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 \neg OL 4T1 (L1) M2 (T1) 2T1 *CUSTOMER L1 (L1) (T1) 1L1 BLK [F15A] 2L1 5L1 L1/R/91 VLT (L1)_{XX}_T1_ INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK | F15B| 2L2 4T2 (L2) (T2) 2T2 (L2) T2 _ _ _ _ FEEDER T2/V/97 3 PH, 240V, L2/S/92 DRIVE L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 (L3)X_T3__ CIRCUIT 4T3 (L3) (T3) T3/W/98 PROTECTION (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN DISCONNECT FUSES (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED X2 100 WHT F12 115VAC (12) 5 (11) TS1 HEATER (SET: 65° F)

> 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.

* AC MOTOR

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

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.

(23) (24)

TS1

TO SHEET 2

CR6

(9) (5)

167 (1)-

- 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

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	NE	EMA 3R,240V,2C			The Less
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			SC, MAIN & DRI^ SINGLE MOTOR,1		-	Janjuos
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	, , , , , , , , , , , , , , , , , , , ,	S VGLL WO O	SIZE A	DWG 4 O	<u> </u>
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DIM	WODEL	VLT	PAGE <u>1</u> OF <u>2</u>		DWG 1 8	<u> </u>

2)FAN 1 (SET: 80°F)

TB2

TO SHEET 2

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

- DRIVE TERMINAL

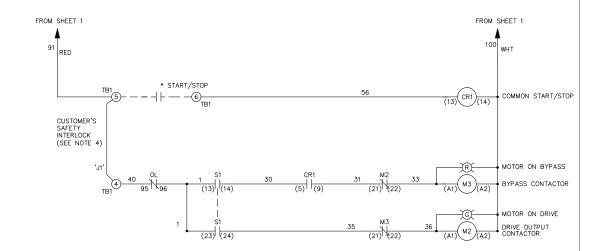
CUSTOMER TERMINAL

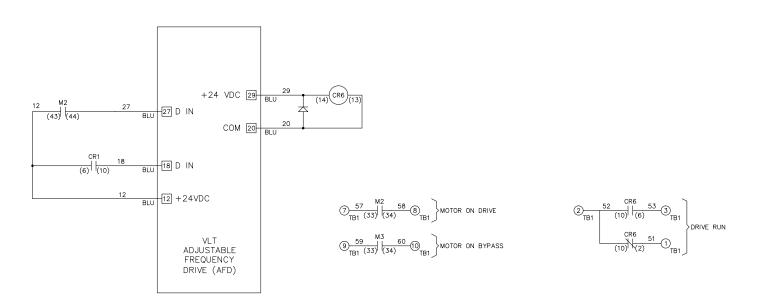
CUSTOMER DRY CONTACT RATINGS

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	X						





В		
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DRN // TM	NAME	NE , MAIN DIS	MA 3R,2	, –		=
APR		,	SINGLE M			_
DTM	MODEL	VLT	page 2	of <u>2</u>	SIZE	

Danfots

MODEL VLT PAGE 2 OF 2 SIZE A DWG 185B0270