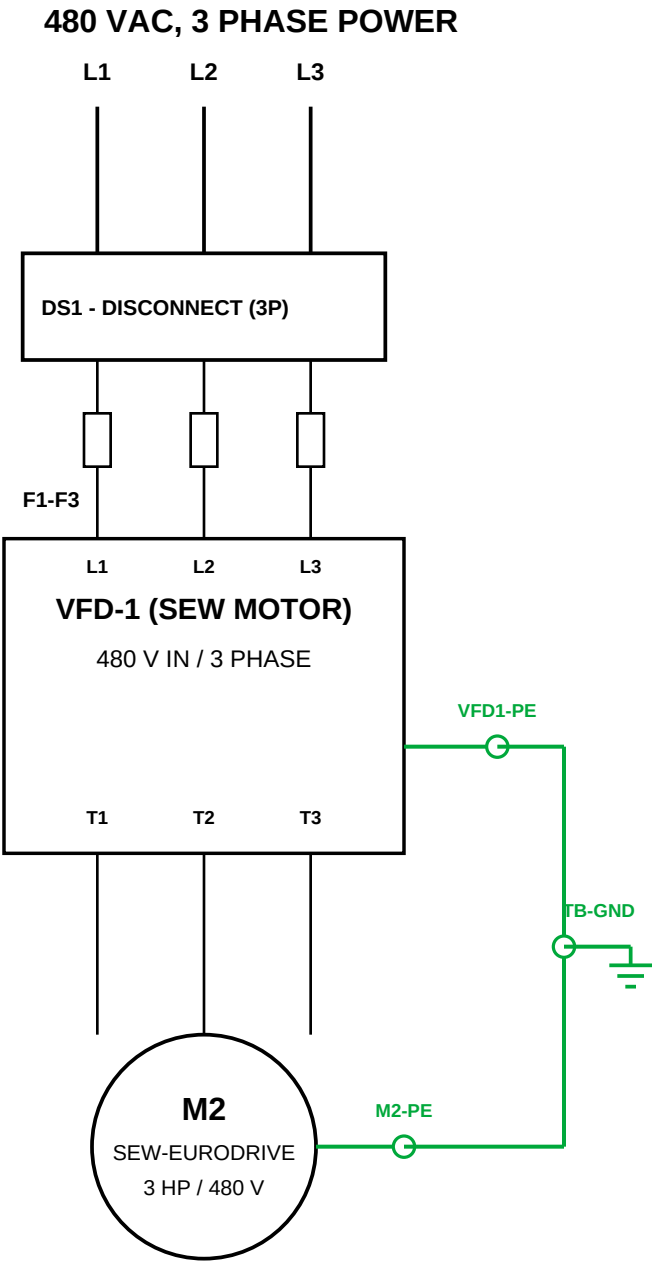
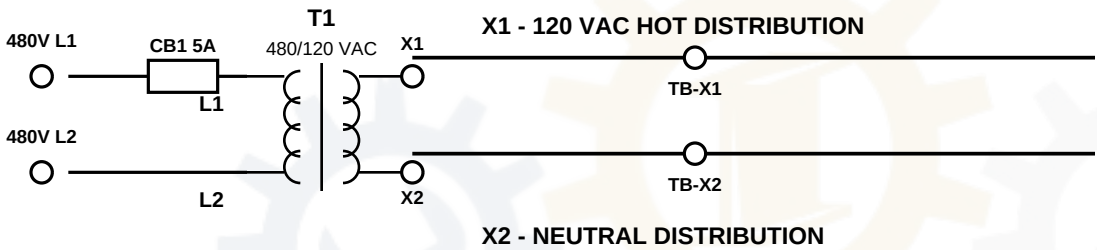




