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 GRN / * AC MOTOR 1 H(SEE NOTES 6) OL1 4T1 (L1) M2 (T1) 2T1 *CUSTOMER 3L1 (U1) (U2) 4L1 (F16A) 1<u>T1 (L1)</u> X_T1 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 -TF18AT POWER 3L2 (V1) (V2) 4L2 [F16B] 5L2 ADJUSTABLE FREQUENCY 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER BLK 2L2 3 PH, 480V, L2/S/92 T2/V/97 F18BT 3L3 (W1) (W2) 4L3 ||F16C|| 5L3 ||L2/5/92 ||L3/T/93 || DRIVE CIRCUIT BLK 2L3 4T3 (L3) (T3) 1T3 (L3) PROTECTION ~_^ T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) CB1 INPUT DRIVE INPUT FUSES DRIVE CIRCUIT *AC MOTOR 2 DISCONNECT REACTOR BREAKER (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 EARTH GROUND GRN [F19A] 3T2 (L2) T2 F19B (L3) (T3) 3T3 (L3) F19C 163 RED X2 - F12 115VAC (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (9) (5) 7)FAN 1 (SET: 80°F) (23) (24) TB2 TO SHEET 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.

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 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:
- 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
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

MOTICE

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.	1	VARIABLE TORQUE
5-02	TERMINAL 29 TYPE	1	OUTPUT
5-31	5-31 TERMINAL 29		RUNNING
14-20	RESET MODE	13	INFINITE AUTO REST

l R			- NOTICE -	
			THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	
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DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED	
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	
REV	ECN	DATE		'

DRN D TM	NAME	NEMA 3R,480V,2C ,MAIN CB, DRIVE DISC, DRIVE FUSE
APR	_	,3MB1,IR,DUAL MOTOR,1 FAN
DTM	MODEL	VLT PAGE <u>1</u> OF <u>2</u> SIZE A

DWG 1 NO.	8	5B0592

WIRE COLOR SCHEME
BLACK - LINE VOLTAGE
RED - AC CONTROL
WHITE - AC GROUNDED

WHITE — AC GROUNDED
CIRCUIT CONDUCTOR
BLUE — DC CONTROL
GREEN — CHASSIS GROUND

TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

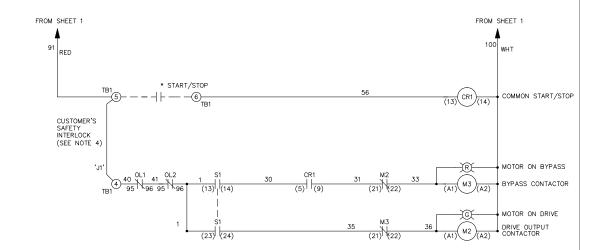
CUSTOMER TERMINAL

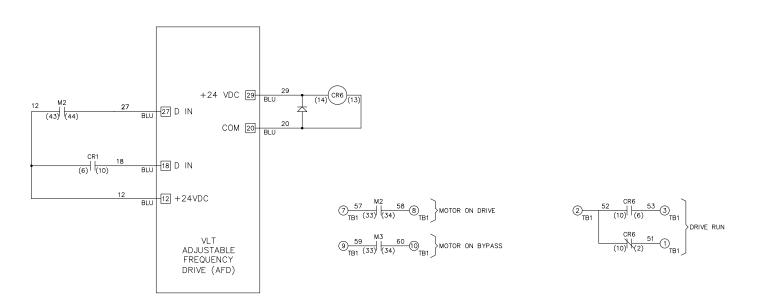
CUSTOMER DRY CONTACT RATINGS

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 HIDIOTTICS CONTINUE OCCORD			
POSITION			
CONTACT	DRIVE	OFF	BYPASS
13-14			Χ
23-24	Χ		





В		
Α	SP10119	11/10
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	DRN		
,		D TM	
	4 DD		

DTM

MODEL

VLT

NAME NEMA 3R,480V,2C ,MAIN CB, DRIVE DISC, DRIVE FUS ,3MB1,IR,DUAL MOTOR,1 FAN

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

4 3R,480V,2C	
RIVE DISC, DRIVE FUSE	Danfoss
DUAL MOTOR,1 FAN	