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  $\neg$ \* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER L1 (L1) (T1) 5L1 L1/R/91 VLT (L1)<sub>XX</sub> T1 INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY BLK 2L2 4T2 (L2) (T2) (L2) T2 BRANCH L2 (L2) (T2) 3L2 T2/V/97 3 PH, 600V, L2/S/92 DRIVE (L3)<sub>C</sub> T3 CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) T3/W/98 PROTECTION (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DRIVE MAIN DISCONNECT DISCONNECT (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT -| F12 |-X2 X3 250V 115VAC T2 HEATER (SET: 65° F) (12) (4) (12) 5 (11) TS1 CR6 167 2) FAN 1 (SET: 80° F) (9) (5) (23) (24) TB2 TS1 FAN 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	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:

TO SHEET 2

- 5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	NE	EMA 3R,600V,2C			- lu
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	DIM		•	DRIVE DISC, DRIV		-	Janjuss
DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR		,31415,3	SINGLE MOTOR,2	FAN	lawa . =	
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	NO. 18	5B1488

WIRE COLOR SCHEME WIRE COLUM SCHEME
BLACK - LINE VOLTAGE
RED - AC CONTROL
WHITE - AC GROUNDED
CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

#### TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

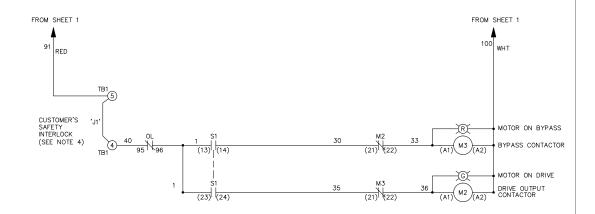
 $\overline{\otimes}$ - CUSTOMER TERMINAL

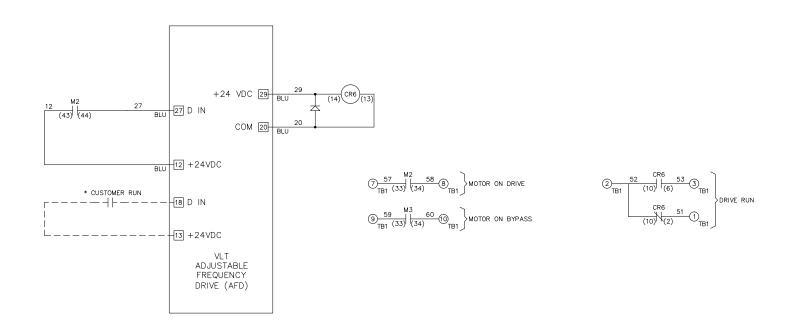
#### CUSTOMER DRY CONTACT RATINGS

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

# CONTACT SEQUENCE CHART FOR S1 X INDICATES CONTACT CLOSED

A HIDIOTTICO CONTINOT CECCED					
POSITION					
CONTACT	DRIVE	OFF	BYPASS		
13-14			Χ		
23-24	Χ				





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DRN	D TM

DTM

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

Danfoss
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MODEL VLT

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