T1 CONTROL-POWER TRANSFORMER



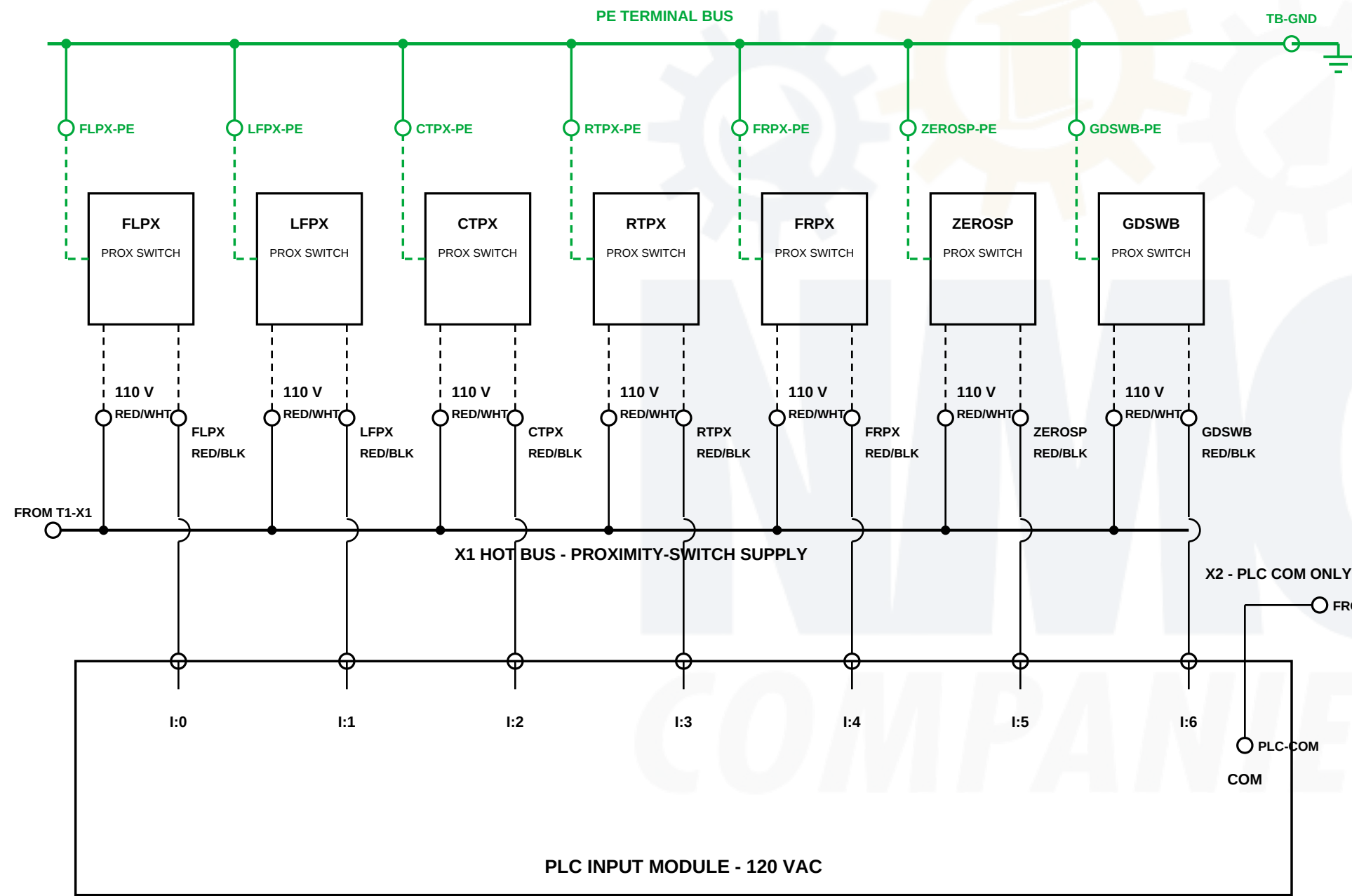
NOTES

1. T1 secondary X1 is hot and feeds only the X1 terminal group.
2. T1 secondary X2 feeds PLC input COM and M1 white neutral only.
3. Do not install any jumper or junction between X1 and X2.
4. Equipment grounding conductors land on PE terminals, then TB-GND, then earth.
5. Verify VFD branch protection, conductor sizes, and terminals against approved equipment data.

