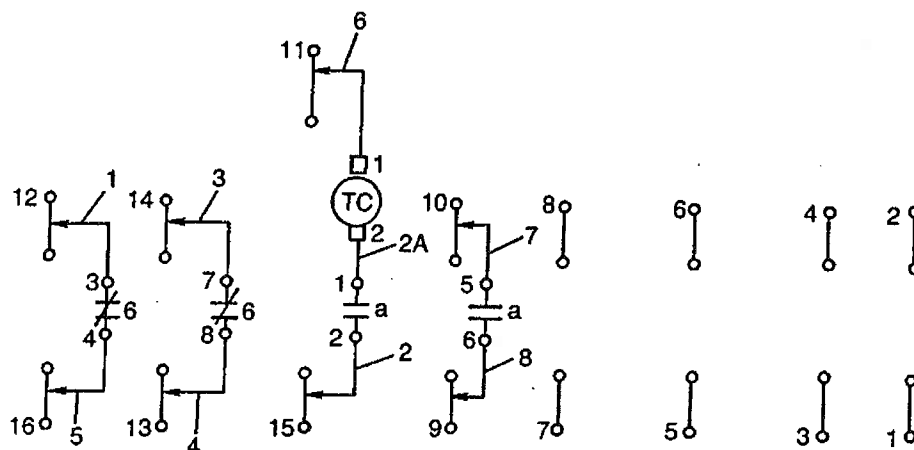


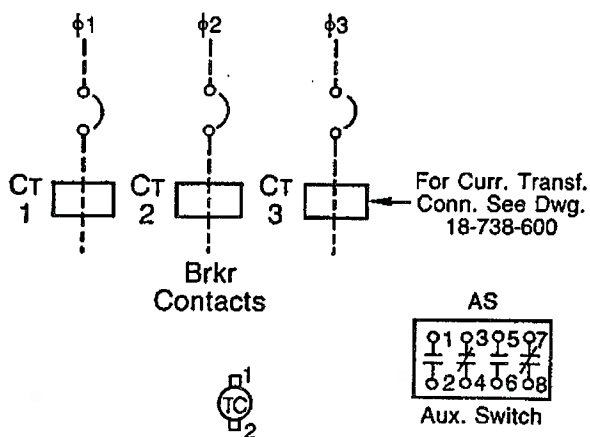
RL Manually Operated ACB Wiring Diagrams

Drawing No. 18-738-601-421



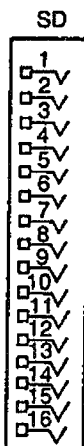
DEVICE LIST

- TC — Shunt Trip Coil
- a — Aux. Sw.-Open when Bkr. is Open
- b — Aux. Sw.-Closed when Bkr. is Open
- AL — Alarm Relay
- UV — Undervoltage Trip Device



Class 'C' Wiring
No. 14 Wire SIS
00-557-286-341
No. 18 Wire SIS
00-557-286-005

Wire	Wire Chart		Wire
	Terminal		
1	SD12	AS3	14
5	SD16	AS4	14
3	SD14	AS7	14
4	SD13	AS8	14
6	SD11	TC1	18
2	SD15	AS2	18
2A	AS1	TC2	18
2A	AS1	TC2	14
7	SD7	AS5	14
8	SD8	AS6	14



Sec. Disc.

