WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL X - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN / \neg 4T1 (L1) (T1) 2T1 4T2 (L2) (T2) 2 * AC MOTOR 1 *CUSTOMER (U1) (U2) 4L1 F16A 5L1 L1/R/91 L1 (L1) (T1) 1L1 BLK (F15A) 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 L2 (L2) (T2) 1L2 BLK F15B 2L2 2T2 FEEDER T2/V/97 3 PH, 240V, (W1) (W2) 4L3 (F16B) 5L3 (L2/S/92 L3/T/93 2T3 (L3) (T3) 1T3 (L3) T3 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK [F15C] 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN DISCONNECT **FUSES** REACTOR (L1) (T1) (L2) (T2) (L1) (T1) 3T1 (L1) T1 (L2) (T2) 3T2 (L2) T2 *AC MOTOR 2 EARTH GROUND GRN (L3) (T3) (L3) (T3) 3T3 (L3) 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

TO SHEET 2

WARNING!
F LISTS THE PARAM

THE FOLLOWING TABLE LISTS THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED FOR YOUR APPLICATION.

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

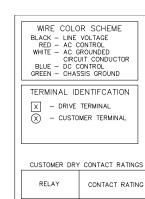
NOTES:

- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- 2. 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:

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

A SP10119 11/10 DR SP10076 09/10 DR SP10076 V FCN DATE TO ANYONE WITHOUT THE DIRECT WRITES TO PANFOSS DRIVES SUBJECT TO THE CONDITIONS THAT IT AND THE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITES PERMISSION OF DANFOSS DRIVES 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 PREJUDICAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITES PERMISSION OF DANFOSS DRIVES AND THE PAGE 1 OF 2 SIZE A DWG 1 8 5 B 0 2 6 9 B 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1	В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	NE	EMA 3R,240V,2C		The sheet
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AND SHALL BE RETORNED OF ON REQUEST.	REV	ECN			DIM	WIODEL	VLT	page <u>1</u> of <u>2</u>		185BUZ69



CR6

M2, M3, M4, M5

5A @ 120VAC

1/10 HP @ 120VAC

10A @ 120/240VAC

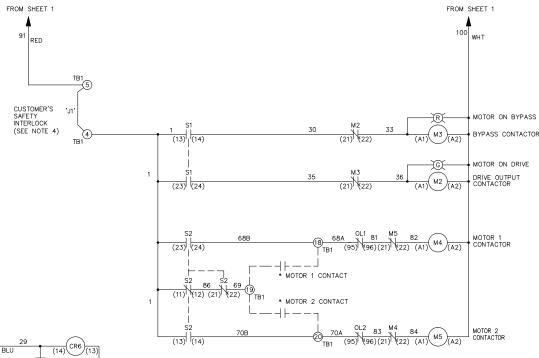


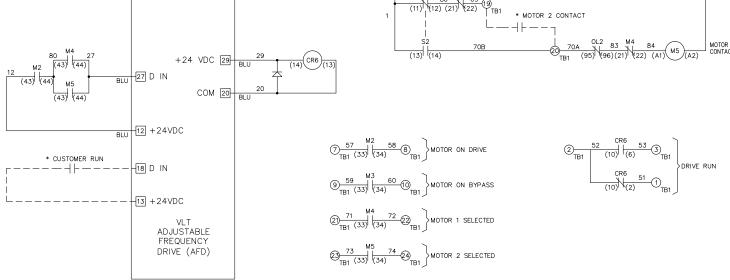
X INDICATES CONTACT CLOSED							
DRIVE	OFF	BYPASS					
		Χ					
Χ							

CONTACT	DRIVE	OFF	BYPAS
13-14			Χ
23-24	Χ		

CONTACT SEQUENCE CHART FOR S2

X INDICATES CONTACT CLOSED							
POSITION							
CONTACT	MOTOR 1	AUTO	MOTOR 2				
11-12	X	X					
13-14			X				
21-22		X	\rightarrow X				
23-24	Х						





В		
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- NOTICE -
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DTM	MODEL	VLT	PAGE <u>2</u> OF <u>2</u>	SIZE	DWG 18	5B0269

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