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 / \mathcal{T} * AC MOTOR 1 4T1 (L1) M2 4T2 (L2) (T2) 2T1 *CUSTOMER (L1) | (T1) 1T1 (L1) x T1 L1 (L1) (T1) 1L1 BLK (F15A) 2L1 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 [F16A] 5L2 POWER L2 (L2) (T2) 1L2 BLK |F15B| 2L2 ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 2T2 FEEDER 3L2 T2/V/97 3 PH, 600V, L2/S/92 DRIVE |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 2T3 (L3) (T3) 1T3 (L3) T3 CIRCUIT L3 (L3) (T3) 1L3 BLK [F15C] 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DRIVE MAIN DISCONNECT DISCONNECT **FUSES** (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 115VAC T2 (12) (4) HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 166 167 (9) (5) (2) FAN 1 (SET: 80° F) (23) (24) TB2 TS1 FAN 2 2)FAN 3 FAN 4 WARNING! THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED TO SHEET 2 TO SHEET 2 FOR YOUR APPLICATION. DRIVE PARAMETER SETTINGS NOTES: 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

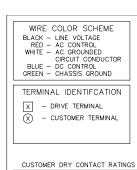
- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD CURRENT RATING.

MOTICE

- 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

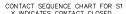
PARAMETER #	PARAMETER # NAME		VALUE
0-02	MOTOR SPEED UNIT	1	HZ
0-03	REGIONAL SETTINGS	1	NORTH AMERICA
1-03	TORQUE CHAR.	3	AUTO ENERGY OPTIM VT
5-02	TERMINAL 29 TYPE	1	OUTPUT
5-31	TERMINAL 29	5	RUNNING
14-20	RESET MODE	13	INFINITE AUTO REST

В			THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,600V,2C			- Lu	u
Α	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	D TM	, Ν		E DISC, MAIN &			Janjoo	2
DR	SP10076	09/10	AND REFERENCE PURPOSES, SHALL NOT BE USED OR CAUSED TO BE USED IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR		,3MB,CONTA	ACT MOTOR SELE	<u>:</u> C1,4 F7	AN		
REV	ECN		NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT ITHE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	D TM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZEA	DWG 1 (85B2204	1





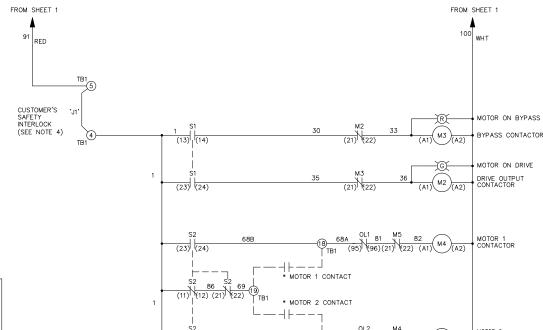
RELAY	CONTACT RATING		
CR6	5A @ 120VAC 1/10 HP @ 120VAC		
M2, M3, M4, M5	10A @ 120/240VAC		

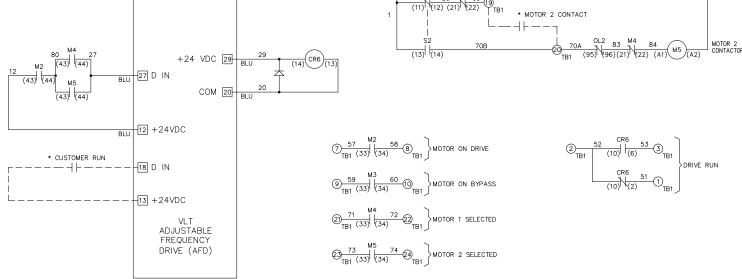


X INDICATES CONTACT CLOSED				
POSITION				
CONTACT	DRIVE	OFF	BYPASS	
13-14			Χ	
23-24	Χ			

CONTACT SEQUENCE CHART FOR S2

X 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

APR

NAME NEMA 3R,600V,2C ,MAIN & DRIVE DISC, MAIN & DRIVE FUSE ,3MB,CONTACT MOTOR SELECT,4 FAN



MODEL

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