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 1 4T1 (L1) M2 (T1) 2T1 *CUSTOMER L1 (L1) (T1) 1L1 BLK (F15A) 2L1 (U1) (U2) 4L1 F16A 5L1 VLT(L1) (T1) 1T1 (L1) <u>T1</u> INPUT SUPPLIED L1/R/91 T1/U/96 POWER (V1) (V2) 4L2 (F16B) 5L2 ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 4T2 (L2) (T2) 2T2 FEEDER L2 (L2) (T2) 1L2 BLK [F15B] 2L2 L2/S/92 T2/V/97 3 PH. (W1) (W2) 4L3 |F16B| 5L3 |L2/5/92 |L3/T/93 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK |F15C|| 2L3 2T3 (L3) (T3) 1T3 (L3) T3 4T3 (L3) (T3) 480V, PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN DISCONNECT FUSES REACTOR (L1) (T1) 3T1 (L1) T1 (L2) (T2) 3T2 (L2) T2 *AC MOTOR 2 EARTH GROUND GRN (L1) (T1) (L2) (T2) (L3) (T3) 3T3 (L3) (L3) (T3) 163 RED X2 F12 115VAC HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 (9) (5) (2) FAN 1 (SET: 80° F) (23) (24) TB2 TS1 FAN 2 2)FAN 3 FAN 4 WARNING! THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED TO SHEET 2 TO SHEET 2 FOR YOUR APPLICATION. DRIVE PARAMETER SETTINGS NOTES: * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 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:
- HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS

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		
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

APR

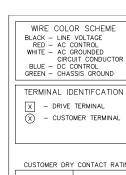
NAME

NEMA 3R,480V,2C , MAIN DISC, MAIN & DRIVE FUSE ,3MB,IR,CONTACT MOTOR SELECT,4 FAN



MODEL PAGE 1 OF 2 **VLT**

NO.





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

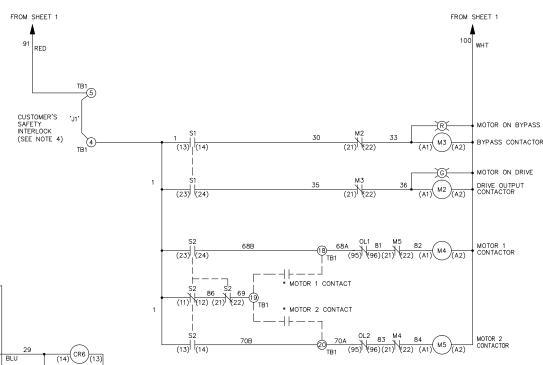
CONTACT SEQUENCE CHART FOR S1

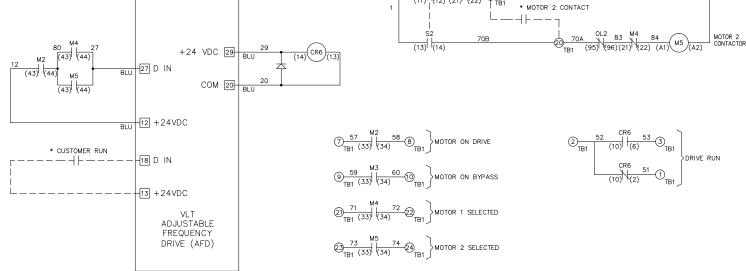
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S2

CATES CONT	ACT CLOSE	D
MOTOR 1	AUTO	MOTOR 2
X	X	
		Χ
	X	X
Х		
		MOTOR 1 AUTO X X





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 <i>TM</i>	NAME NEMA 3R,480V,2C , MAIN DISC, MAIN & DRIVE FUSE	. N I
ΔPR	,3MB,IR,CONTACT MOTOR SELECT,4 FA	41 <i>A</i>

Danfoss

MODEL VLT

DTM

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