SHEET 1 TERMINAL SCHEDULE

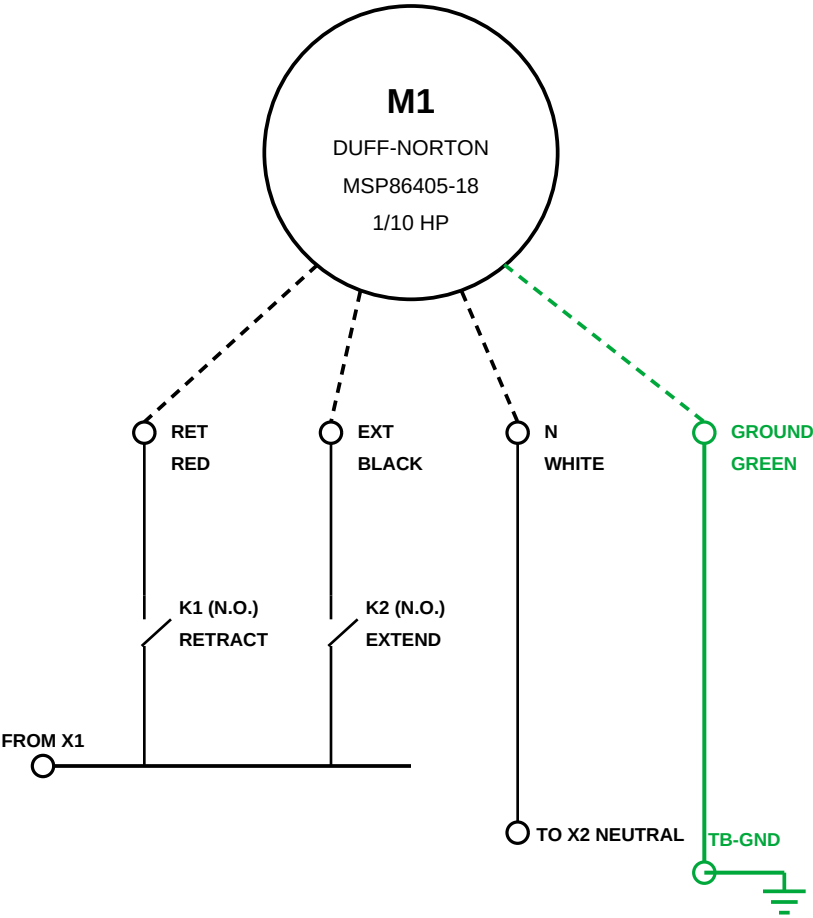
TERMINAL	FROM	TO
VFD1-PE	VFD-1 PE	TB-GND
M2-PE	M2 FRAME	TB-GND
TB-X1	T1 X1	PROX / CONTROL HOT
TB-X2	T1 X2	PLC COM / M1 NEUTRAL

120 VAC INPUT CIRCUITS - FIELD DEVICES ROUTED THROUGH TERMINALS

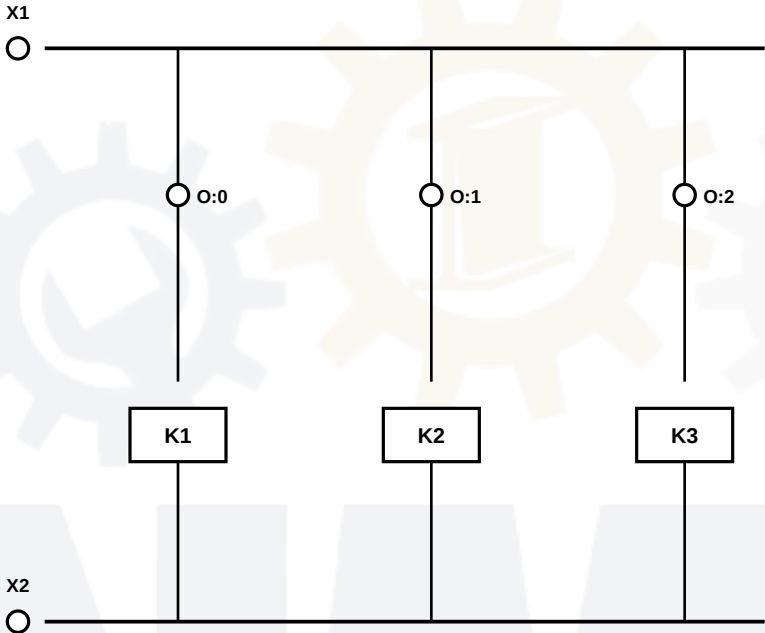


PLC INPUT TERMINAL SCHEDULE		
DEVICE	SIGNAL TERM	PLC
FLPX	FLPX	I:0
LFPX	LFPX	I:1
CTPX	CTPX	I:2
RTPX	RTPX	I:3
FRPX	FRPX	I:4
ZEROSP	ZEROSP	I:5
GDSWB	GDSWB	I:6
PLC COM	PLC-COM	X2
EACH DEVICE ALSO USES: 110 V = switch supply terminal from X1 bus <ID>-PE = equipment-ground terminal		

