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) 1L1 BLK (F15A) 2L1 5L1 L1/R/91 VLT (L1)_{XX} T1 INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK F15B 2L2 4T2 (L2) (T2) (L2) T2 FEEDER T2/V/97 3 PH, 600V, L2/S/92 DRIVE (L3)_C T3 L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 CIRCUIT 4T3 (L3) (T3) T3/W/98 PROTECTION (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN DISCONNECT FUSES (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT F12 X2 X3 250V 115VAC T2 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (SET: 80° F) (9) (5) (23) (24) TB2 TS1

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 0-02 MOTOR SPEED UNIT 0-03 REGIONAL SETTINGS		SETTING	VALUE	
		1	HZ	
		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:

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

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN D TAA	NAME		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		•	SC, MAIN & DRI'			Janyos
DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR		, , , , , , , , , , , , , , , , , , , ,	SINGLE MOTOR,1	FAN		_
	01 10070		NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED	$\cap TM$	MODEL	\ /I T	DAGE 1 OF 2	SIZE ∧	DWG 1 Q	5D0700
REV	ECN		TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DIW		VLI	PAGE <u>1</u> OF <u>2</u>		NO. ()	JDU / ZU

WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

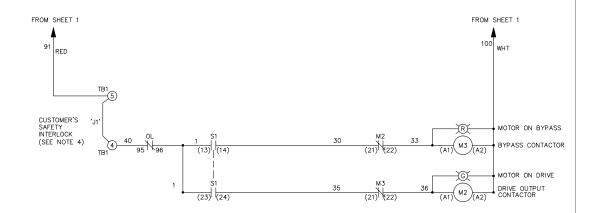
 $\overline{\otimes}$ - CUSTOMER TERMINAL

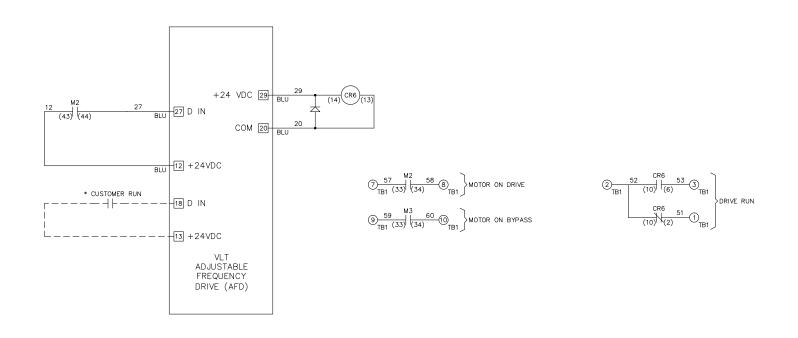
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S1

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





В		
Α	SP10119	11/10
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REV	ECN	DATE

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)	DRN	D TM	NAME

DTM

NEMA 3R,600V,2C , MAIN DISC, MAIN & DRIVE FUSE ,3MB,SINGLE MOTOR,1 FAN



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