WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE - DRIVE TERMINAL RED - AC CONTROL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN / \* AC MOTOR 1  $\mathcal{T}$ OL1 (SEE NOTES 6) 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 1T1 (L1) \_\_\_\_\_\_T1\_ BLK 2L1 5L1 VLT INPUT SUPPLIED T1/U/96 -[F18AT [F16A] L1/R/91 5L2 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER BLK 2L2 -[F18B] 3 PH, 600V, L2/S/92 T2/V/97 DRIVE 1T3 (L3) T3 CIRCUIT BLK 2L3 4T3 (L3) (T3) PROTECTION `~^ L3/T/93 T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) CB1 DRIVE INPUT FUSES CIRCUIT \*AC MOTOR 2 BREAKER (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] F19B (L3) (T3) 3T3 (L3) F19C 163 RED 100 WHT F12 X2 X3 115VAC T2 HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 (9) (5) 7) 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.

## 1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 2. FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WRING 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
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

#### 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.		1	VARIABLE TORQUE		
5-02 TERMINAL 29 TYPE		1	OUTPUT		
5-31	TERMINAL 29	5	RUNNING		
14-20	RESET MODE	13	INFINITE AUTO REST		

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	NE	EMA 3R,600V,2C			
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			N CB ,DRIVE FU	SE Fan		
DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR		, SIVIB I	DUAL MOTOR,1	FAIN	T	
REV	ECN	DATE	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.	D TM	MODEL	VLT	page <u>1</u> of <u>2</u>	SIZE	DWG 1	<u>85</u>

WIRE COLOR SCHEME BLACK - LINE VOLTAGE RED - AC CONTROL WHITE - AC GROUNDED

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

### TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

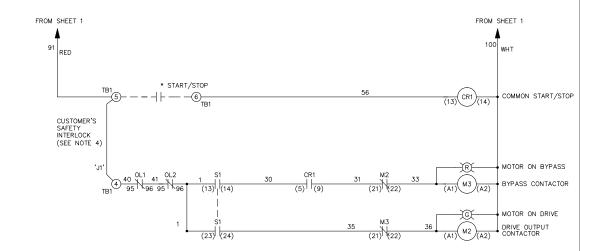
 $\overline{\otimes}$ - CUSTOMER TERMINAL

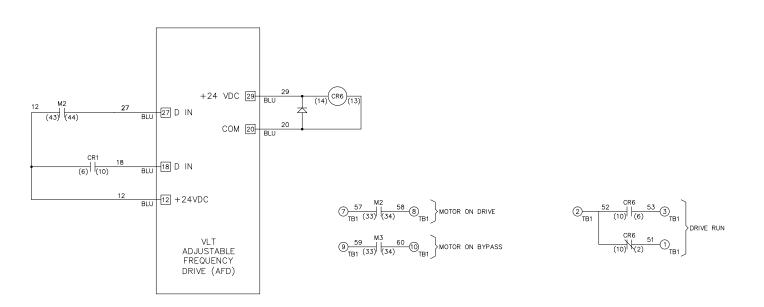
#### CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING				
CR1, CR6	5A @ 120VAC 1/10 HP @ 120VAC				
M2, M3	10A @ 120/240VAC				

# CONTACT SEQUENCE CHART FOR S1

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





В		
Α	SP10119	11/10
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drn <i>DTM</i>	NAME	,MAI	EMA 3 IN CB	,ĎRIVE	É FU	SE
4PR		,3MB1	,DUAL	MOTO	)R,T	FAI
DTM	MODEL	VLT	PAGE	_2_ of	2	SIZ

MOTOR,1 FAN