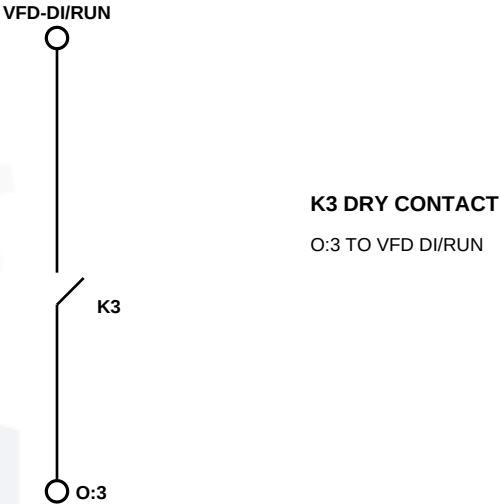
LINEAR ACTUATOR M1 - 115 VAC



PLC OUTPUT COMMANDS



VFD RUN DRY CONTACT



K3 DRY CONTACT
O:3 TO VFD DI/RUN

NOTES

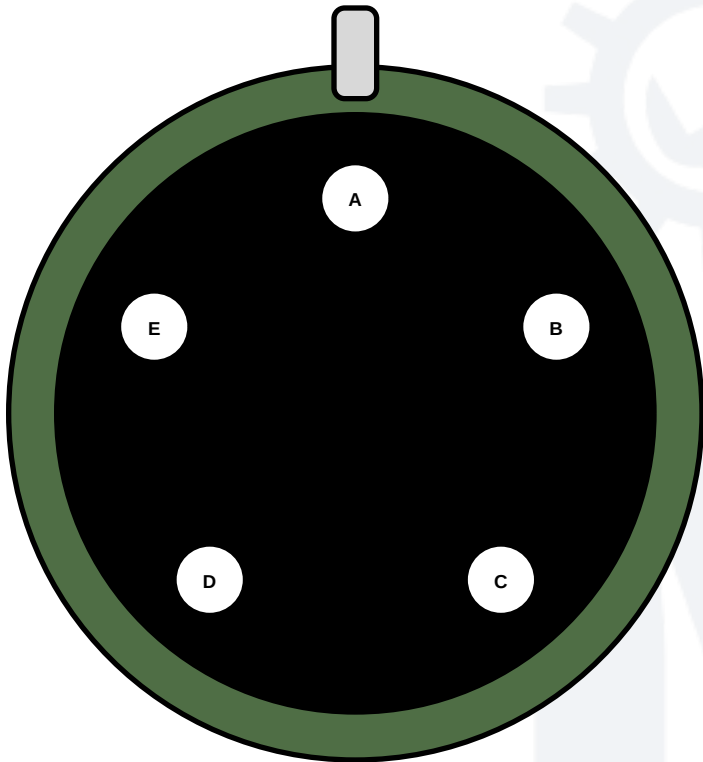
- 1. All field conductors land on a labeled terminal before panel equipment.
- 2. M1 white neutral lands on terminal N and continues to X2, not PLC output COM.
- 3. M1 green lands on terminal GROUND and continues to TB-GND only.
- 4. K1 retract and K2 extend power contacts are normally open and supplied from X1.
- 5. K3 provides an isolated dry-contact run command to the VFD.

SHEET 3 TERMINAL SCHEDULE

TERM	FIELD CONDUCTOR	DESTINATION
RET	M1 RED	K1 N.O. RETRACT CONTACT
EXT	M1 BLACK	K2 N.O. EXTEND CONTACT
N	M1 WHITE	X2 NEUTRAL
GROUND	M1 GREEN	TB-GND / PE
VFD-DI/RUN	VFD RUN INPUT	K3 DRY CONTACT
O:3	PLC O:3	K3 DRY CONTACT

