FORM 190

INDEX - WIRING DIAGRAMS & SCHEMATICS DS CIRCUIT BREAKERS

M	DRAWING NO.	FIG. NO.	REF. (W) 800A600 FIG. NO.	DRAWING TITLE
1	A44025-167-01		–	Index, Legend, Notes
2	A44025-167-2A		2A	Standard Series Overcurrent Trip (No Ground)
3	A44025-167-2B		2B	Series Tripping with Ground (No Neutral Connection)
4	A44025-167-2C		2C	Series Trip with Ground Current Tripping (With Neutral Connection)
5	A44025-167-2D		2D	Series Trip with Ground - External Ground Current Sensing
6	A44025-167-2E		2E	Ground Current Tripping - Double Ended Substations With Multiple Ground (Special Wiring of Breaker at Square D) OBSOLETE-REPLACED BY 44025-167-17A
7	A44025-167-2F		2F	Ground Current Tripping - Double Ended Substations With Multiple Ground (Special Wiring of Breaker at Square D) Element Ground Connection Removed OBSOLETE - REPLACED BY 44025-167-2C-15E
8	A44025-167-3A		3A	Electric Spring Release for Manual Operated Breaker
9	A44025-167-3B		3B	Shunt Trip for Manual Operated Breaker
10	A44025-167-3C		3C	Electric Lockout for Manual Operated Breaker
11	A44025-167-3D		3D	Under Voltage Trip
12	A44025-167-4A		4A	Overcurrent Trip Switch (OTS) 1-N.O. & 1-N.C. Contact
13	A44025-167-4B		4B	Overcurrent Trip Switch (OTS) Electric Reset
14	A44025-167-4C		4C	Overcurrent Trip Switch (OTS) 2-N.O. Contacts
15	A44025-167-4D		4D	Overcurrent Trip Switch (OTS) 2-N.C. Contacts
16	A44025-167-4E		4E	Overcurrent Trip Switch (OTS) 1st Additional N.O. Contact (Manual Reset)

REV.	C. R.	DATE	BY
B	SWGR3 C-134	1-19-87	JWR

PRINTS TO: SEN

DO NOT SCALE – WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .030; THREE PLACE DECIMAL ± .000
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL + .004 – .002; THREE PLACE DECIMAL ± .002
	ANGLE	DIMENSIONED ± 1°; UNDIMENSIONED 90° ± 2°

SCALE	DRAWN	CHKD.	DATE	C. R.
	DLD		10-26-71	SWGR2-C2

TITLE: Index, Legend, Notes

USED ON

RAWSTOCK

SQUARE D COMPANY
BARKELEW PLANT
MIDDLETOWN, OHIO USA

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A B C D E F G

ITEM	DRAWING NO.	FIG. NO.	REF. W 800A600 FIG. NO.	DRAWING TITLE
17	A44025-167-4F		4F	Overcurrent Trip Switch (OTS) 1st Additional N.C. Contact (Manual Reset)
18	A44025-167-4G		4G	Overcurrent Trip Switch (OTS) 2nd Additional N.O. Contact (Electric Reset) 1st Additional N.O. Contact (Manual Reset)
19	A44025-167-4H		4H	Overcurrent Trip Switch (OTS) 2nd Additional N.C. Contact (Electric Reset) 1st Additional N.C. Contact (Manual Reset)
20	A44025-167-4I		4I	Overcurrent Trip Switch (OTS) Electric Reset (Special)
21	A44025-167-5A		5A	High Load Switch (HLS)(No Longer Available)
22	A44025-167-6A		6A	Power Operated Mechanism - Standard - Close Springs Charge After Breaker Opens
23	A44025-167-6B		6B	Power Operated Mechanism - Standard - with Latch Check Switch (LCS)
24	A44025-167-7A		7A	Power Operated Mechanism - Special - Close Springs Charge After Breaker Closes
25	A44025-167-7B		7B	Power Operated Mechanism - Special - Close Springs Charge After Breaker Closes (with Latch Check Switch)
26	A44025-167-8A		8A	2 Pole DS Circuit Breaker Standard Series Overcurrent Trip
27	A44025-167-8B		8B	2 Pole DS Circuit Breaker Series Tripping With Ground (No Neutral Connection)
28	A44025-167-8C		8C	2 Pole DS Circuit Breaker - Series Trip with Ground Current Tripping (With Neutral Connection)
29	A44025-167-8D		8D	2 Pole DS Circuit Breaker Series Trip with Ground - External Ground Current Sensing
30	A44025-167-9A		9A	Auxiliary Switch #1, a1 & b1 Contacts
31	A44025-167-9B		9B	Auxiliary Switch #1, a2 & b2 Contacts

REV.	C. R.	DATE	BY
B	SWGR-3 C134	1-19-87	JWR

PRINTS TO

DO NOT SCALE — WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED

LINEAL DIM.	TWO PLACE DECIMAL ± .030; THREE PLACE DECIMAL ± .005
HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL + .004 − .000; THREE PLACE DECIMAL ± .005
ANGLE	DIMENSIONED ± 1°; UNDIMENSIONED 90° ± 2°

SCALE	DRAWN	CHKD.	DATE	C. R.
	DLD		10-26-7	SWGR2-C2

TITLE: Index, Legend, Notes

USED ON

RAWSTOCK

SQUARE D COMPANY
MIDDLETOWN, OHIO USA

FORM 190

ITEM	DRAWING NO.	FIG. NO.	REF. (W) 800A600 FIG. NO.	DRAWING TITLE
32	A44025-167-9C	9C		Auxiliary Switch #1, a1, b1, a2 & b2 Contacts
33	A44025-167-9D	9D		Auxiliary Switch #1, a2 Contact
34	A44025-167-9E	9E		Auxiliary Switch #1, b2 & b3 Contacts
35	A44025-167-9F	9F		Auxiliary Switch #1, b2 Contact
36	A44025-167-9G	9G		Auxiliary Switch #1, a2 Contact
37	A44025-167-9H	9H		Auxiliary Switch #1, a2 & b2 Contacts
38	A44025-167-9I	9I		Auxiliary Switch #1, b1 Contact
39	A44025-167-9J	9J		Auxiliary Switch #1, a1, a2, b1, & b2 Contacts
40	A44025-167-10A	10A		Auxiliary Switch #2, a1 & b1 Contacts
41	A44025-167-10B	10B		Auxiliary Switch #2, a2 & b2 Contacts
42	A44025-167-10C	10C		Auxiliary Switch #2, a1, a2, b1 & b2 Contacts
43	A44025-167-10D	10D		Auxiliary Switch #2, a1, a2, a3 & a4 Contacts
44	A44025-167-10E	10E		Auxiliary Switch #2, b1, b2, b3 & b4 Contacts
45	A44025-167-10F	10F		Auxiliary Switch #2, a1, a2, a3 & b1 Contacts
46	A44025-167-10G	10G		Auxiliary Switch #2, a1, b1, b2 & b3 Contacts
47	A44025-167-11A	11A		Auxiliary Switch #3, a1 & b1 Contacts
48	A44025-167-11B	11B		Auxiliary Switch #3, a1 & b1 Contacts
49	A44025-167-11C	11C		Auxiliary Switch #3, a1 & b1 Contacts
50	A44025-167-11D	11D		Auxiliary Switch #3, a1 Contact
51	A44025-167-11E	11E		Auxiliary Switch #3, a2 & b2 Contacts
52	A44025-167-11F	11F		Auxiliary Switch #3, a2 & b2 Contacts

REV.	C.R.	DATE	BY
B	SWGR-3 C134	1-19-87	JWR

DO NOT SCALE — WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020; THREE PLACE DECIMAL ± .008
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL + .004 − .002; THREE PLACE DECIMAL ± .002
	ANGLE	DIMENSIONED ± 1°; UNDIMENSIONED 90° ± 2°

SCALE	DRAWN	CHKD.	DATE	C.R.
	DLD		10-24-7	SWGR-C2

TITLE: Index, Legend, Notes

USED ON

RAWSTOCK

SQUARE D COMPANY
BARKELEW PLANT
MIDDLETOWN, OHIO USA

PRINTS TO

A44025-167-01 Pg. 3 of 7

FORM 190

ITEM	DRAWING NO.	FIG. NO.	REF. (W) 800A600 FIG. NO.	DRAWING TITLE
3	A44025-167-11G		11G	Auxiliary Switch #3, a2 & b2 Contacts
54	A44025-167-11H		11H	Auxiliary Switch #3, a2 Contact
55	A44025-167-11I		11I	Auxiliary Switch #3, a2 Contact
56	A44025-167-11J		11J	Auxiliary Switch #3, a1 & b1 Contact
57	A44025-167-11K		11K	Auxiliary Switch #3, b1 Contact
58	A44025-167-12A		12A	Auxiliary C.T. for Amptector Ground Element - 3 Phase, 3 Wire
59	A44025-167-12B		12B	Auxiliary C.T. for Amptector Ground Element - 3 Phase, 4 Wire
60	A44025-167-12C		12C	Auxiliary C.T. for Amptector Ground Element - External Ground Current
61	A44025-167-13A		13A	Spring Charging or Spring Charged Indication
62	A44025-167-13B		13B	Blown Limiter Indicator, 3 Pole
63	A44025-167-13C		13C	Blown Limiter Indicator, 2 Pole
64	A44025-167-13D		13D	Latch Check Switch -N.C. Contact
65	A44025-167-13E		13E	DSL-632 and DSL-840 Limiter Truck and Breaker Wiring
66	A44025-167-13F		13F	Latch Check Switch -N.O. Contact
67	A44025-167-14A		14A	Series Trip Amptector IIA - 3 Pole
68	A44025-167-14B		14B	Series Trip Amptector IIA - 2 Pole
69	A44025-167-15A		15A	Power Operated Mechanism - Without Shunt Trip
70	A44025-167-2C-15E		15E	Series Trip with Special Ground Wiring for use on Multiple Ground Double Ended Substations (PBD 40044p.4)
71	A44025-167-17A		17A	Series Trip with Special Ground Wiring for use on Multiple Ground Double Ended Substaions (PBD40044, pp 3, 6, 7)

REV.	C.R.	DATE	BY
B	SWGR-3 C134	1-19-87	JWR

DO NOT SCALE — WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .030; THREE PLACE DECIMAL ± .009
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL + .004 — .002; THREE PLACE DECIMAL ± .002
	ANGLE	DIMENSIONED ± 1°; UNDIMENSIONED 90° ± 2°

SCALE	DRAWN	CHKD.	DATE	C.R.
	DLD		10-26-71	SWGR-2-C2

TITLE: Index, Legend, Notes

USED ON

RAWSTOCK

PRINTS TO

SEN

SQUARE D COMPANY
BARKELEW PLANT
MIDDLETOWN, OHIO USA

A44025-167-01 Pg. 4 of 7

A B C D E F G

LEGEND

Solid State Control, Amptector---------- AMPT
Solid State Breaker Trip Actuator---------- ACTR
High Load Switch---------- HLS
Latch Check Switch---------- LCS
Lockout---------- LO
Limit Switch for Closing Springs---------- LS
Motor for Spring Charging---------- MOT
Over Current Trip Switch---------- OTS
Pushbutton---------- PB
Sensor---------- SEN
Shunt Trip---------- SH TR
Spring Release---------- SR
Under Voltage---------- UV
Anti-Pump Relay---------- Y
Control Switch - Close---------- CS/C
Control Switch - Trip---------- CS/T



Denotes disconnect on schematic diagram for a drawout circuit breaker. If breaker is rigid mounted this will be a terminal block.



Coil



"a" contact is open when circuit breaker is open when circuit breaker is open and closed when circuit breaker is closed.



"b" contact is closed when circuit breaker is closed when circuit breaker is open and open when circuit breaker is closed.



Green pilot light indicating breaker open.



Red pilot light indicating breaker closed.



