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) 3L1 (U1) (U2) 4L1 [F16A] 5L1 L1/R/91 VLT (L1)<sub>XX</sub> T1 INPUT SUPPLIED T1/U/96 3L2 (V1) (V2) 4L2 (|F16B| 5L2 | L2/S/92 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) (L2) T2 BRANCH L2 (L2) (T2) BLK 2L2 T2/V/97 3 PH, 600V, 3L3 (W1) (W2) 4L3 (F16C) 5L3 (L2/5/92) 1.3/T/93 DRIVE (L3)<sub>C</sub> T3 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) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT -| F12 |-X2 X3 250V 115VAC T2 (3)\_\_\_\_\_ (12) 5 (11) TS1 HEATER (SET: 65° F) (12) (4) CR6 166 167 (9) (5) (2) FAN 1 (SET: 80° F) (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		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
- 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  REV ECN DATE  THE INFORMATION EMBORIDED THEREIN SHALL BE USED ONLY FOR RECORD TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES DRIVES DISC, DRIVE FUSE  ,3MB,IR,SINGLE MOTOR,2 FAN  APR  MODEL  WLT PAGE 1 OF 2 SIZE DWG 1 8 5 B 1 4 9 1		В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,600V,2C			- Lu
DR SP100/6 09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DAMFOSS DRIVES, SHALL APR  NOT BE REPRODUCED OR COPIED IN WHOLE OF IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DAMFOSS DRIVES SHALL APR  MODEL VLT PAGE 1 OF 2 SIZE A DWG 1 8 5 R 1 4 9 1		Α	SP10119	11/10	THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD	DIM		•	· ·		-	Janjuos
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WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

## TERMINAL IDENTIFICATION

X - DRIVE TERMINAL

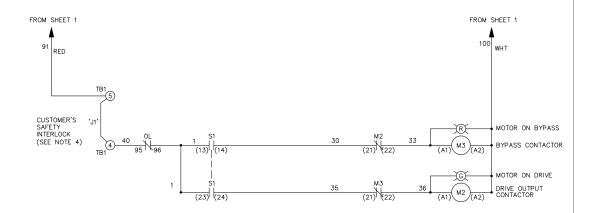
 $\overline{\otimes}$ - CUSTOMER TERMINAL

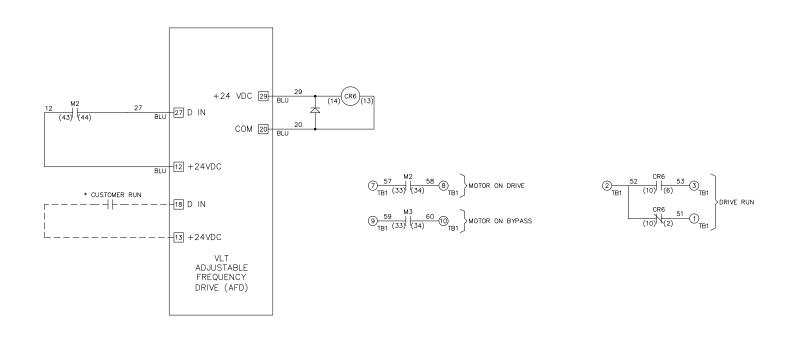
## CUSTOMER DRY CONTACT RATINGS

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

# CONTACT SEQUENCE CHART FOR S1

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





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

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DRN	NAME
D TM	,M,
A D D	:

DTM

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



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