○—Multiple Terminals Possible
□—Single Faston Tab. 1 Connection Only

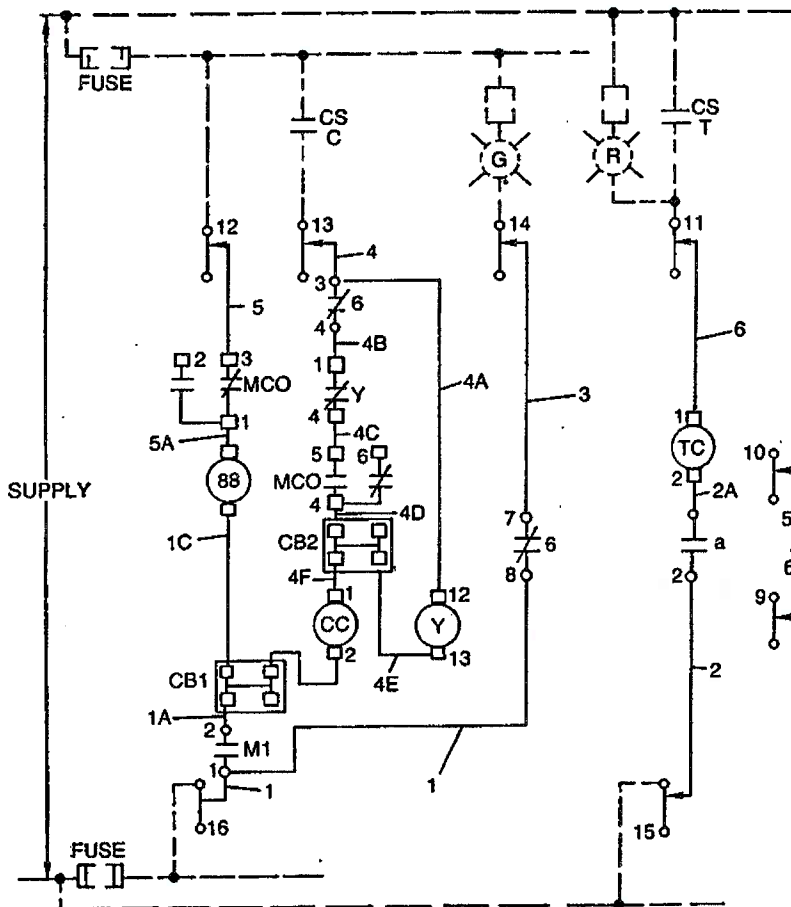
OEM Components 600V Type R

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Switchgear Division

RL Electrically Operated ACB Wiring Diagram

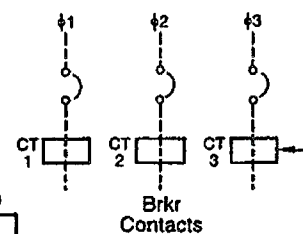
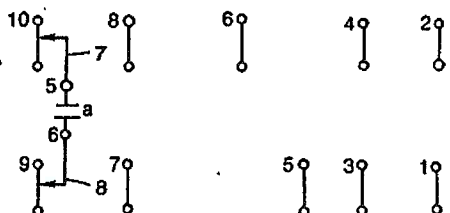
Drawing No.18-738-602-401



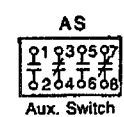
Class 'C' Wiring
No. 18 Wire SIS
00-557-286-003
No. 14 Wire SIS
00-557-286-341

Wire	Wire Chart	Wire
1	SD18	MU1
1A	MM2	CB1
1B	CB1	CC2
2	SD15	AS2
2A	AS3	TC2
3	SD14	AS7
4	SD13	AS3
4A	AS3	Y12
4B	AS4	Y1
4C	Y4	MCO15
4D	MCO4	CB2
4E	CB2	Y13
4F	CB2	CC1
5	SD12	MCO3
6	SD11	TC1
7	SD10	AS5
8	SD9	AS8
8B-1 (SA)	88	CB1
8B-2 (TC)	88	MCO1

Harness 18-398-289-505



"Curr. Trans's"
For Applicable
Dwg. No. of Conn's.
See 3/L Diagram



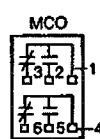
Sec. Disc.