Sensor Polarization Markings

REV.	C. R.	DATE	BY
B	SWGR-C134	1-19-87	JWR

DO NOT SCALE — WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED

LINEAL DIM. — TWO PLACE DECIMAL ± .030; THREE PLACE DECIMAL ± .005

HOLE DIA. — FRACTIONAL, LETTER, OR NUMBERED DRILL + .004; THREE PLACE DECIMAL ± .005 − .002

ANGLE — DIMENSIONED ± 1°; UNDIMENSIONED 90° ± 2°

SCALE	DRAWN	CHKD.	DATE	SWGR-2
	DLD		10-26-71	-C2

TITLE: Index, Legend, Notes

USED ON

RAWSTOCK

SQUARE D COMPANY
BARKELEW PLANT
MIDDLETOWN, OHIO USA

A-44025-167-01

PRINTS TO

A B C D E F G

Operation of power operating mechanism for standard DS circuit breaker. Refer to drawing A44025-167-6A)

1. When breaker opens motor is energized through contacts LS and a "b" contact.

2. Motor runs and charges closing springs.

3. When closing springs are fully charged contacts LS reverse.

4. Closing contact CS-C energizes coil SR through contacts Y, LS and "b".

5. When breaker closes "b" contact opens and coil Y is energized in series with coil SR.

6. Contact Y opens to open the SR coil circuit and prevent pumping should the breaker open while contact CS-C is held closed. Coil Y has a very low dropout voltage.

SPECIAL FOR DRAWING A44025-167-7A

Same as for standard operation as outlined above except motor running depends on contact LS only.

Note: A numeral will be added to the "Fig. No." on the breaker nameplate to indicate coil voltage per the following code:

1 - 24V. DC	5 - 115V. AC
2 - 48V. DC	6 - 208/230V. AC
3 - 125V. DC	7 - 460V. AC
4 - 250V. DC	

REV.	C. R.	DATE	BY
A	SWGR-3 C160	6-30-82	GH
B	SWGR-3 C134	1-19-87	JWR

PRINTS TO

DO NOT SCALE — WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED

LINEAL DIM. — TWO PLACE DECIMAL ± .030; THREE PLACE DECIMAL ± .005

HOLE DIA. — FRACTIONAL, LETTER, OR NUMBERED DRILL + .004 − .000; THREE PLACE DECIMAL ± .005

ANGLE — DIMENSIONED ± 1°; UNDIMENSIONED 90° ± 2°

SCALE	DRAWN	CHKD.	DATE	SWGR:-2
	DLD		10-26-71	-C2

TITLE: INDEX, LEGEND, NOTES

USED ON

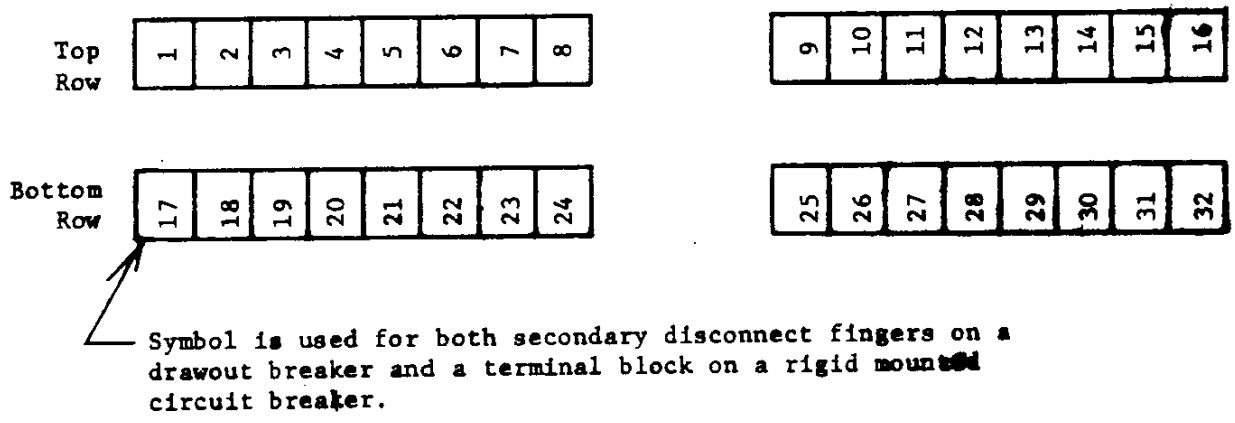
RAWSTOCK

SQUARE D COMPANY
BARKELEW PLANT
MIDDLETOWN, OHIO USA

A-44025-167-01

A B C D E F G

Secondary disconnect contact arrangement, as viewed from the front of the breaker.



Symbol is used for both secondary disconnect fingers on a drawout breaker and a terminal block on a rigid mounted circuit breaker.

REV.	C. R.	DATE	BY
A	SWGR-2 C260	6-30-8[illegible]	[illegible]
B	SWGR-2 C134	1-19-8[illegible]	[illegible]

PRINTS TO

DO NOT SCALE — WORK TO DIMENSIONS

STANDARD TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAL DIM. — TWO PLACE DECIMAL ± .030; THREE PLACE DECIMAL ± .010

HOLE DIA. — FRACTIONAL, LETTER, OR NUMBERED DRILL + .004; THREE PLACE DECIMAL ± .005 − .000

ANGLE — ± 1°

SCALE	DRAWN	CHKD.	DATE	C. R.
	DLD		10-26-71	SWGR-2 C2

TITLE: Index, Legend, Notes

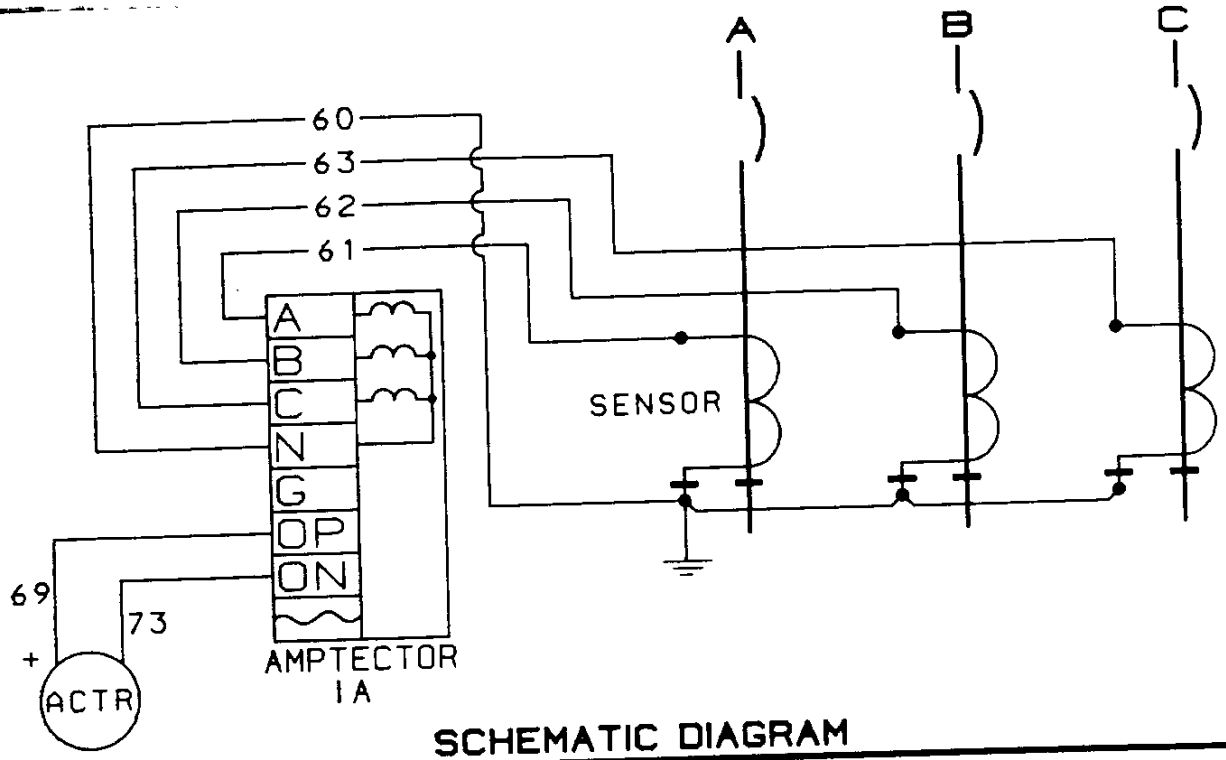
USED ON

RAWSTOCK

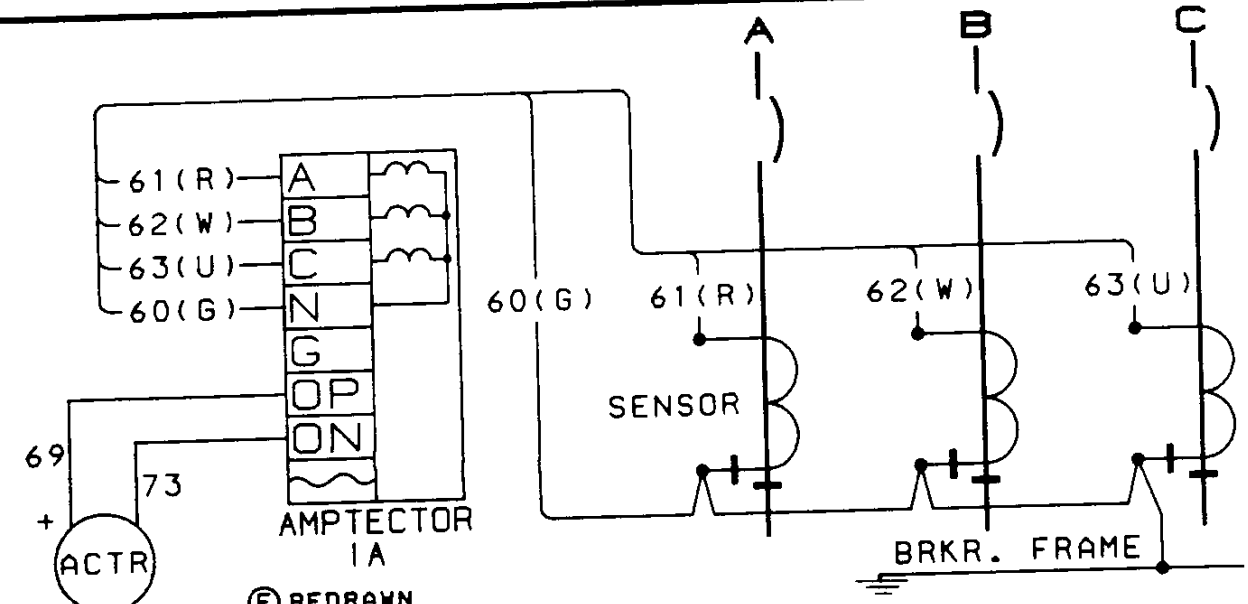
SQUARE D COMPANY
BARKELEW PLANT
MIDDLETOWN, OHIO USA

A-44025-167-01

A B C D E F G



SCHEMATIC DIAGRAM



REF:
800A600-2A

Ⓔ REDRAWN

WIRING DIAGRAM - FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL
CHANGES TO THIS DOCUMENT MUST BE MADE VIA ITS STORED DATA BASE

