WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND \neg 4T1 (L1) (T1) 2T1 4T2 (L2) (T2) 2 * AC MOTOR 1 *CUSTOMER (U1) (U2) 4L1 F16A 5L1 L1/R/91 BLK 2L1 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED T1/U/96 (V1) (V2) 4L2 |F16B| 5L2 |L2/S/92 POWER ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 2T2 FEEDER BLK 2L2 T2/V/97 3 PH, 480V, (W1) (W2) 4L3 |F16C| 5L3 |L2/S/92 |L3/T/93 DRIVE 2T3 (L3) (T3) 1T3 (L3) T3 CIRCUIT BLK 2L3 4T3 (L3) (T3) PROTECTION ^_ہ T3/W/98 (AFD) 60Hz (SEE NOTE 3) CB1 INPUT DRIVE INPUT FUSES CIRCUIT REACTOR BREAKER (L1) (T1) (L2) (T2) *AC MOTOR 2 EARTH GROUND GRN (L3) (T3) (L3) (T3) 3T3 (L3) 163 RED X2 100 WHT F12 115VAC 250V CR6 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 2)FAN 1 (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.

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER. 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 2. REEDER 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:

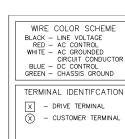
TO SHEET 2

- 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

DRIVE PARAMETER SETTINGS

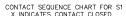
PARAMETER #	NAME	SETTING	VALUE
0-02	MOTOR SPEED UNIT	1	HZ
0-03	REGIONAL SETTINGS	1	NORTH AMERICA
1-03	TORQUE CHAR.	3	AUTO ENERGY OPTIM VT
5-02	TERMINAL 29 TYPE	1	OUTPUT
5-31	TERMINAL 29	5	RUNNING
14-20	RESET MODE	13	INFINITE AUTO REST

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME		EMA 3R,480V,2C		The less
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			IN CB ,DRIVE FU		Januse
DR	SP10076	ln9 /10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED	APR	MODEL	,3MB1,IR,CON	ITACT MOTOR SE T	CITE A	
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	D IM	WIODEL	VLT	page <u>1</u> of <u>2</u>		No. 185B0521



CUSTOMER DRY CONTACT RATINGS

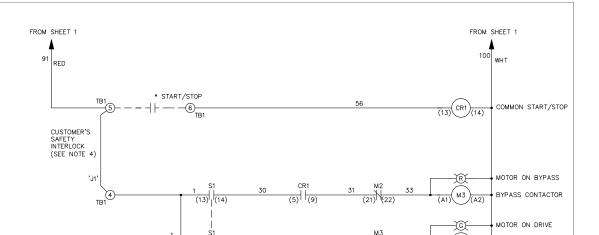
RELAY	CONTACT RATING		
CR1, CR6	5A @ 120VAC 1/10 HP @ 120VAC		
M2, M3, M4, M5	10A @ 120/240VAC		

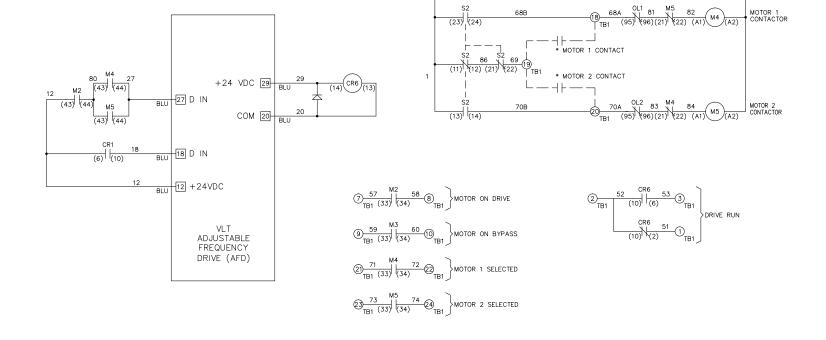


A INDICATES CONTACT CEOSED			
DRIVE	OFF	BYPASS	
		Χ	
Χ			

CONTACT SEQUENCE CHART FOR S2

A INDICATES CONTACT CEOSED			
POSITION			
CONTACT	MOTOR 1	AUTO	MOTOR 2
11-12	X	 X	
13-14			Χ
21-22		X	—X
23-24	Х		





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
IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL
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.

DRN	D TM

DTM

NAME NEMA 3R,480V,2C ,MAIN CB ,DRIVE FUSE ,3MB1,IR,CONTACT MOTOR SELECT,1 FAN



MODEL VLT PAGE 2 OF 2

2 | 3126

DWG 185B0521