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 * AC MOTOR H(SEE NOTES 6) OL1 4T1 (L1) M2 (T1) 2T1 *CUSTOMER 1<u>T1 (L1)</u> X <u>T1</u> L1 (L1) (T1) VLT INPUT SUPPLIED [F16A] L1/R/91 T1/U/96 -TF18AT POWER ADJUSTABLE FREQUENCY 5L2 4T2 (L2) (T2) 1T2 (L2) T2 BRANCH L2 (L2) (T2) BLK 2L2 3L2 [F16B] L2/S/92 T2/V/97 F18B 3 PH. -[F16C] 5L3 DRIVE 1T3 (L3) T3 CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) 480V, PROTECTION L3/T/93 T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES MAIN DRIVE *AC MOTOR 2 DISCONNECT DISCONNECT (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 EARTH GROUND GRN F19A 3T2 (L2) T2 (T2 (T3 F19B (L3) 3T3 (L3) (T3) F19C 163 RED X2 100 WHT - F12 |-115VAC CR6 (12) 5 (11) TS1 HEATER (SET: 65' F) 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: PARAMETER # SETTING * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER. 0-02 MOTOR SPEED UNIT H7

- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 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:
- HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- ELEVATION ABOVE 3300 FEET (1000 METERS)
- LONG MOTOR LEAD LENGTHS 5.4.
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

- NOTICE -

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THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD AND REFERENCE PURPOSES, SHALL NOT BE USED OR CAUSED TO BE USED

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AND SHALL BE RETURNED UPON REQUEST.

TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES

DRN	NAME	NE	EMA 3R	,480V,20	0		
D TM		,MAIN &				Ξ	1
APR		,JMB,	DUAL N	10TOR,4	FAN		
DTM	MODEL	VLT	PAGE _1	L of <u>2</u>	SIZE	DWG 1 S	5B2

REGIONAL SETTINGS

TORQUE CHAR

TERMINAL 29 TYPE

TERMINAL 29

RESET MODE

NORTH AMERICA

VARIABLE TORQUE

OUTPUT

RUNNING

INFINITE AUTO REST

13

0-03

1-03

5-02

5-31

14-20

В SP10119 11/10 Α DR SP10076 09/10 REV ECN

WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

TERMINAL IDENTIFICATION

X - DRIVE TERMINAL

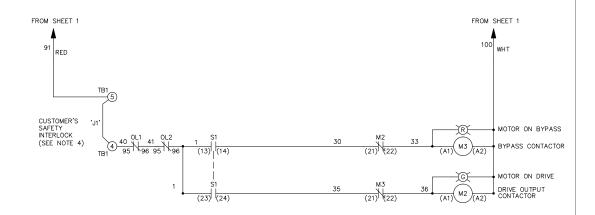
 $\overline{\otimes}$ - CUSTOMER TERMINAL

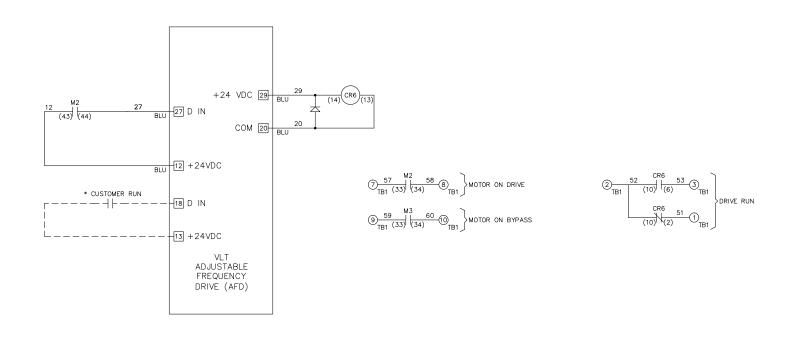
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S1

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





В		
Α	SP10119	11/10
DR	SP10076	09/10
REV	ECN	DATE

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DTM

NAME NEMA 3R,480V,2C ,MAIN & DRIVE DISC, DRIVE FUSE ,3MB,DUAL MOTOR,4 FAN



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