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 H* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 *CUSTOMER _L1_(<u>L1)</u>__(T1) 5L1 VLT INPUT SUPPLIED [F16A] L1/R/91 T1/U/96 POWER ADJUSTABLE FREQUENCY 5L2 4T2 (L2) (T2) BRANCH L2 (L2) (T2) BLK 2L2 3L2 (L2) T2 [F16B] L2/S/92 T2/V/97 3 PH. DRIVE CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) 480V, PROTECTION L3/T/93 T3/W/98 (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN DRIVE DISCONNECT DISCONNECT EARTH GROUND GRN (L1) (T1) (L2) (T2) (L3) (T3) 163 RED X2 F12 115VAC HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 7)FAN 1 (SET: 80°F) (9) (23) (24) TB2 TS1 FAN 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. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.

TO SHEET 2

- BRANCH 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:
- 5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 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		
А	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	

D TM

TO SHEET 2

NAME NEMA 3R,480V,2C ,MAIN & DRIVE DISC, DRIVE FUSE

,3MB1,SINGLE MOTOR,2 FAN

MODEL **VLT**

PAGE <u>1</u> OF <u>2</u>

DWG NO.

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

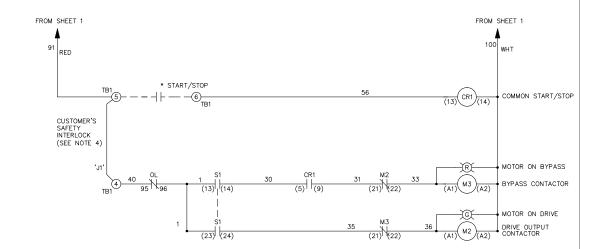
CUSTOMER TERMINAL

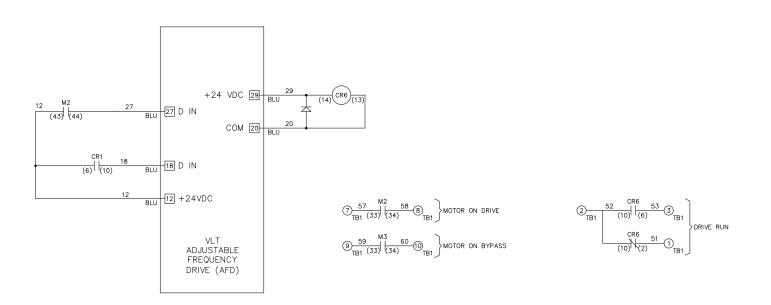
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S1 X INDICATES CONTACT CLOSED

A INDICAT	E2 CON	ACT CLC	SED
POSITION			
CONTACT	DRIVE	OFF	BYPASS
13-14			Χ
23-24	Χ		





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		N
	D TM	
	2	
4 D D		

DTM

MODEL

VLT

NAME NEMA 3R,480V,2C ,MAIN & DRIVE DISC, DRIVE FUSE ,3MB1,SINGLE MOTOR,2 FAN

Danfoss