○—Multiple Terminals Possible
□—Single Faston Tab. 1 Connection Only

DEVICE LIST

- CC — Closing Coil—(Spring Release)
- TC — Shunt Trip Coil
- SM — Spring Charging Motor
- MCO — Motor Cutoff Switch
- MI — Mechanical Interlock
- Y — Closing Relay Anti Pump
- a — Aux. Sw.-Open when Bkr. is Open
- b — Aux. Sw.-Closed when Bkr. is Open
- AL — Alarm Relay
- UV — Undervoltage Trip Device
- R — Red Indicating Lamp-Bkr. Closed
- G — Green Indicating Lamp-Bkr. Closed
- CS/C — Control SW.-Close Contact
- CS/T — Control SW.-Trip Contact
- STD — Static Trip Device on Bkr.—(Grd. Sensing)

Circuit
Breaker-
Stored
Energy
Operator



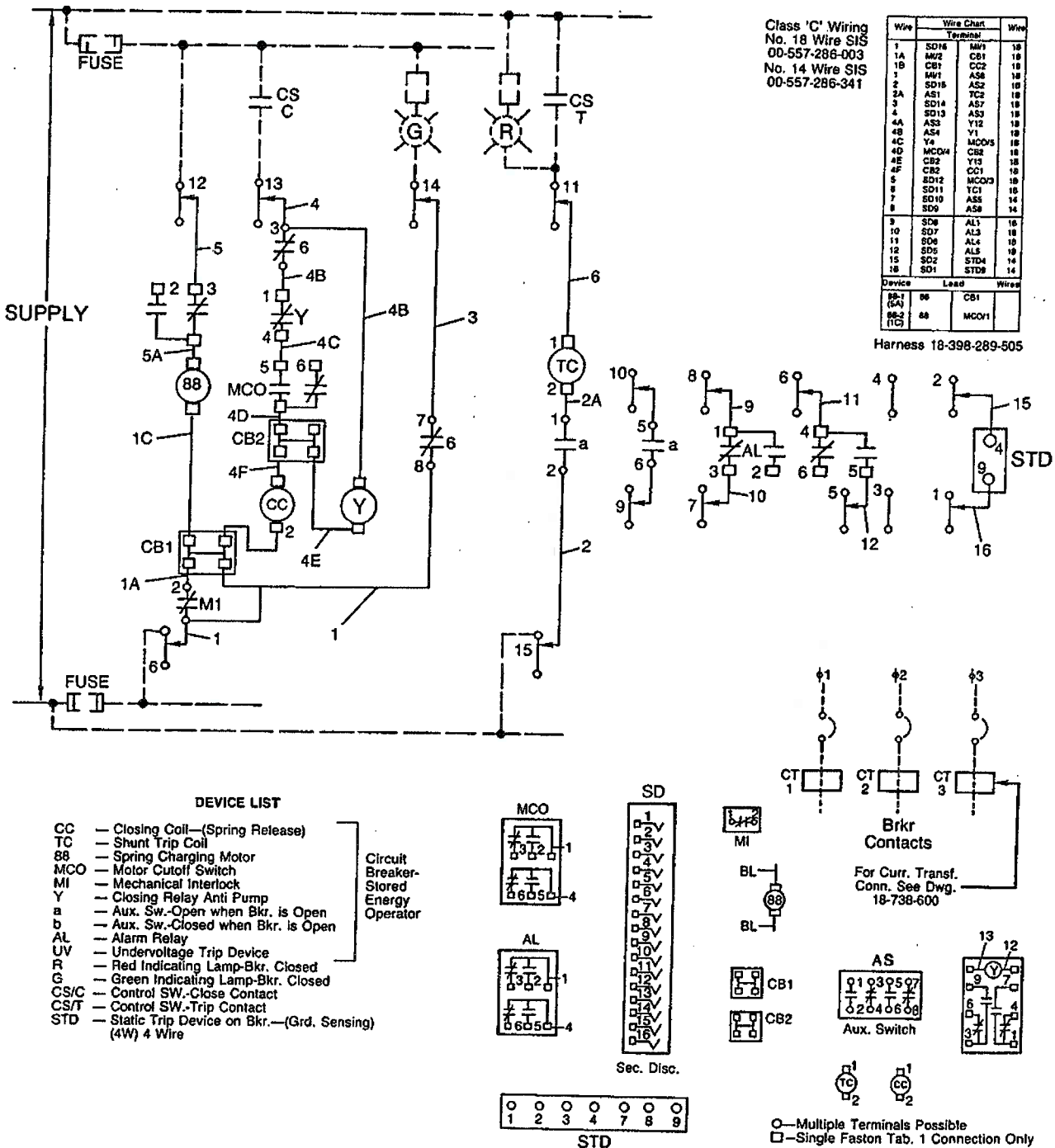
OEM Components 600V Type R

Switchgear Division

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RL Electrically Operated ACB Wiring Diagram