REV.	C.R.	DATE	BY
E	SV8R-3-C134	02/21/85	BSM

PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

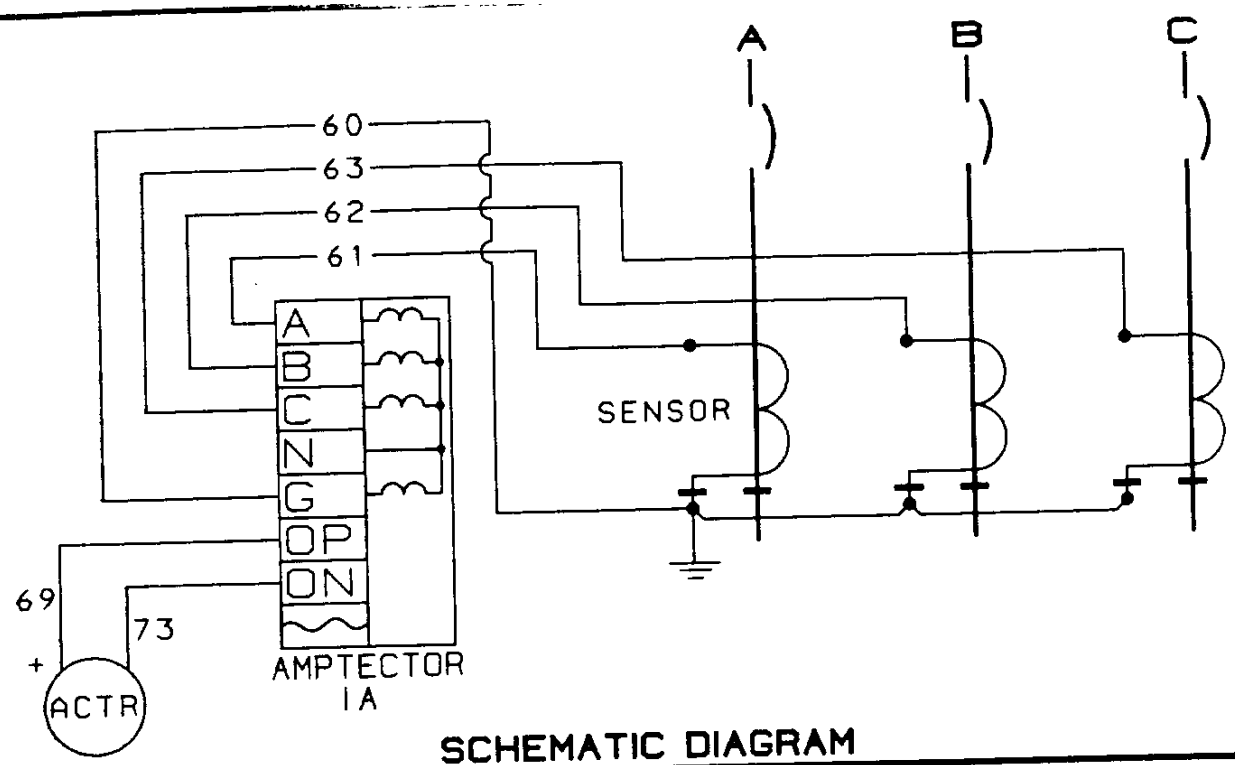
SCALE	DRAWN	CHKD.	DATE	C.R.
N.T.S.	DLD		10-21-71	SV8R-2-C2

TITLE
DS CIRCUIT BREAKER STANDARD SERIES OVERCURRENT TRIP (NO GROUND)

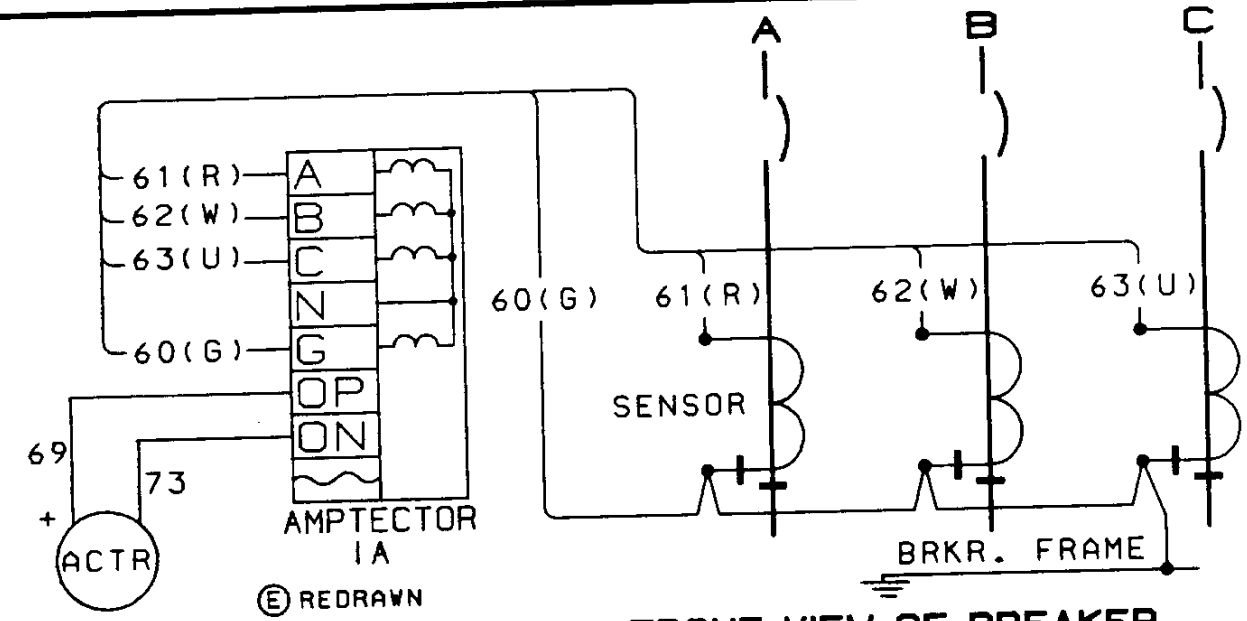
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 69

FIG. NO.
A44025-167-2A

CADD/BSM 02-85



SCHEMATIC DIAMOND



REF:
800A600-2B

Ⓔ REDRAWN

WIRING DIAGRAM – FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL
CHANGES TO THIS DOCUMENT MUST BE MADE VIA ITS STORED DATA BASE

REV.	C.R.	DATE	BY
E	SVBR-3-C134	02/24/85	BSM

PRINTS TO

DO NOT SCALE – WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE N.T.S.	DRAWN DLD	CHKD.	DATE 10-26-71	C.R. SVBR-2-C2

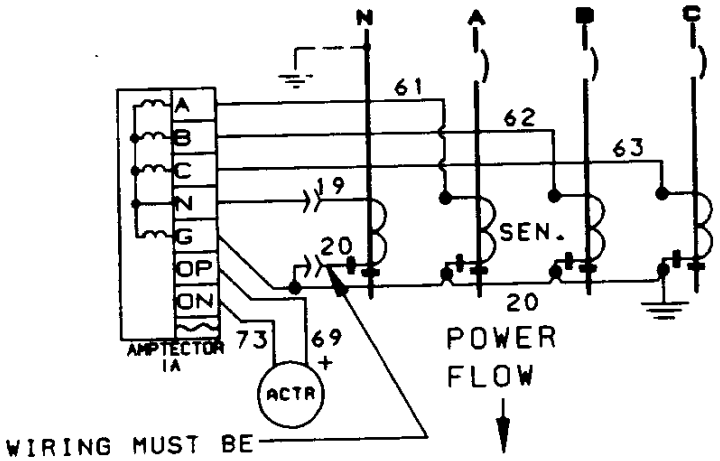
TITLE
DS CIRCUIT BREAKER – SERIES TRIPPING WITH GROUND (NO NEUTRAL CONNECTION)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-2B

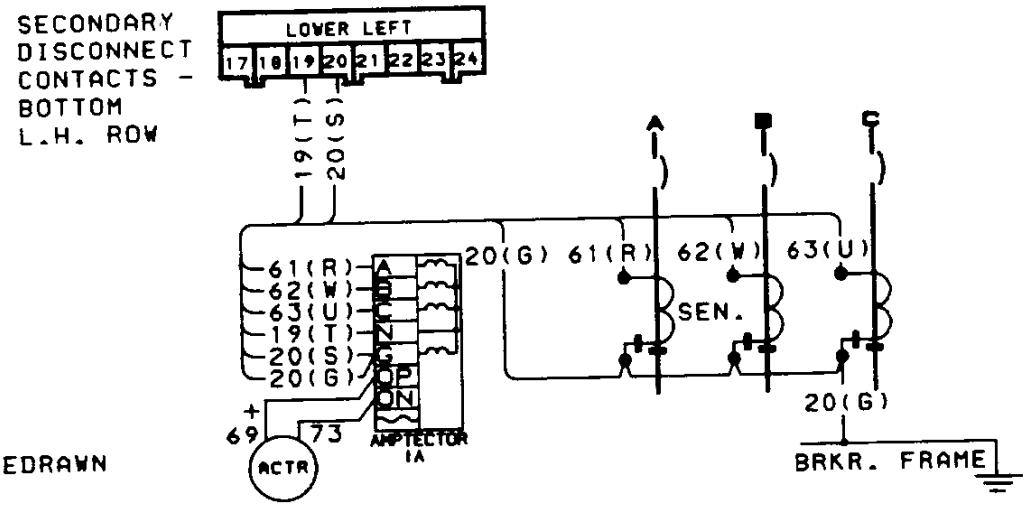
CADD/BSM/1-23-85

NOTE:
USED WITH FEEDER BREAKERS OR MAINS WITH THE SENSOR MOUNTED ON THE NEUTRAL, DOWNSTREAM, FROM THE POINT ON THE NEUTRAL WHERE THE BOND TO GROUND IS CONNECTED. PHASING OF 19 AND 20 TO THE SENSOR POLARITY (AS SHOWN) IS IMPORTANT.



WIRING MUST BE TYPE SIS (U.L. LISTED)

SCHEMATIC DIAGRAM



Ⓖ REDRAWN

REF.
800A600-2C

WIRING DIAGRAM - FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL
CHANGES TO THIS DOCUMENT MUST BE MADE VIA ITS STORED DATA BASE

REV.	C.R.	DATE	BY
G	SV8R-3-C134	02/21/85	BSM

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
N.T.S.	DLD		10-26-71	SV8R-2-C2

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

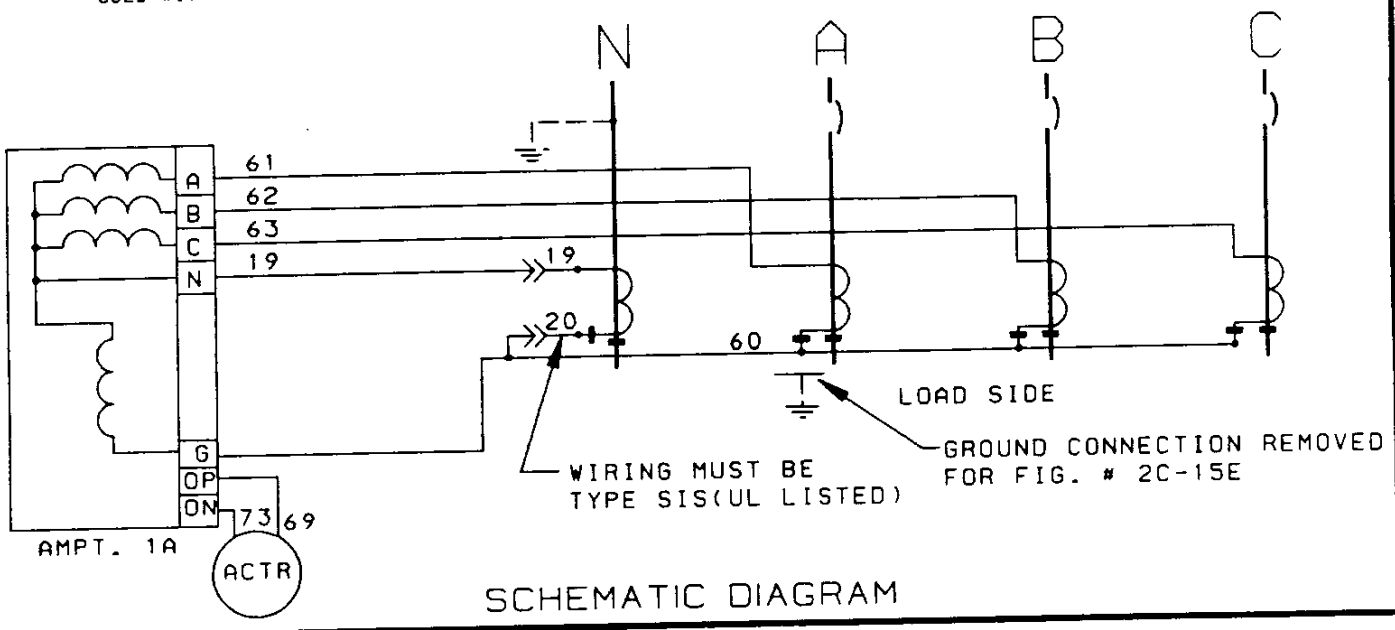
TITLE
DS CIRCUIT BREAKER - SERIES TRIP WITH GROUND CURRENT TRIPPING.
(WITH NEUTRAL CONNECTION)

