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 *CUSTOMER (U1) (U2) 4L1 F16A 5L1 L1/R/91 L1 (L1) (T1) 1L1 BLK (F15A) 2L1 INPUT SUPPLIED (V1) (V2) 4L2 | F16A| 5L2 | L2/S/92 | (W1) (W2) 4L3 | F16C| 5L3 | L3/T/93 | POWER L2 (L2) (T2) 1L2 BLK F15B 2L2 FEEDER 3 PH, 600V, L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 CIRCUIT PROTECTION 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN DISCONNECT FUSES REACTOR EARTH GROUND GRN

> 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

OL

(L1)_{XX} T1

(L2) T2

(L3)_C T3

DRIVE PARAMETER SETTINGS

EARTH GROUND GRN / \neg

T1/U/96

T2/V/97

T3/W/98

4T1 (L1) M2 (T1) 2T1

(L1) (T1) (L2) (T2)

(L3) (T3)

4T2 (L2) (T2)

4T3 (L3) (T3)

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.

163 RED

(12) 5 (11) TS1

(23) (24)

TS1

X2 X3

CR6

(9) (5)

167

115VAC T2

-| F12 |-

250V

TO SHEET 2

- 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
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS

В		THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,600V,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		•	SC, MAIN & DRI'		Janjuos
DR	SP10076	09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR		,JIVID,IR	R,SINGLE MOTOR,1	I FAN	
REV	ECN	TE 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.	D TM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE A NO. 1 E	35B0/23

EARTH GROUND

100 WHT

HEATER (SET: 65° F)

(SET: 80° F)

TB2

TO SHEET 2

VLT

ADJUSTABLE FREQUENCY

DRIVE

(AFD)

WIRE COLOR SCHEME

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

TERMINAL IDENTIFICATION

X - DRIVE TERMINAL

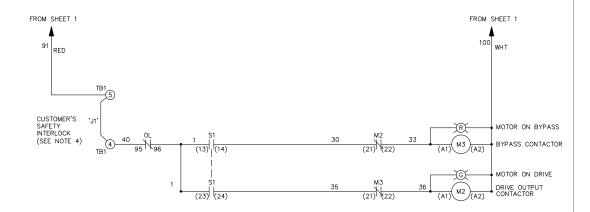
 $\overline{\otimes}$ - CUSTOMER TERMINAL

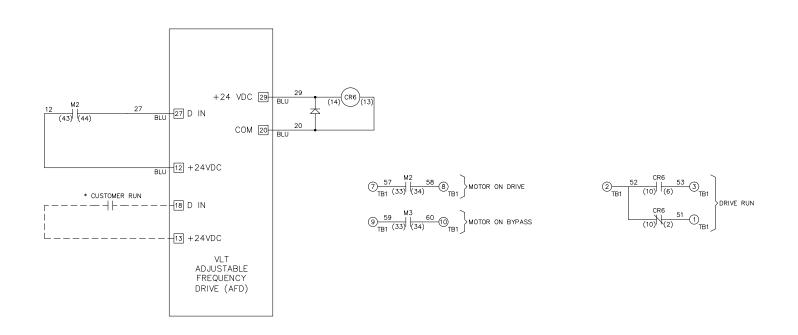
CUSTOMER DRY CONTACT RATINGS

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				





В		
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REV	ECN	DATE

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DRN		1
	D TM	

DTM

NAME NEMA 3R,600V,2C , MAIN DISC, MAIN & DRIVE FUSE ,3MB,IR,SINGLE MOTOR,1 FAN



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