Drawing No.18-738-602-408



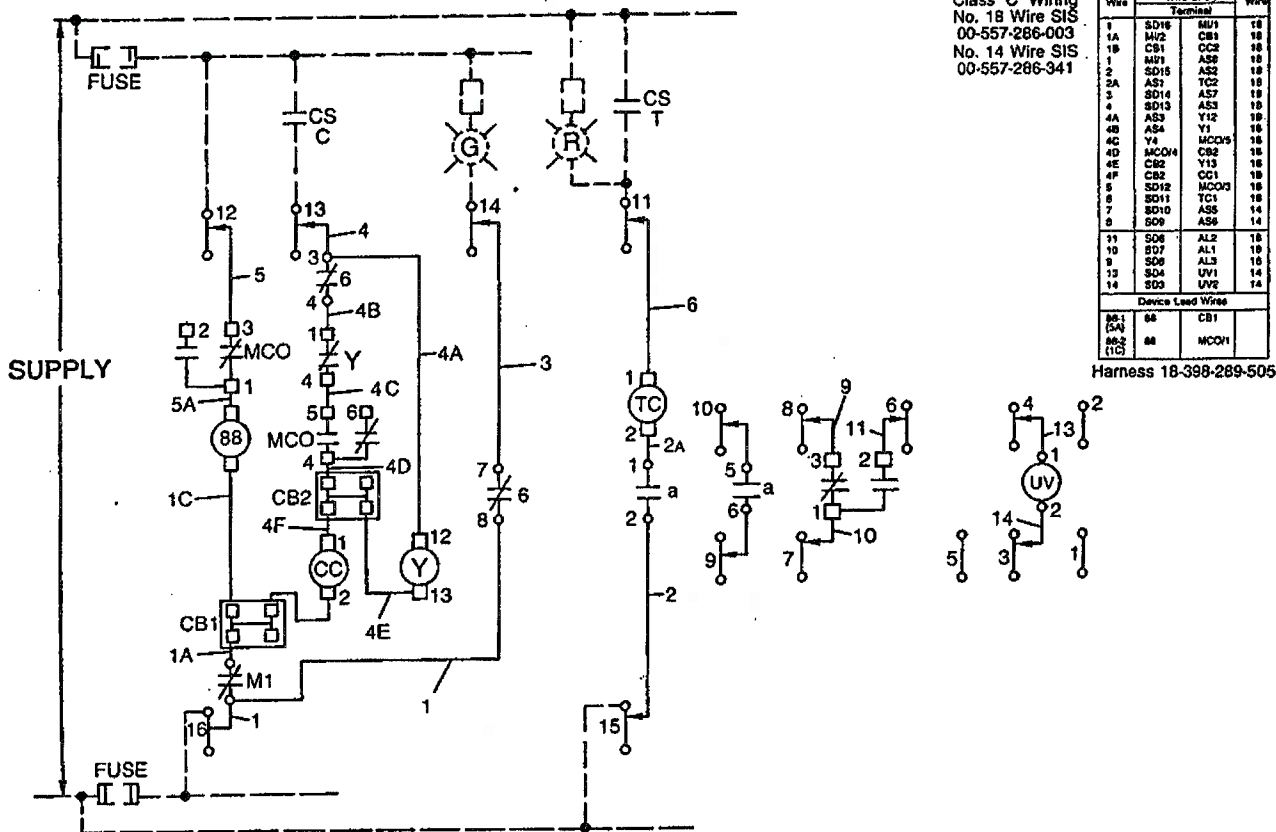
OEM Components 600V Type R

Switchgear Division

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RL Electrically Operated ACB Wiring Diagram

