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  $\neg$ 4T1 (L1) (T1) 2T1 4T2 (L2) (T2) 2 \* AC MOTOR 1 \*CUSTOMER (U1) (U2) 4L1 F16A 5L1 L1/R/91 L1 (L1) (T1) BLK 2L1 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED T1/U/96 (V1) (V2) 4L2 |F16B| 5L2 |L2/S/92 POWER ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 2T2 BRANCH L2 (L2) (T2) BLK 2L2 T2/V/97 3 PH, 480V, (W1) (W2) 4L3 (F16B) 5L3 (L2/S/92 L3/T/93 2T3 (L3) (T3) 1T3 (L3) T3 DRIVE CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN DISCONNECT 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 X2 100 WHT -| F12 |-115VAC 250V CR6 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 2) FAN 1 (SET: 80° F) (9) (5) (23) (24) TB2 TS1 TO SHEET 2 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.

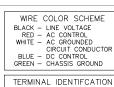
### DRIVE PARAMETER SETTINGS

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

DR SP10076 09/10  NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED  TO ANYONE WITHOUT THE DIRECT WRITER PERMISSION OF DANFOSS DRIVES  ADR (SP10076 09/10)  NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED  TO ANYONE WITHOUT THE DIRECT WRITER PERMISSION OF DANFOSS DRIVES  APR  MODEL  VLT  PAGE 1 OF 2  SIZE \( \text{DWG} \) DWG 1 8 5 P O 4 6	В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,480V,2C			- Lu
DR SP100/6 09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DAMFOSS DRIVES, SHALL APR NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND APR MODEL VLT PAGE 1 OF 2 SIZE A DWG 1 8 5 B O 4 6	А	SP10119	11/10	THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD	DIM		· ·	· ·			Janjuos
DEV CON DATE TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES ///// VLT PAGE 1 OF 2 3/21 NO 8 STORY	DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR	MODEL	,SMB,IR,CON	TACT MUTUR SE	0.75	DW0 4	0500101
AND SHALL BE RETURNED UPON REQUEST.	REV	' ECN	DATE		DTM	INIODEL	VLT	PAGE <u>1</u> OF <u>2</u>		NO.	8580461



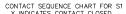
## TERMINAL IDENTIFCATION

- DRIVE TERMINAL

 $\overline{\otimes}$ - CUSTOMER TERMINAL

## CUSTOMER DRY CONTACT RATINGS

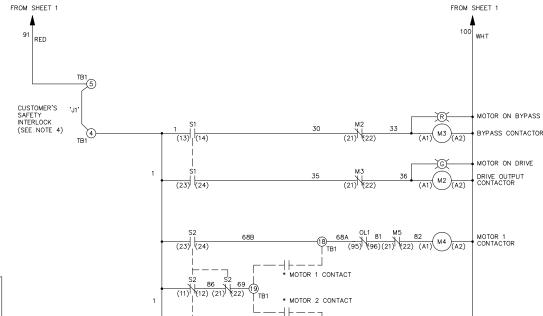
RELAY	CONTACT RATING
CR6	5A @ 120VAC 1/10 HP @ 120VAC
M2, M3, M4, M5	10A @ 120/240VAC

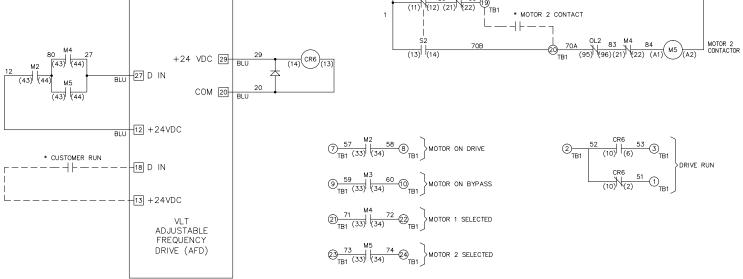


A INDICATES CONTACT CLUSED					
POSITION					
CONTACT	DRIVE	OFF	BYPASS		
13-14			Χ		
23-24	Χ				

# CONTACT SEQUENCE CHART FOR S2

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





В		
Α	SP10119	11/10
DR	SP10076	09/10
REV	ECN	DATE

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DRN	D TM

DTM

NAME NEMA 3R,480V,2C ,MAIN DISC, DRIVE FUSE ,3MB,IR,CONTACT MOTOR SELECT,1 FAN



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