FIG. NO.
A44025-167-2C

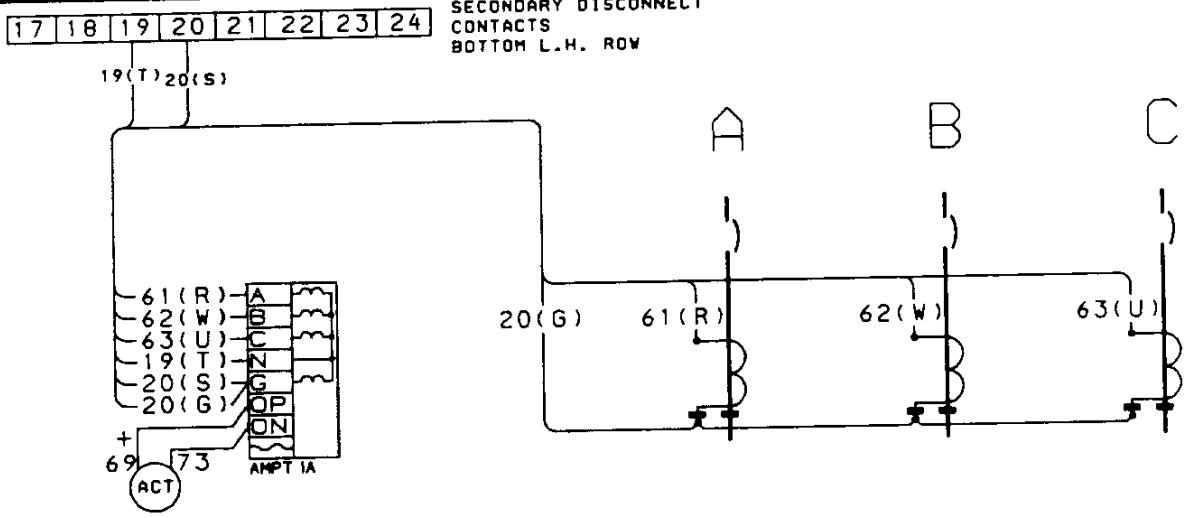
PRINTS TO

CADD/BSM 02/21/85

DS CIRCUIT BREAKER - SERIES TRIP WITH GROUND CURRENT TRIPPING (WITH NEUTRAL CONNECTION).
NOTE: USED WITH FEEDER BREAKERS OR MAINS WITH THE SENSOR MOUNTED ON THE NEUTRAL, DOWNSTREAM FROM THE POINT ON THE NEUTRAL WHERE THE BOND TO GROUND IS CONNECTED. PHASING OF #19 & #20 TO SENSOR POLARITY (AS SHOWN) IS IMPORTANT. USED WITH PBD 40044 PAGE 4.



SCHEMATIC DIAGRAM



(B) REDRAWN

REF.
800A600-2F

WIRING DIAGRAM - FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL
CHANGES TO THIS DOCUMENT MUST BE MADE VIA ITS STORED DATA BASE

REV.	C.R.	DATE	BY
B	SVGR-3-C134	1-15-87	RLR

CARDS: PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	BH		4-18-80	SVGR-6-C12

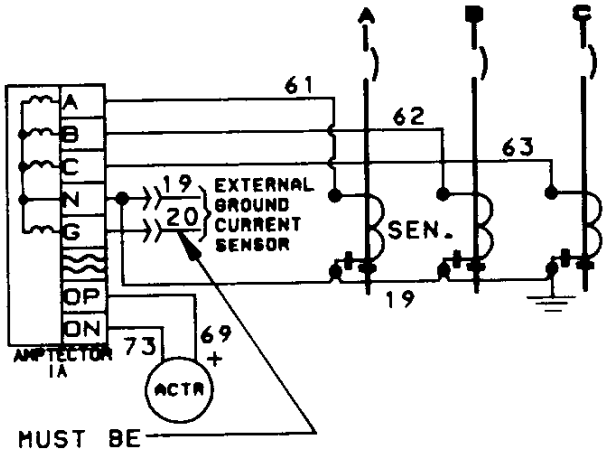
TITLE
DS CIRCUIT BREAKER SERIES TRIP WITH SPECIAL GROUND WIRING FOR USE ON MULTIPLE GROUND DOUBLE ENDED SUBSTATIONS

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-2C-15E

CADD/BSH 02/

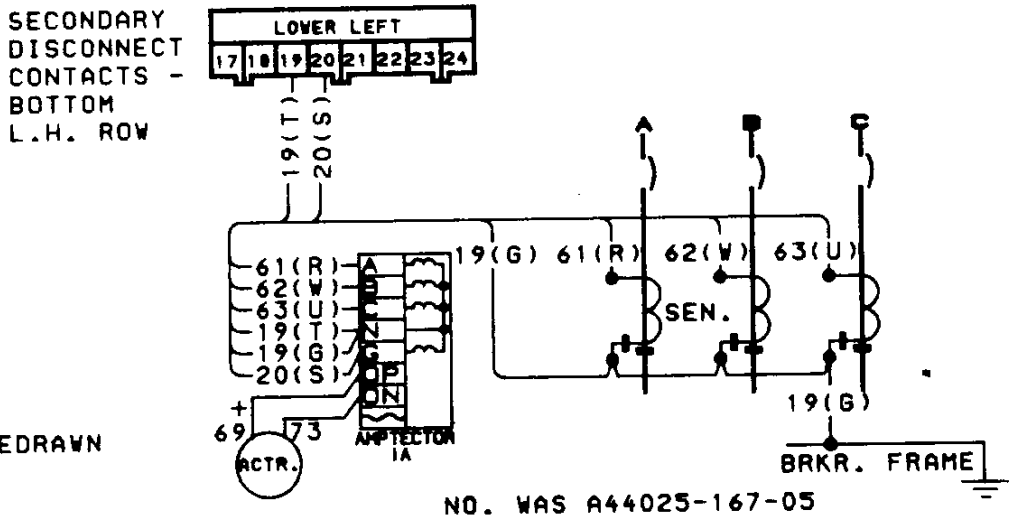
NOTE:
USED WITH MAIN AND TIE BREAKERS ONLY. SENSOR IS LOCATED IN BONDING BUS BETWEEN NEUTRAL AND GROUND OR ON THE NEUTRAL AT THE POINT AT WHICH THE BOND IS CONNECTED TO THE NEUTRAL ON DOUBLE ENDED SUBSTATIONS. PHASING OF 19 AND 20 TO THE SENSOR POLARITY IS UNIMPORTANT.



WIRING MUST BE TYPE SIS (U.L. LISTED)

SCHEMATIC DIAGRAM

SECONDARY DISCONNECT CONTACTS - BOTTOM L.H. ROW



Ⓕ REDRAWN

NO. WAS A44025-167-05

REF. 800A600-2D

WIRING DIAGRAM - FRONT VIEW OF BREAKER

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F	SVGR-3-C134	07/24/85	CHP

PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

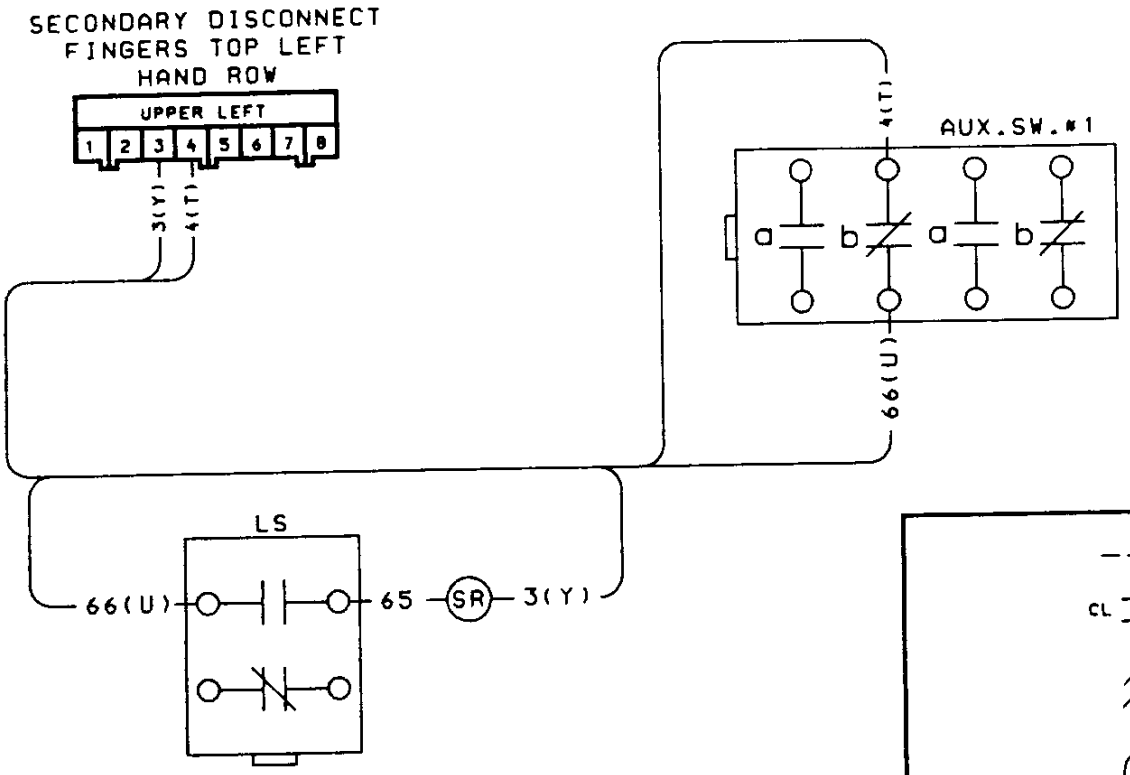
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 THREE PLACE DECIMAL ±.002 -.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
N.T.S.	DLD		10-26-71	SVGR-2-C2

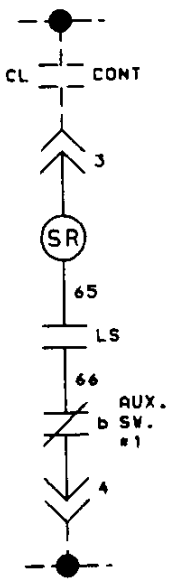
TITLE
DS CIRCUIT BREAKER - SERIES TRIP WITH GROUND - EXTERNAL GROUND CURRENT SENSING

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-2D



WIRING DIAGRAM
FRONT VIEW OF BREAKER



SCHEMATIC
DIAGRAM

SR - SPRING RELEASE. CLOSES
BREAKER WHEN ENERGIZED.

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REF. 800A600-3A

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B	SVBR-3-C13A	07/26/85	CHP

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

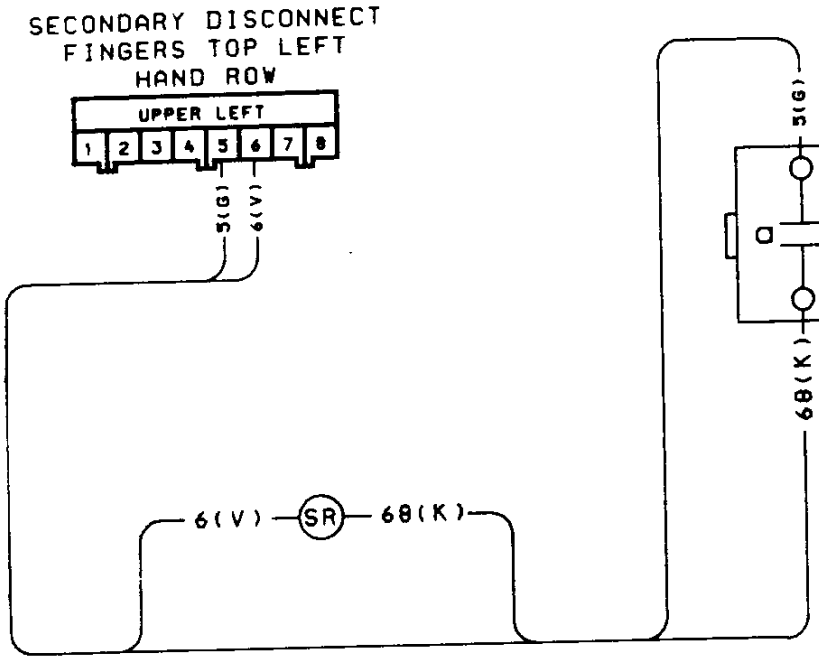
SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	A.A.		8-9-76	SVBR-2-C2

TITLE
DS CIRCUIT BREAKER
ELECTRIC SPRING RELEASE
FOR MANUAL OPERATED
BREAKER.

