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 1 4T1 (L1) M2 4T2 (L2) (T2) 2T1 \*CUSTOMER L1 (L1) (T1) 1L1 BLK (F15A) 2L1 (U1) (U2) 4L1 F16A 5L1 L1/R/91 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED T1/U/96 POWER L2 (L2) (T2) 1L2 BLK | F15B| 2L2 3L2 (V1) (V2) 4L2 [F16B] 5L2 L2/S/92 ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 2T2 FEEDER T2/V/97 3 PH, 600V, 3L3 (W1) (W2) 4L3 (F16C) 5L3 (L2/5/92) 1.3/T/93 2T3 (L3) (T3) 1T3 (L3) T3 L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 DRIVE CIRCUIT 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES DRIVE MAIN MAIN LINE DISCONNECT DISCONNECT FUSES REACTOR (L1) (T1) (L2) (T2) (L1) (T1) 3T1 (L1) T1 (L2) (T2) 3T2 (L2) T2 \*AC MOTOR 2 EARTH GROUND GRN (L3) (T3) (L3) (T3) 3T3 (L3) 163 RED 100 WHT -| F12 |-X2 X3 250V 115VAC T2 3<u>—</u> (12) 5 (11) TS1 (12) (4) HEATER (SET: 65° F) CR6 167 2) FAN 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

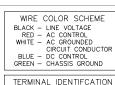
## NOTES:

- 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		EMA 3R,600V,20		The sheet
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		•	E DISC, MAIN & TACT MOTOR SE		
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	, JMB,IR,CON	TACT MUTUR SE	LEUI,I F	DWC 1 O F D O 7 O 7
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DTM	WIODEL	VLT	PAGE <u>1</u> OF <u>2</u>		NO. 185BU/9/



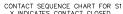
# TERMINAL IDENTIFCATION

- DRIVE TERMINAL

 $\overline{\otimes}$ - CUSTOMER TERMINAL

#### CUSTOMER DRY CONTACT RATINGS

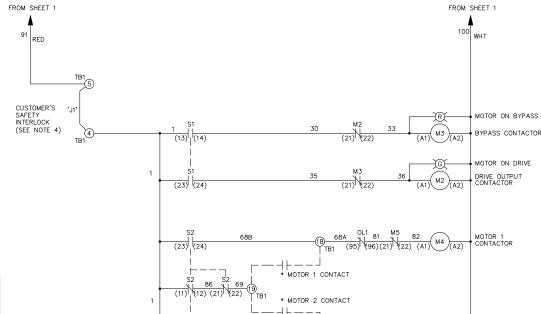
RELAY	CONTACT RATING	
CR6	5A @ 120VAC 1/10 HP @ 120VAC	
M2, M3, M4, M5	10A @ 120/240VAC	

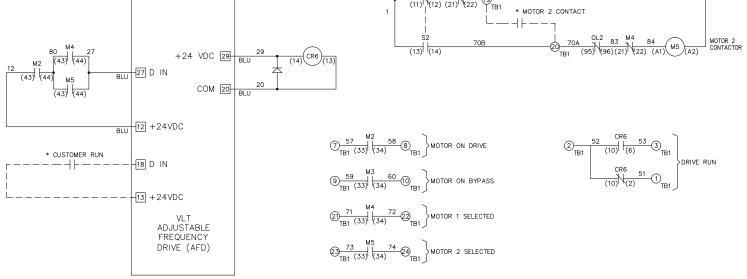


A INDICATES CONTACT CLUSED					
POSITION					
CONTACT	DRIVE	OFF	BYPASS		
13-14			Χ		
23-24	Χ				

# CONTACT SEQUENCE CHART FOR S2

X INDICATES CONTACT CLUSED					
POSITION					
CONTACT	MOTOR 1	AUTO	MOTOR 2		
11-12	X	X			
13-14			Χ		
21-22		X	X		
23-24	Х				





В		
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AND SHALL BE RETURNED UPON REQUEST.

DRN	NAME	NEMA 3R,600V,2C
D TM	,MAIN	& DRIVE DISC, MAIN & DRIVE FUSE
	3111	B.IR.CONTACT MOTOR SELECT.1 FAN
A D	, ગાળા	3,IN,CONTACT MOTOR SELECT, I TAIN

DTM

MODEL VLT