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 /  $\neg$ 4T1 (L1) (T1) 2T1 4T2 (L2) (T2) 2 \* AC MOTOR 1 \*CUSTOMER L1 (L1) (T1) 3L1 (U1) (U2) 4L1 [F16A] 5L1 L1/R/91 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED T1/U/96 POWER 3L2 (V1) (V2) 4L2 [F16B] 5L2 L2/S/92 ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 2T2 BRANCH L2 (L2) (T2) BLK 2L2 T2/V/97 3 PH, 208V, 3L3 (W1) (W2) 4L3 (F16C) 5L3 (L2/5/92) 1.3/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 DRIVE MAIN DISCONNECT 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 X3 100 WHT -| F12 |-115VAC 250V (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (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

## 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

FOR YOUR APPLICATION.

### NOTES:

1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.

3. BRANCH 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:

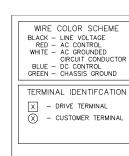
5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT

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 THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD AND REFERENCE PURPOSES, SHALL NOT BE USED ON CAUSED TO B	5 les				MA 3R,208V,20	NE	NAME	DRN		- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.			В
DR SP100/6 09/10 In any way presuded to the interests of planeous prives, shall APR	<u> Hanguoo</u>	Janjo	A A I		•			DIM	NLY FOR RECORD	THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD	11/10	SP10119	А
				louze le	ACT MOTOR SE	SMB,IR,CON I	MODEL	APR	SS DRIVES, SHALL		09/10	SP10076	DR
REV ECN DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.  **REV BCN DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DEFINISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.**  **DATE TO ANYONE WITHOUT THE DATE TO ANY	)	2R00/	10. 185		page <u>1</u> of <u>2</u>	VLT	IWIODEL	D/M		TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES	DATE	ECN	REV



#### CUSTOMER DRY CONTACT RATINGS

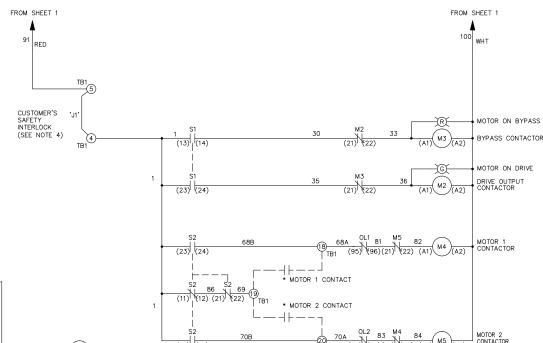
RELAY	CONTACT RATING
CR6	5A @ 120VAC 1/10 HP @ 120VAC
M2, M3, M4, M5	10A @ 120/240VAC

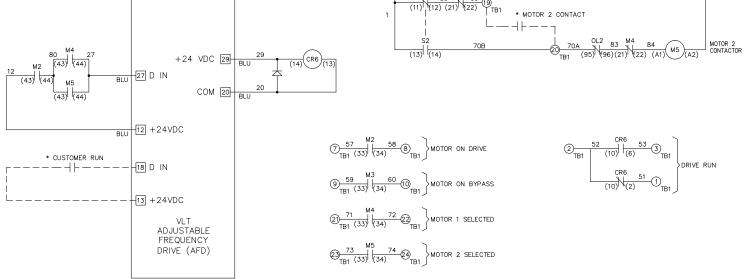
# CONTACT SEQUENCE CHART FOR S1

A INDICATES CONTACT CLUSED								
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	<del></del> X					
13-14			Χ				
21-22		X	X				
23-24	Х						





DTM

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

- NOTICE -
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.
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
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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.

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,	DRIVE DISC, DRI' TACT MOTOR SEL			Janjoss
VLT	PAGE <u>2</u> OF <u>2</u>	SIZE	DWG 1 8	5B0077