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-3A

CADD/CHUCKD 3-26-85



WIRING DIAGRAM
FRONT VIEW OF BREAKER



SCHEMATIC DIAGRAM

SH TR - SHUNT TRIP. TRIPS BREAKER WHEN ENERGIZED.

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REF. 800A600-3B

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

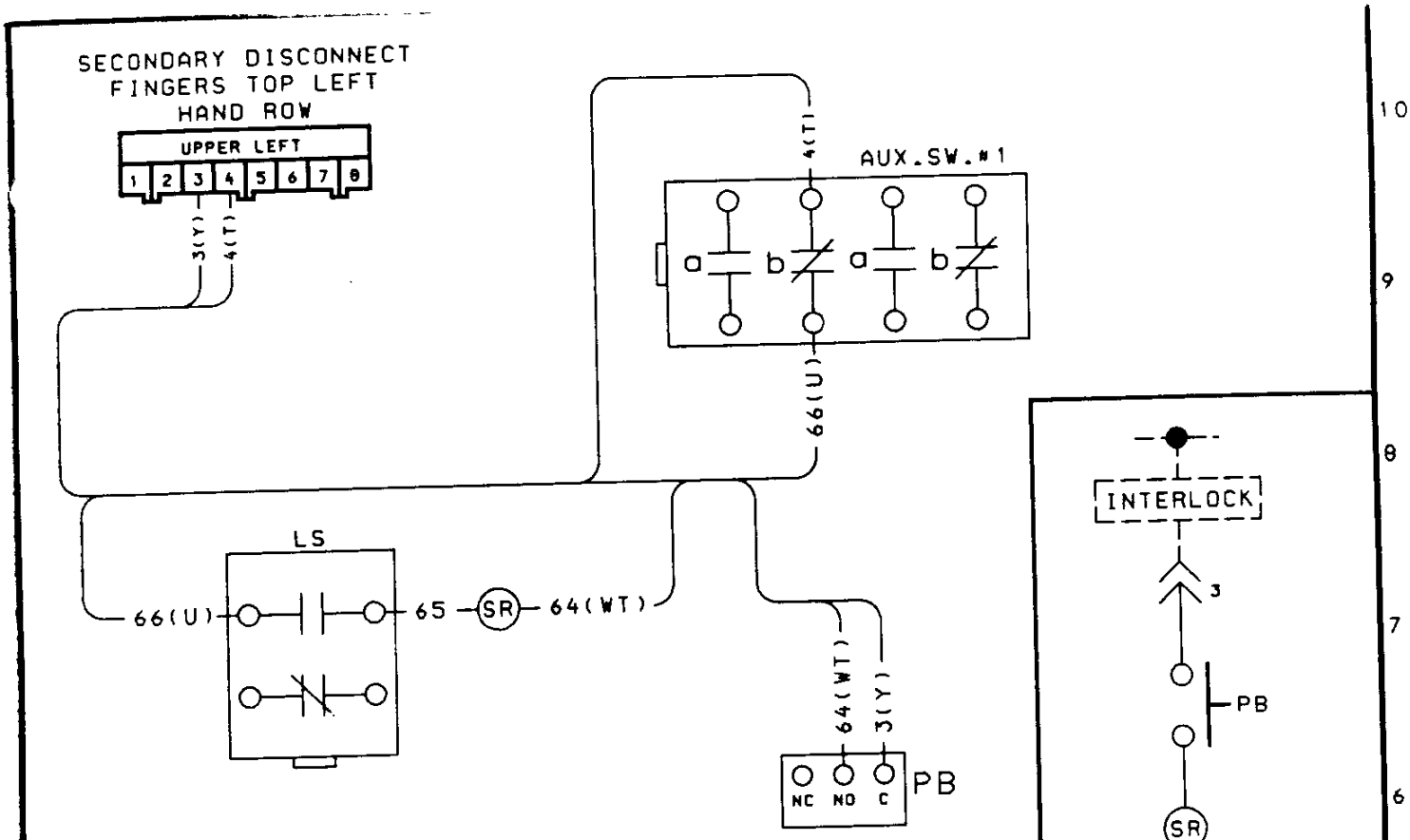
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	A.A.		8-9-76	SV8R-2-C2

TITLE
DS CIRCUIT BREAKER
SHUNT TRIP FOR
MANUAL OPERATED
BREAKER

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-3B



WIRING DIAGRAM
FRONT VIEW OF BREAKER

SCHEMATIC
DIAGRAM

SR - SPRING RELEASE. CLOSES
BREAKER WHEN ENERGIZED.

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REF. 800A600-3C

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	A.A.		08-09-76	SVGR-2-C2

TITLE
DS CIRCUIT BREAKER
ELECTRIC LOCKOUT
FOR MANUAL OPERATED
BREAKER

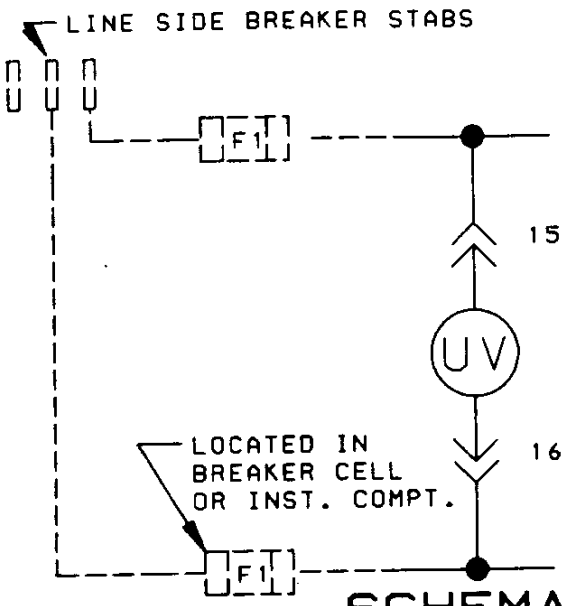
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 69

FIG. NO.
A44025-167-3C

PRINTS TO

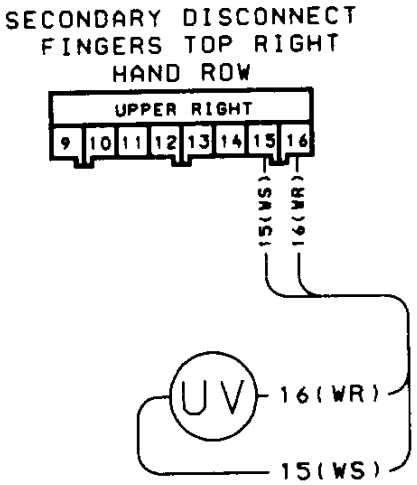
	B	SHY	DEC	SEN

CADD/CHUCKD 4-85



F1-KTK-1 AMP

SCHEMATIC DIAGRAM



WIRING DIAGRAM
FRONT VIEW OF BREAKER

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10-26-71	SVGR-2-C2

TITLE
DS CIRCUIT BREAKER
UNDERVOLTAGE TRIP

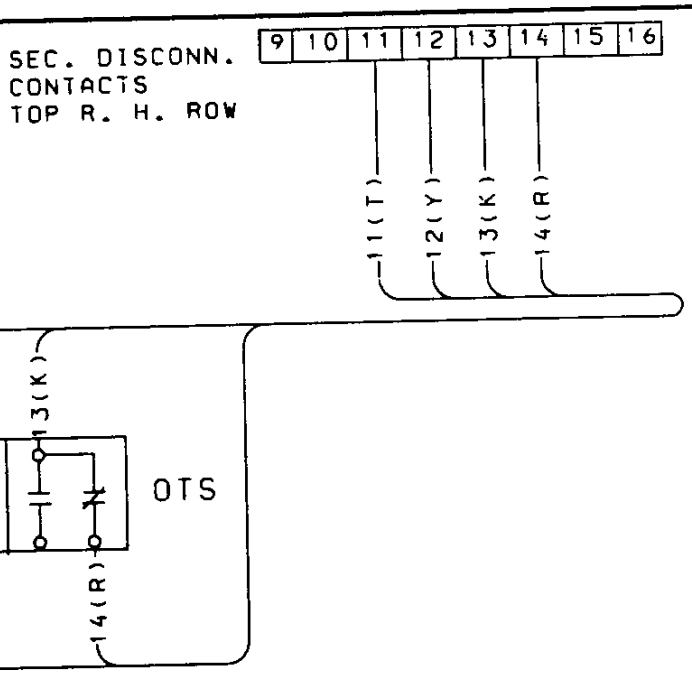
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POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-3D

CADD/POF/8-



SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

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C	SVOR-3-C134	08/137/85	POF

PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

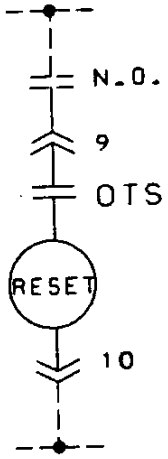
SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10/26/71	SVOR-2-C2

TITLE
DS CIRCUIT BREAKER
OVERCURRENT TRIP SWITCH (OTS)
1-N.O. & 1-N.C. CONTACT

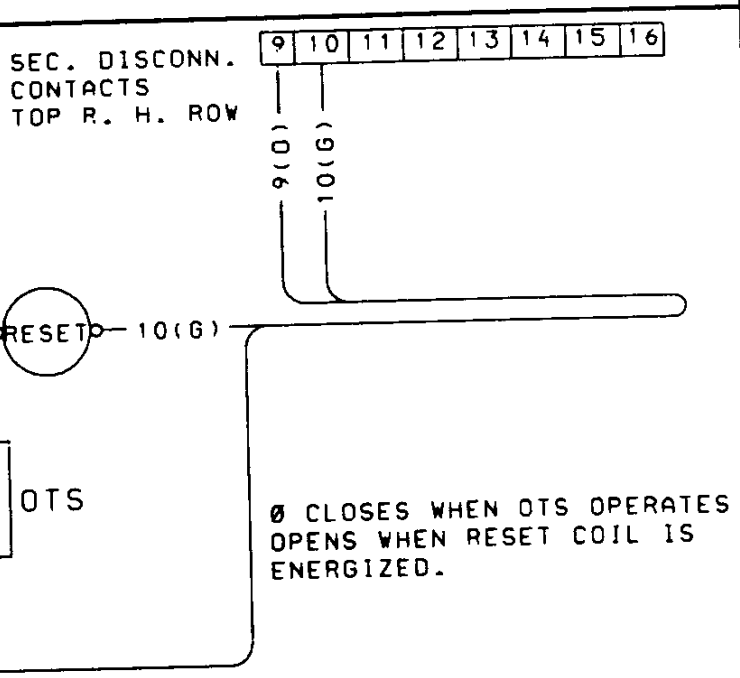
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POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-4A

CADD/POF/8-13-85



SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-4B

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C	S60R-3-C134	08/14/85	POF

PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10-26-71	S60R-2-C2

TITLE
DS CIRCUIT BREAKER
OVERCURRENT TRIP SWITCH
(OTS)
ELECTRIC RESET

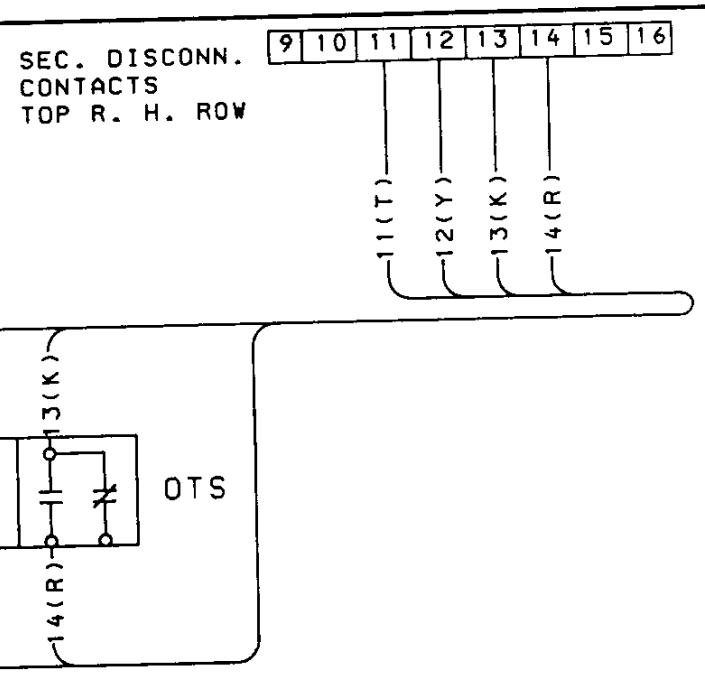
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FIG. NO.
A44025-167-4B

