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 H* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 *CUSTOMER _L1_(L1)___(T1) BLK 2L1 5L1 VLT (L1)_X_T1_ INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] L1/R/91 POWER ADJUSTABLE FREQUENCY 4T2 (L2) (T2) (L2) T2 BRANCH L2 (L2) (T2) BLK 2L2 3 PH, 600V, L2/S/92 T2/V/97 DRIVE |F16B| 5L3 | L2/3/92 | |F16C| 5L3 | L3/T/93 CIRCUIT (L3)_X_T3_. L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DRIVE MAIN DISCONNECT DISCONNECT (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT - F12 X2 X3 250V 115VAC T2 (12) (4) 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 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. BRANCHCIRCUIT 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
- 5.2. HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. 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 | | | - NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES. | DRN | NAME | | EMA 3R,600V,2C | | |
|----|---------|-------|--|------|-------|----------|---------------------------|--------|----------|
| А | 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 | D TM | | | DRIVE DISC, DRIV | | - |
| DF | 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 | MODFI | ,314161, | SINGLE MOTOR,4 | CLZE . | DV |
| RE | V ECN | DATE | NOT BE REPRODUCED OR OPTION IN MOLE OR IN PART, OR DISCLOSED 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 | NC NC |

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

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

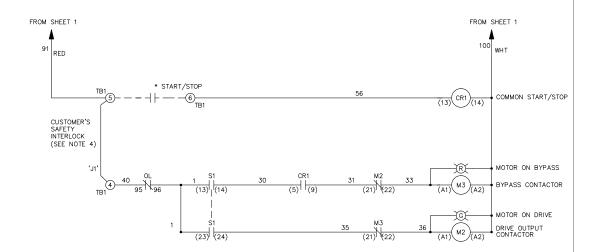
 $\overline{\otimes}$ - CUSTOMER TERMINAL

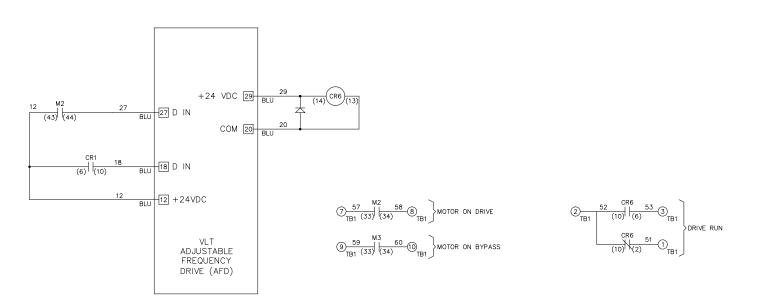
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S1

| A 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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|) | DRN | D TM |
|---|-----|------|
| | 400 | |

DTM

MODEL

VLT

NAME NEMA 3R,600V,2C ,MA

| AIN | & | DRIVE | DISC, | DRIV | Æ FUS | E |
|-----|-----|---------|-------|------|-------|---|
| ,3№ | 1B1 | ,SINGLE | E MOT | OR,4 | FAN | |
| | | | | | | |

page $\underline{2}$ of $\underline{2}$ $\left| \begin{array}{c} \text{SIZE} \land \\ \text{NO.} \end{array} \right| 185B2190$