WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND \neg 4T1 (L1) M2 4T2 (L2) (T2) 2T1 * AC MOTOR 1 *CUSTOMER 5L1 L1/R/91 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY 2T2 (L2) (T2) 1T2 (L2) T2 -0 10 3L2 FEEDER BLK 2L2 T2/V/97 3 PH, 480V, L2/S/92 DRIVE 2T3 (L3) (T3) 1T3 (L3) T3 CIRCUIT BLK 2L3 3L3 4T3 (L3) (T3) T3/W/98 PROTECTION ^_ہ (AFD) 60Hz (SEE NOTE 3) CB1 DRIVE INPUT FUSES DRIVE CIRCUIT DISCONNECT BREAKER (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 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (1)-2)FAN 1 (SET: 80°F) (9) (5) (23) (24) TB2 TS1 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.

- 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

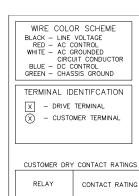
1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS

| DDI//E | PARAMETER | CETTIMICS |
|--------|------------|-----------|
| DKIVE | PARAMILIER | OF LIHNGO |

| 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 | | | - NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES. | DRN | NAME | NI | EMA 3R,480V,2C | | | - Lu |
|-----|---------|-------|--|------|-------|------------|---------------------------|---------|--------------|---------|
| Α | SP10119 | 11/10 | 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 | DIM | | | DRIVE DISC, DR | | | Janjoso |
| 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 | APR | MODEL | ,3141,0011 | ACT MOTOR SEL | EUI,I F | D.W.O. 4. GO | |
| REV | ECN | DATE | TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST. | D TM | MODEL | VLT | PAGE <u>1</u> OF <u>2</u> | SIZE | NO. 18 | 5BU59U |



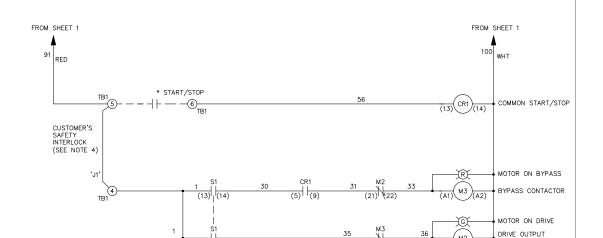
| RELAY | CONTACT RATING |
|-------------------|---------------------------------|
| CR1, CR6 | 5A @ 120VAC 1/10 HP @ 120VAC |
| M2, M3, M4, M5 | 10A @ 120/240VAC |

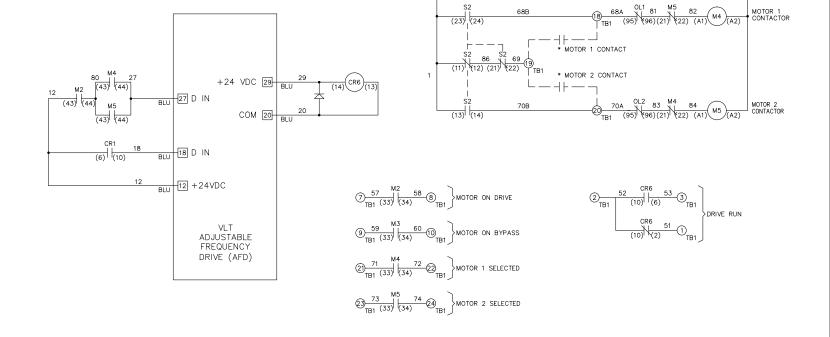


| X INDICATES CONTACT CLUSED | | | | |
|----------------------------|-------|-----|--------|--|
| POSITION | | | | |
| CONTACT | DRIVE | OFF | BYPASS | |
| 13-14 | | | Χ | |
| 23-24 | Χ | | | |

CONTACT SEQUENCE CHART FOR S2

| A INDICATES CONTACT CLOSED | | | | |
|----------------------------|---------|---------------|---------|--|
| POSITION | | | | |
| CONTACT | MOTOR 1 | AUTO | MOTOR 2 | |
| 11-12 | X | X | | |
| 13-14 | | | Χ | |
| 21-22 | | X | —X | |
| 23-24 | X | | | |





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

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| DRN | D TM |
|-----|------|
| | |

DTM

MODEL

VLT

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

,3MB1,CONTACT MOTOR SELECT,1 FAN PAGE <u>2</u> OF <u>2</u>