J1 - 5-PIN LINEAR-ACTUATOR CONNECTOR

MALE CONNECTOR - MATING-FACE VIEW



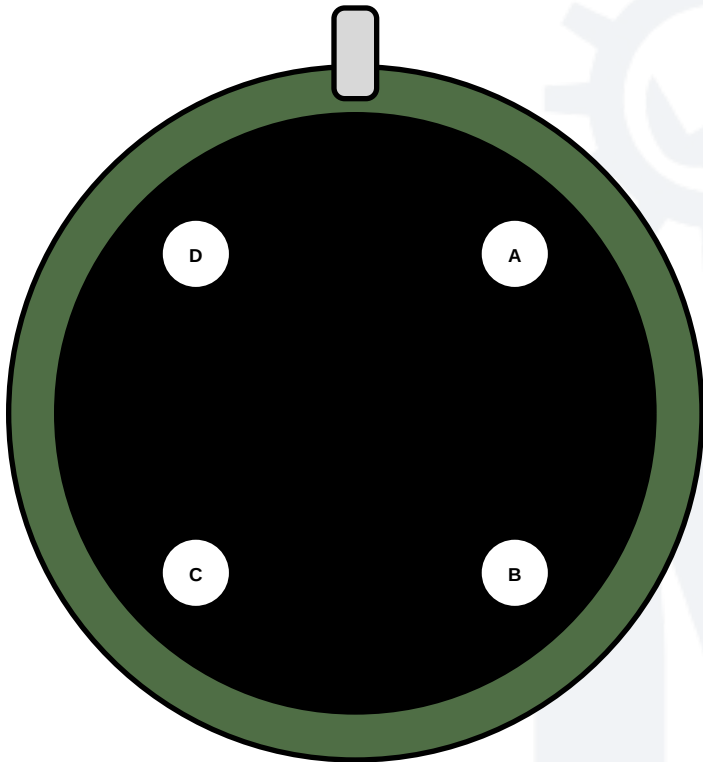
NOTES

- 1. Pin assignments are reproduced from the printed connector reference.
- 2. The connector view is from the male mating face with the key at 12 o'clock.
- 3. Confirm cable conductor colors at both ends before termination.
- 4. Cross-reference M1 field wiring on Sheet 3 before termination.

CONNECTOR PIN SCHEDULE		
PIN	CONDUCTOR	FUNCTION / DESTINATION
A	BLACK	EXT - M1 EXTEND
B	RED	RET - M1 RETRACT
C	WHITE	N - X2 NEUTRAL
D	GREEN	GND - TB-GND / PE
E	-	NOT USED

J2 - 4-PIN GDSW SWITCH CONNECTOR

MALE CONNECTOR - MATING-FACE VIEW



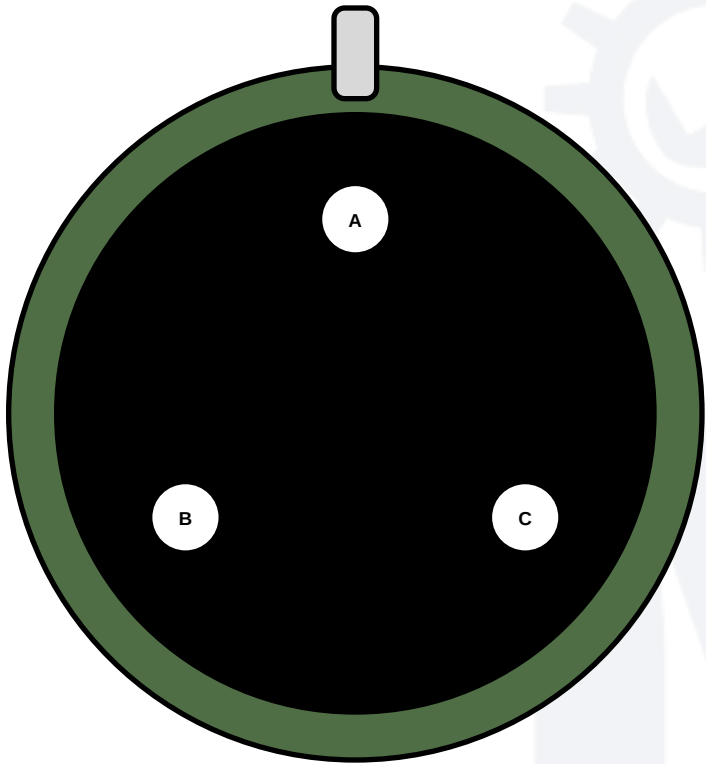
NOTES

- 1. Red/Black on A and Red/White on B incorporate the handwritten field instructions.
- 2. The connector view is from the male mating face with the key at 12 o'clock.
- 3. A is the GDSWA normally-open contact; B is GDSWB common.
- 4. Verify the molded A-D contact markings before soldering.

