅		SC, DRIVE DISC,		FUSE	Janjoos
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	,SMB,IK	SINGLE MOTOR,	I FAN	DW0 4	
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. (35B0549

WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

WHITE - AC GROUNDED

CIRCUIT CONDUCTOR

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

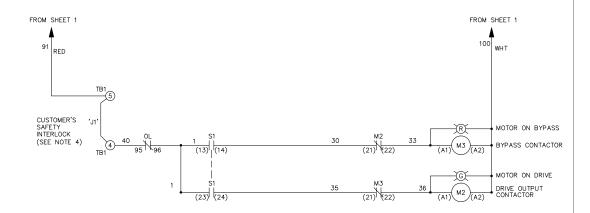
 $\overline{\otimes}$ - CUSTOMER TERMINAL

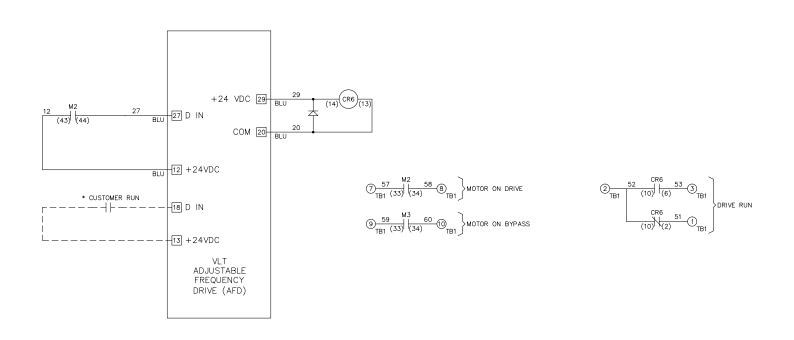
CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING		
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
DR	SP10076	09/10
REV	ECN	DATE

- NOTICE -THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES. 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 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.

DRN	NAME
D TM	,MAII
	1

DTM

NEMA 3R,480V,2C IN FUSE DISC, DRIVE DISC, DRIVE FUSE ,3MB,IR,SINGLE MOTOR,1 FAN



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