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 L1 (L1) (T1) BLK 2L1 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED L1/R/91 T1/U/96 [F16A] 5L2 POWER ADJUSTABLE FREQUENCY 2T2 (L2) (T2) 1T2 (L2) T2 FEEDER L2 (L2) (T2) BLK 2L2 T2/V/97 3 PH, 240V, L2/S/92 DRIVE |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 2T3 (L3) (T3) 1T3 (L3) T3 CIRCUIT L3 (L3) O IF15CI (T3) BLK 2L3 4T3 (L3) (T3) T3/W/98 PROTECTION (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DISCONNECT (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 CR6 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (1)-(9) (5) (2) FAN 1 (SET: 80° F) (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. 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:

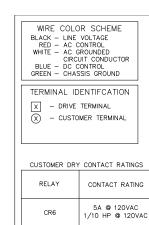
5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT

5.2. HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES

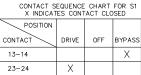
5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)

5.4. LONG MOTOR LEAD LENGTHS

A SP10119 11/10  DR SP10076 09/10  DR SP10076 DATE  DR SP	В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	NE	EMA 3R,240V,2C		- Les
DR SP100/6 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 TO ANYONE WITHOUT THE DIRECT WRITE PERMISSION OF DANFOSS DRIVES	А	SP10119	11/10	THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD	DIM					Janjoss
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AND SHALL BE RETORNED OF ON REQUEST.	REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DIM		VLT	PAGE <u>1</u> OF <u>2</u>	A	Nö. 1858UZ48



10A @ 120/240VAC

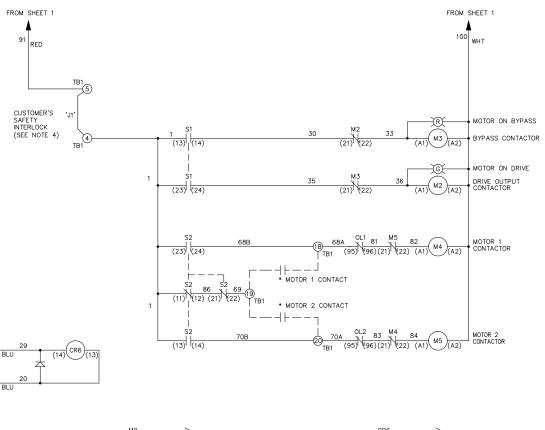


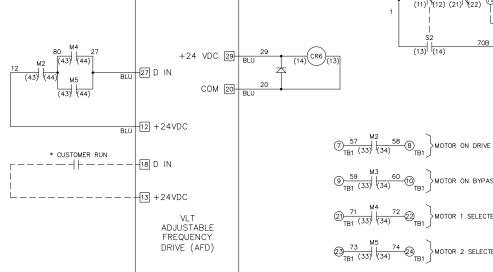
X INDICATES CONTACT CLOSED				
POSITION				
CONTACT	DRIVE	OFF	BYPASS	
13-14			X	
23-24	Χ			

X INDIONIES CONTACT CEOSED					
POSITION					
CONTACT	DRIVE	OFF	BYPASS		
13-14			Χ		
23-24	Χ				
23-24	X				

CONTACT SEQUENCE CHART FOR S2

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





$9\frac{59}{\text{TB1}}\frac{\text{M3}}{(33)}\left(\frac{3}{34}\right)\frac{60}{(34)}$ $0$ TB1 MOTOR ON BYPASS
$2$ $\frac{71}{\text{TB1}} \frac{\text{M}^4}{(33)} \frac{72}{(34)} 2$ $\frac{72}{\text{TB1}}$ MOTOR 1 SELECTED

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

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)	DRN	D TM

DTM

NAME NEMA 3R,240V,2C ,MAIN FUSE DISC, DRIVE FUSE ,3MB,CONTACT MOTOR SELECT,1 FAN



DRIVE RUN

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