CONNECTOR PIN SCHEDULE		
PIN	CONDUCTOR	FUNCTION / DESTINATION
A	RED/BLACK	GDSWA - N.O. CONTACT
B	RED/WHITE	GDSWB - COMMON
C	GREEN/YELLOW	GND - TB-GND / PE
D	-	NOT USED

J3 - 3-PIN ALLEN-BRADLEY PROXIMITY CONNECTOR

MALE CONNECTOR - MATING-FACE VIEW



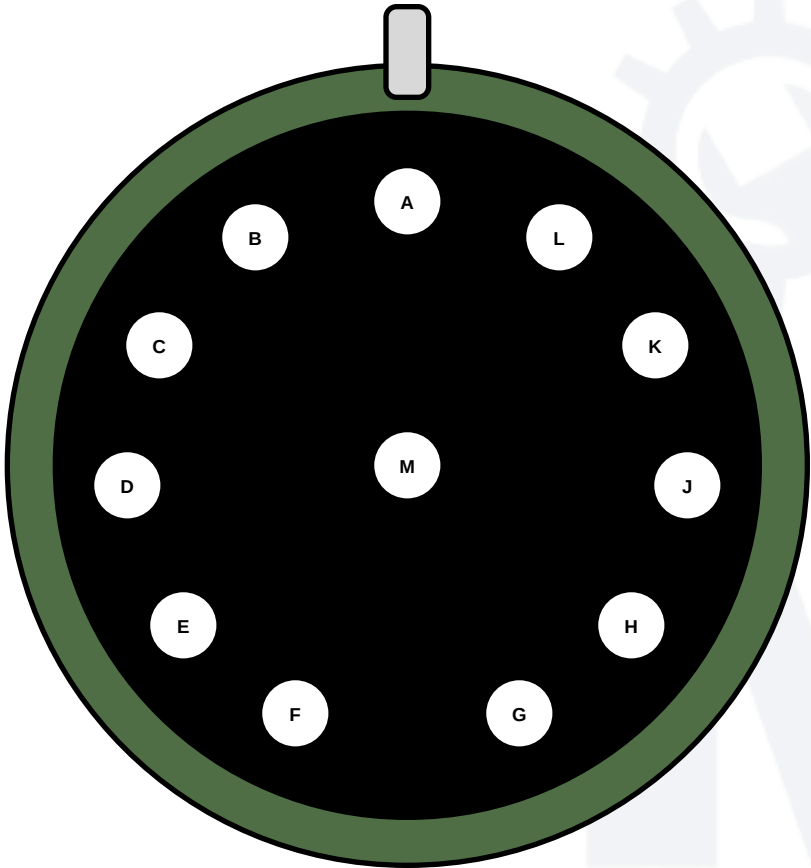
NOTES

- 1. A/B/C contact assignments incorporate the handwritten field instructions.
- 2. Pin A is Green ground; Pin B is Red/Black ZEROSP; Pin C is Red/White 110 V.
- 3. The connector view is from the male mating face with the key at 12 o'clock.
- 4. Verify the molded contact markings and mating orientation before termination.

CONNECTOR PIN SCHEDULE		
PIN	CONDUCTOR	FUNCTION / DESTINATION
A	GREEN	GND
B	RED/BLACK STRIPE	ZEROSP - COUNTER SIGNAL
C	RED/WHITE STRIPE	110 V SUPPLY

J4 - 12-PIN CONTROL CONNECTOR

MALE CONNECTOR - MATING-FACE VIEW



NOTES

- 1. Assignments are reproduced from the printed 12-pin layout only.
- 2. The connector view is from the male mating face with the key at 12 o'clock.
- 3. Maintain the printed FLPX and LFPX assignments shown in the schedule.
- 4. Verify conductor continuity and molded contact letters before energizing.

CONNECTOR PIN SCHEDULE		
PIN	CONDUCTOR	FUNCTION / DESTINATION
A	GREEN	110 V
B	ORANGE/BLACK	LFPX
C	BLUE/BLACK	FLPX
D	WHITE/BLACK	CTPX
E	RED/BLACK	RTPX
F	WHITE	FRPX
G	GREEN/BLACK	G
H	RED	ZEROSP
J	ORANGE	110 V
K	BLUE	K
L	BLACK/WHITE	GDSWA
M	BLACK	GDSWB