CADD/POF/8



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-4C

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10-26-71	SVGR-2-C2

TITLE

DS CIRCUIT BREAKER
OVERCURRENT TRIP SWITCH (OTS)
2-N.O. CONTACTS

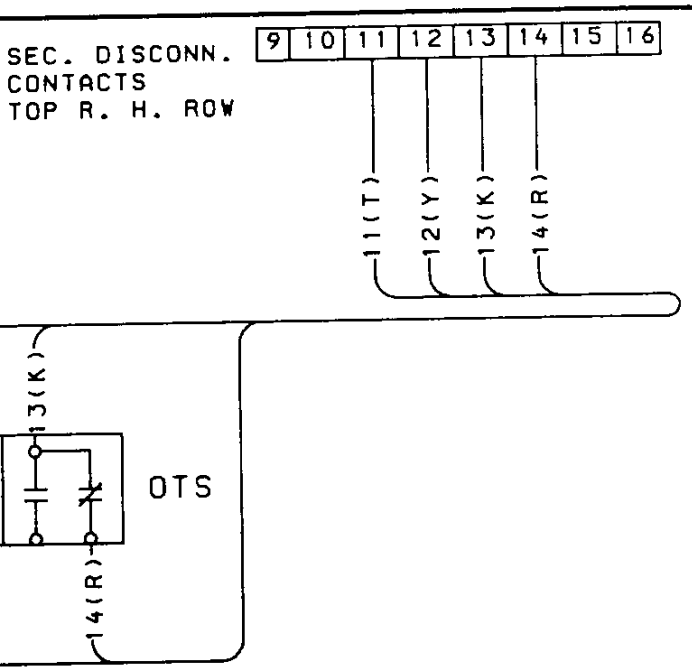
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-4C

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SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-4D

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10/26/71	SVBR-2-C2

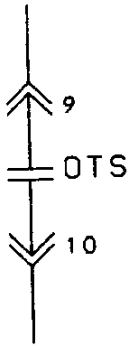
TITLE

DS CIRCUIT BREAKER
OVERCURRENT TRIP SWITCH (OTS)
2-N.C. CONTACTS

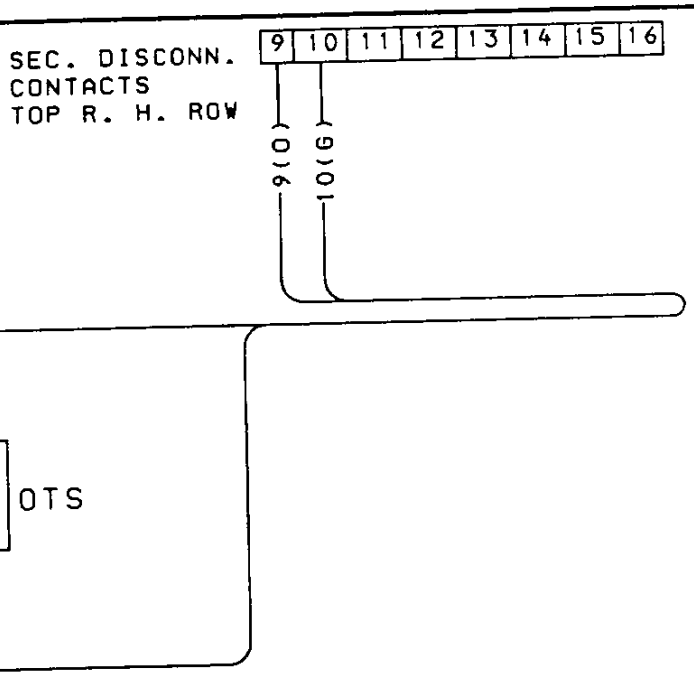
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POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-4D

CADD/POF/8-14-85



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WIRING DIAGRAM
FRONT VIEW OF BREAKER REF. 800A600-4E

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B	SVBR-3-C134	08/14/85	POF

PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

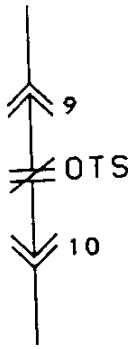
SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10-26-71	SVBR-2-C2

TITLE
DS CIRCUIT BREAKER
OVERCURRENT TRIP SWITCH
(OTS)
1ST ADDL. N.O. CONTACT
(MANUAL RESET)

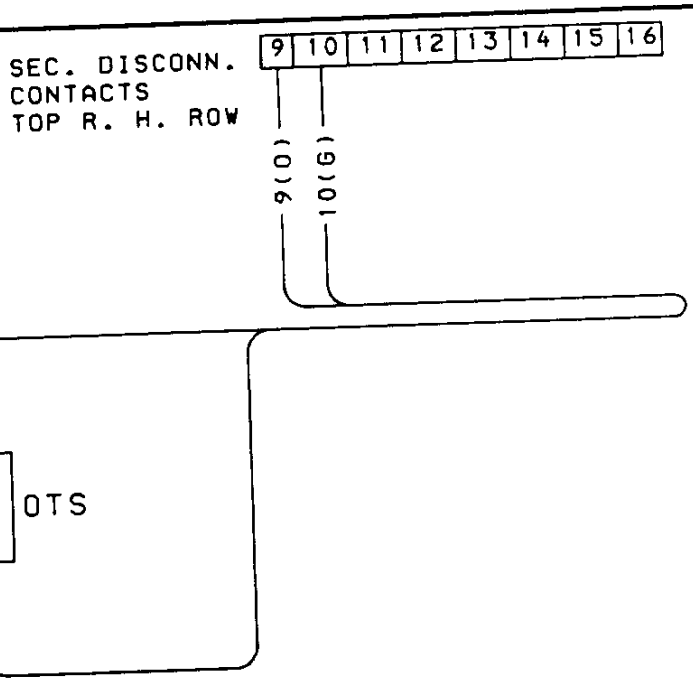
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-4E

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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-4F

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

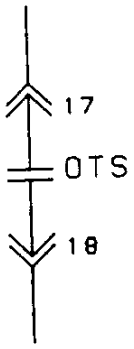
SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SVBR-2-C2

TITLE
DS CIRCUIT BREAKER
OVERCURRENT TRIP SWITCH
(OTS)
1ST ADDL. N.C. CONTACT
(MANUAL RESET)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

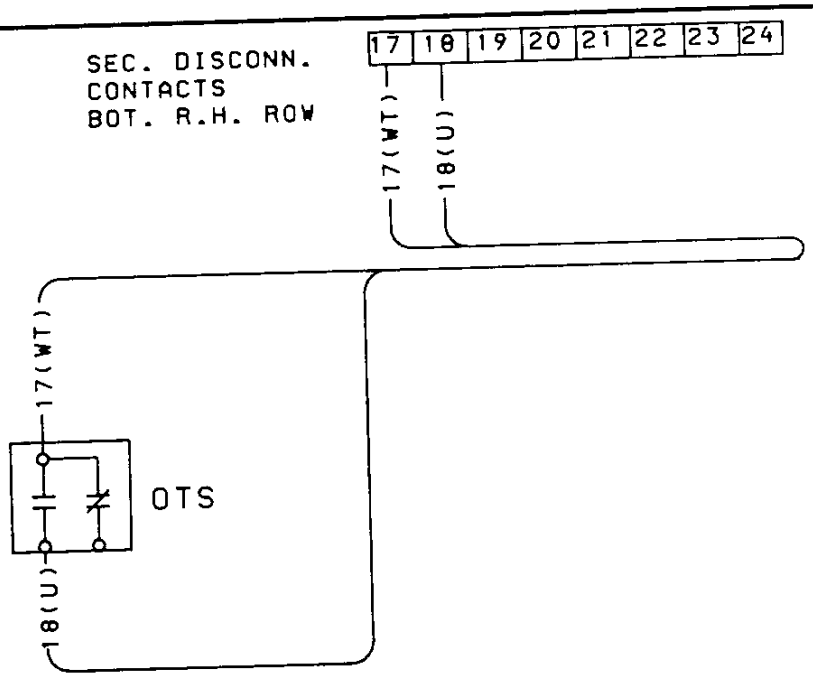
FIG. NO.
A44025-167-4F

CADD/PDF/8-1



CAN BE USED WITH EITHER MANUAL OR ELECTRIC RESET.
1st ADDITIONAL N.O. CONTACT FOR ELEC. RESET.
2nd ADDITIONAL N.O. CONTACT FOR MANUAL RESET.

SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER REF. 800A600-4G

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERVISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

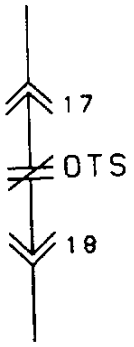
SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10/26/71	SW6R-2-C2

TITLE OS CIRCUIT BREAKER OVERCURRENT TRIP SWITCH (OTS) 2ND ADDL. N.O. CONTACT (MANUAL RESET) 1st ADDL. N.O. CONTACT (ELECTRIC RESET)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-4G

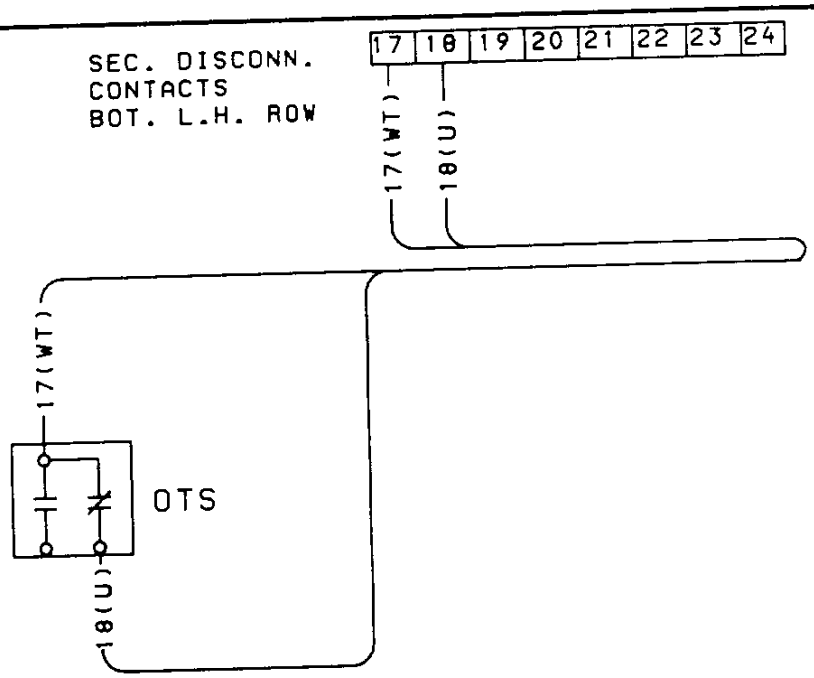
CADD/POF/8-1-85



CAN BE USED WITH EITHER
MANUAL OR ELECTRIC RESET.
1st ADDITIONAL N.C. CONTACT
FOR ELEC. RESET.
2nd ADDITIONAL N.C. CONTACT
FOR MANUAL RESET.