Drawing No. 18-738-602-412



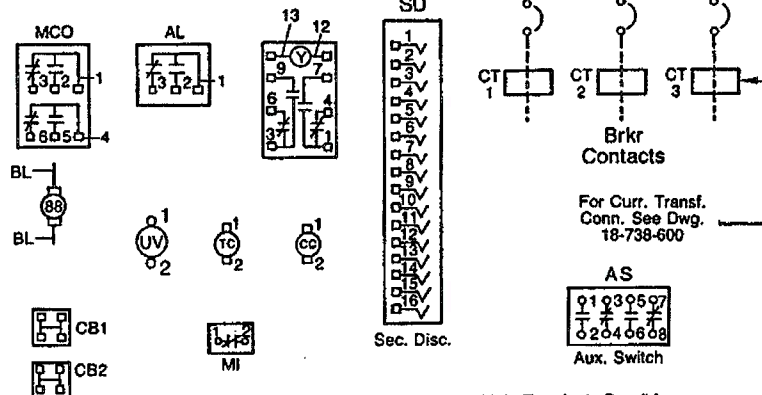
Class 'C' Wiring
No. 18 Wire SIS
00-557-286-003
No. 14 Wire SIS
00-557-286-341

Wire	Wire Chg	Wire
1	SD16	MU1
1A	SD12	CB1
1B	SD11	CC2
1C	SD15	AS2
2	SD14	AS7
2A	SD13	AS3
3	SD12	TC1
4	SD11	TC1
4A	SD10	AS5
4B	SD9	AS6
4C	SD8	AL2
4D	SD7	AL1
4E	SD6	AL3
4F	SD5	UV1
5	SD4	UV2
6	SD3	UV2
7	SD2	UV2
8	SD1	UV2
9	SD0	UV2
10	SD0	UV2
11	SD0	UV2
12	SD0	UV2
13	SD0	UV2
14	SD0	UV2
15	SD0	UV2
16	SD0	UV2
17	SD0	UV2
18	SD0	UV2

Harness 18-398-289-505

- DEVICE LIST**
- CC — Closing Coil—(Spring Release)
 - TC — Shunt Trip Coil
 - 88 — Spring Charging Motor
 - MCO — Motor Cutoff Switch
 - MI — Mechanical Interlock
 - Y — Closing Relay Anti Pump
 - a — Aux. Sw.-Open when Bkr. Is Open
 - b — Aux. Sw.-Closed when Bkr. Is Open
 - AL — Alarm Relay
 - UV — Undervoltage Trip Device
 - R — Red Indicating Lamp-Bkr. Closed
 - G — Green Indicating Lamp-Bkr. Closed
 - CS/C — Control SW.-Close Contact
 - CS/T — Control SW.-Trip Contact
 - STD — Static Trip Device on Bkr.—(Grd. Sensing)
- (4W) 4 Wire

Circuit Breaker-
Stored
Energy
Operator



○—Multiple Terminals Possible
□—Single Faston Tab. 1 Connection Only

The wiring diagram illustrates the connection between three current transformers (CT1, CT2, CT3), a terminal block (STD), and a thermal relay (TA). The CTs are labeled with 'G' (Ground) and 'Y' (Yellow) terminals. Wires C1, C2, and C3 connect the 'Y' terminals of CT1, CT2, and CT3 respectively to terminals 1, 2, and 3 of the STD block. Wires C0 connect the 'G' terminals of all three CTs to terminal 4 of the STD block. Wire S connects terminal 8 of the STD block to the 'RED' lead of the TA. Wire SD1 connects terminal 9 of the STD block to terminal 16 of the TA. Wire SD2 connects terminal 7 of the STD block to terminal 15 of the TA. A black lead from the TA is also shown.

WIRE NO.	FROM	TO	SIZE
C1	CT1-Y	STD1	18
C2	CT2-Y	STD2	18
C3	CT3-Y	STD3	18
C0	CT1-G	CT2-G	18
C0	CT2-G	CT3-G	18
C0	CT3-G	STD9	18
15	STD4	SD2	18
16	STD9	SD1	18
TA1	RED	STD8	*
TA2	BLACK	STD7	*

* DEVICE LEADS

STATIC TRIP II "4WD" MK 403