SCHEMATIC DIAGRAM

SEC. DISCONN.
CONTACTS
BOT. L.H. ROW



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WIRING DIAGRAM
FRONT VIEW OF BREAKER REF. 800A600-4H

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D	SV6R-3-C134	08/15/85	POF

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10/26/71	SV6R -2-C2

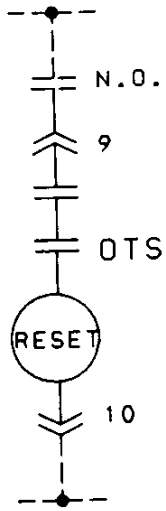
TITLE DS CIRCUIT BREAKER
OVERCURRENT TRIP SWITCH (OTS)
2ND ADDL. N.C. CONTACT
(MANUAL RESET)
1st ADDL N.C. CONTACT
(ELECTRIC RESET)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION

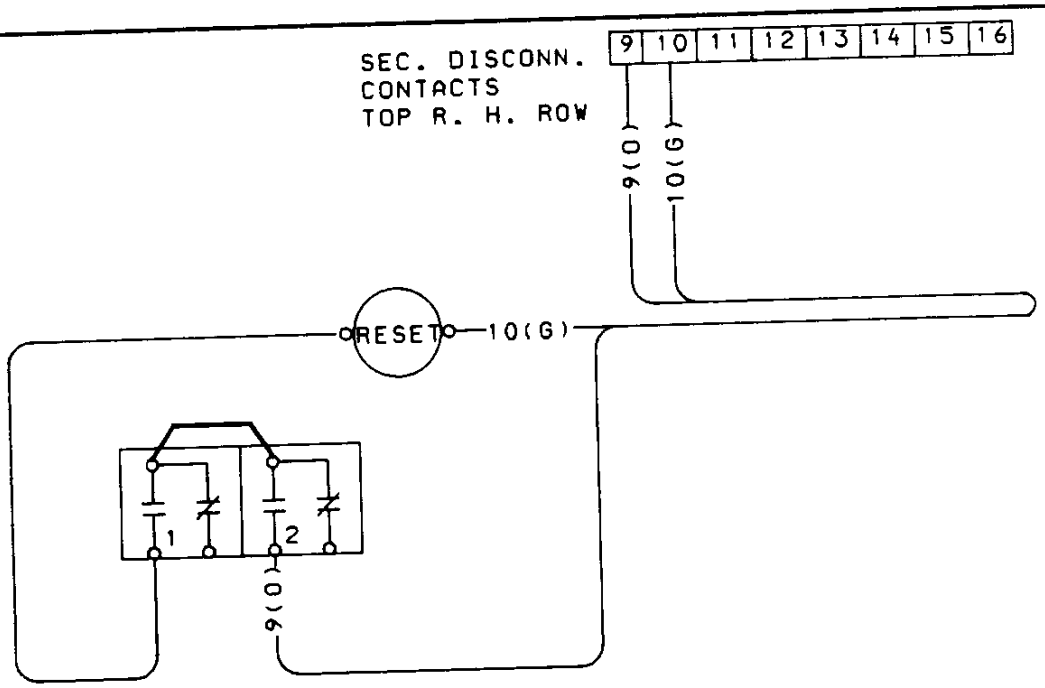
FIG. NO.
A44025-167-4H

PRINTS TO

CADD/POF/8-12



SCHEMATIC DIAGRAM



WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-41

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C	SVGR-3-C134	08/19/85	CHP

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 −.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	RDS		1/6/75	SVGR-3-C45

TITLE

OVERCURRENT TRIP SWITCH
(OTS) ELEC. RESET
(SPECIAL)

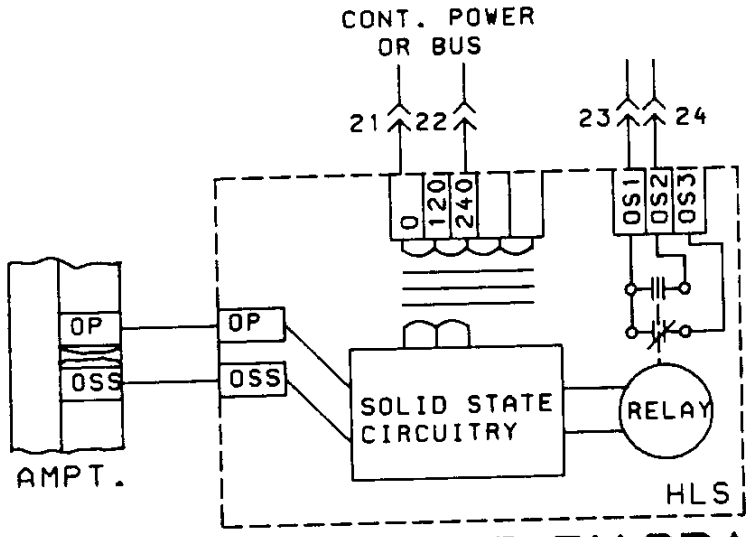
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 69

FIG. NO.

A44025-167-41

PRINTS TO

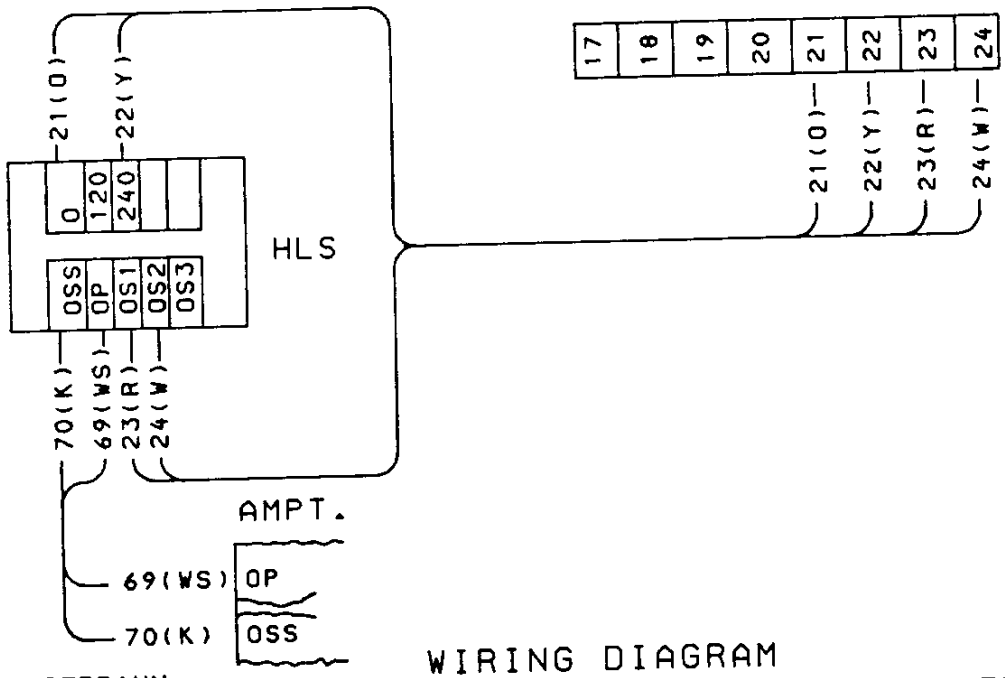
CADD/CHP/8-1



NOTES:
1. AVAILABLE WITH AMPTECTOR IA ONLY
2. 240V CONNECTION SHOWN 120V ALSO AVAILABLE.
3. DEVICE IS SELF RESETTING.

DEVICE HAS A FIXED 60 SECOND TIME DELAY; SETTING ADJUSTABLE FROM 60-100% OF LONG DELAY PICKUP.

SCHEMATIC DIAGRAM



WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-5A

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C	SVGR-3-C134	08/15/85	POF

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10/26/71	SVGR -2-C2

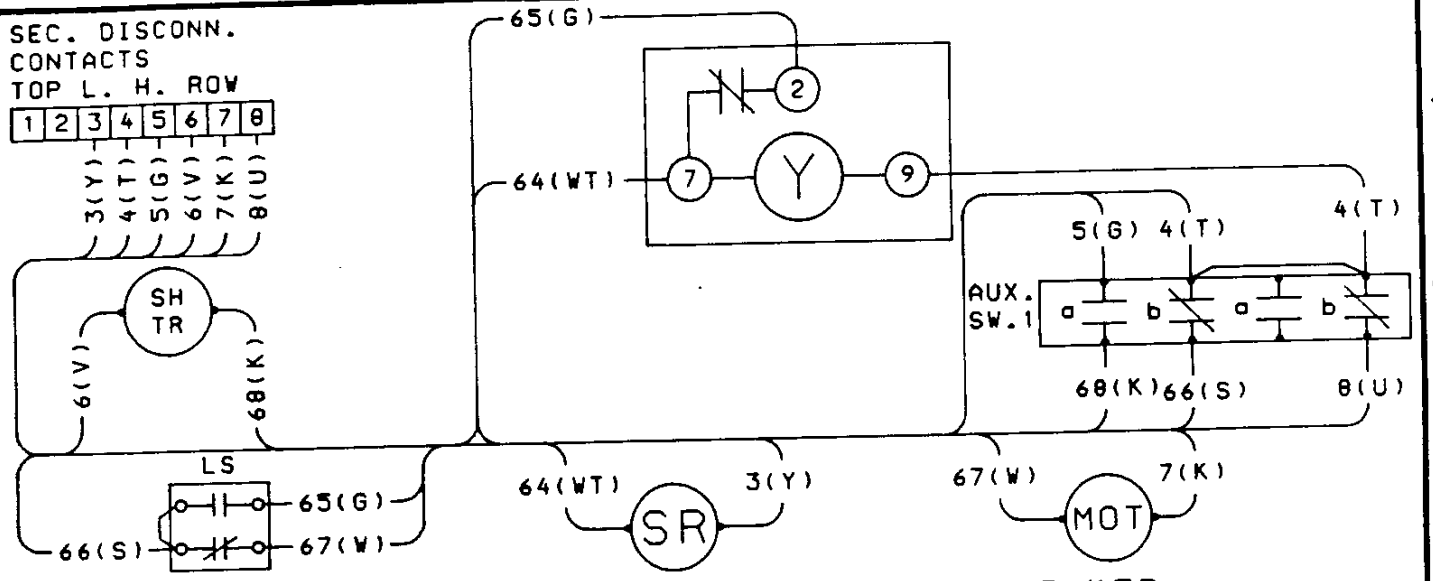
TITLE
DS CIRCUIT BREAKER
HIGH LOAD SWITCH (HLS)
(NO LONGER AVAILABLE)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

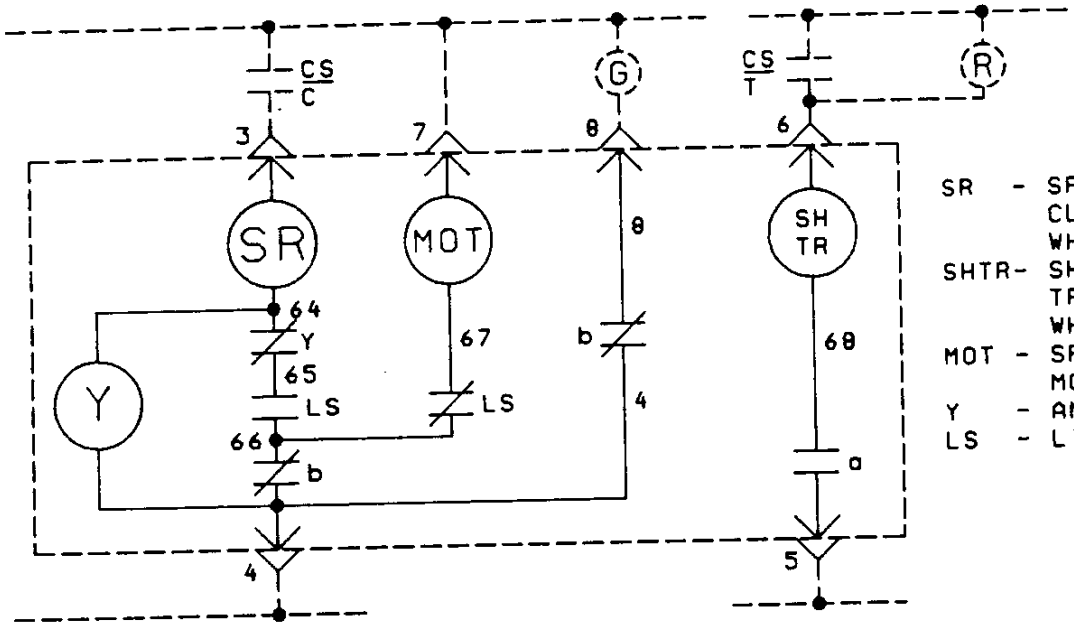
FIG. NO.
A44025-167-5A

PRINTS TO

CADD/POF/8-1



WIRING DIAGRAM FRONT VIEW OF BREAKER



SR - SPRING RELEASE CLOSES BREAKER WHEN ENERGIZED.
SHTR- SHUNT TRIP. TRIPS BREAKER WHEN ENERGIZED.
MOT - SPRING CHARGING MOTOR.
Y - ANTI-PUMP RELAY
LS - LIMIT SWITCH.

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SCHEMATIC DIAGRAM

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

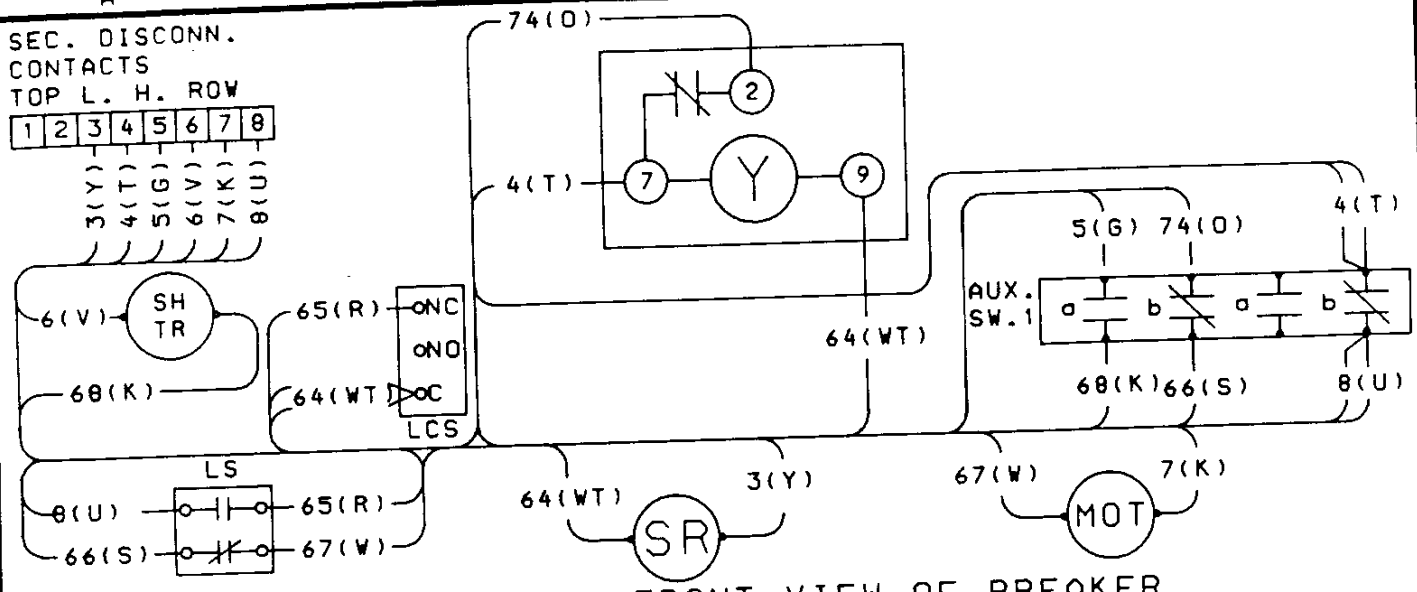
SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10/26/71	SVGR-2-C2

TITLE
DS CIRCUIT BREAKER
POWER OPERATED MECHANISM
-STANDARD- CLOSE SPRINGS
CHARGE AFTER BREAKER OPENS

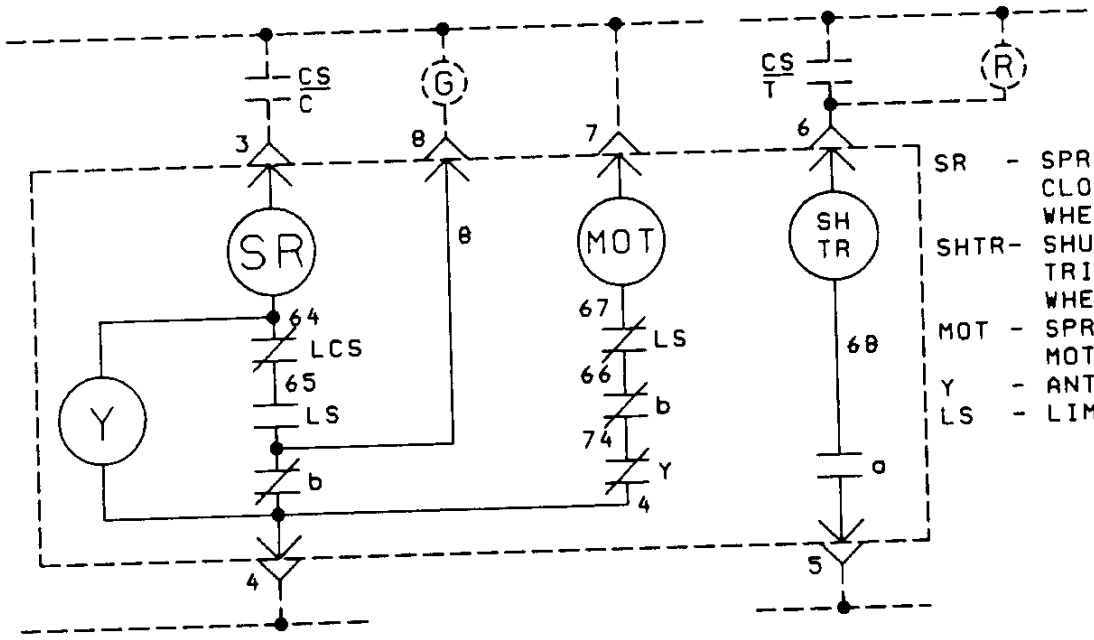
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-6A

CADD/CHUCKO/4 - 85



WIRING DIAGRAM FRONT VIEW OF BREAKER



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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

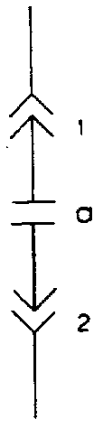
SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10/26/71	SVBR-2-C2

TITLE
DS CIRCUIT BREAKER
POWER OPERATED MECHANISM
-STANDARD- WITH LATCH
CHECK SWITCH (LCS)

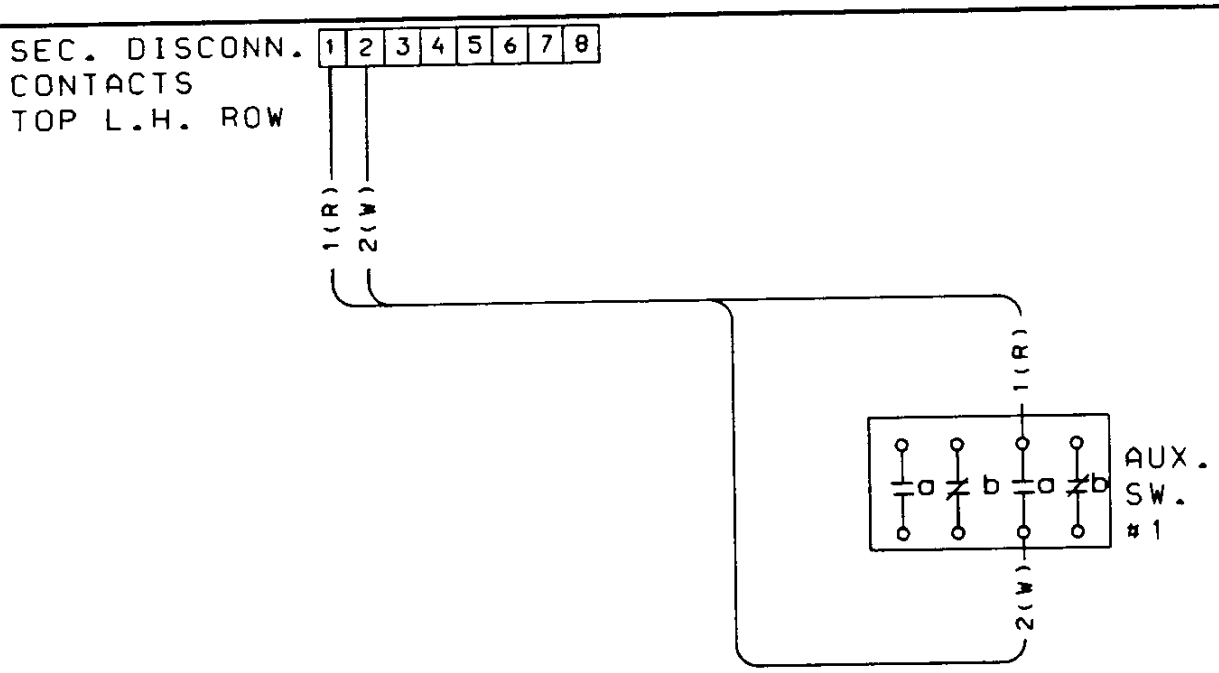
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 69

FIG. NO.
A44025-167-6B

CADD/CHUCKD/



SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLO		10-22-71	SWGR-2-C2

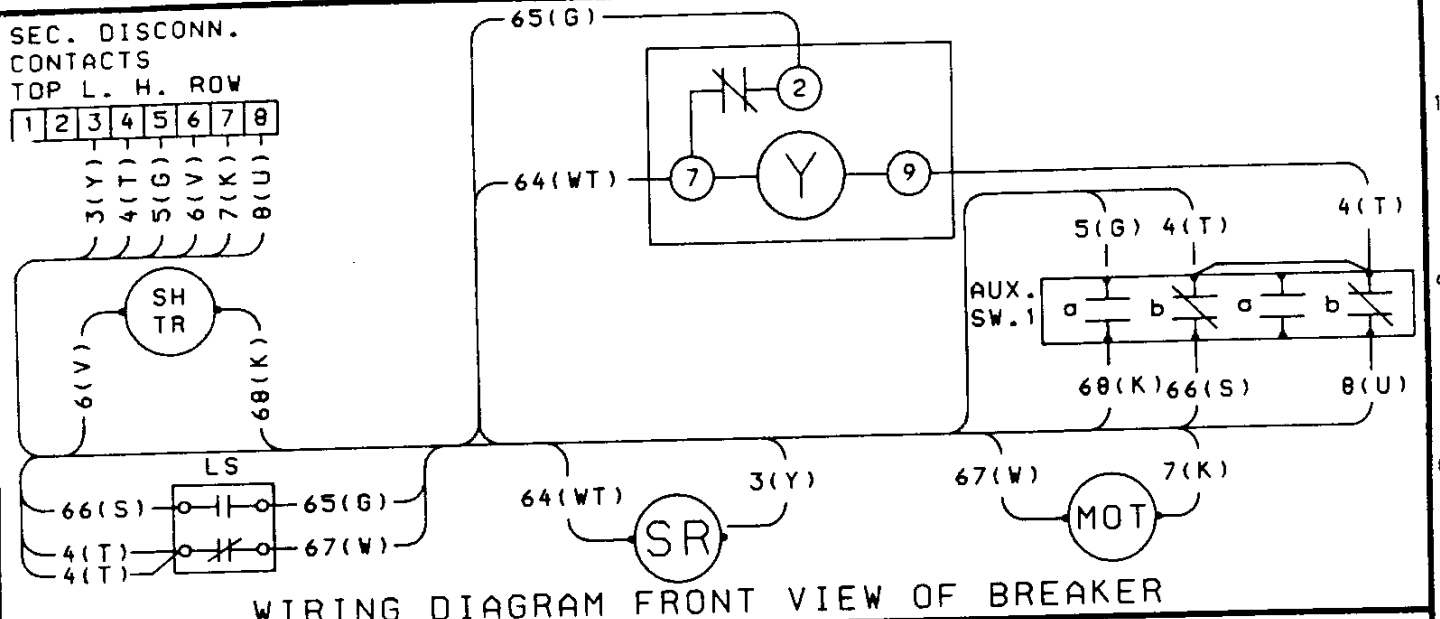
TITLE

DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
a2

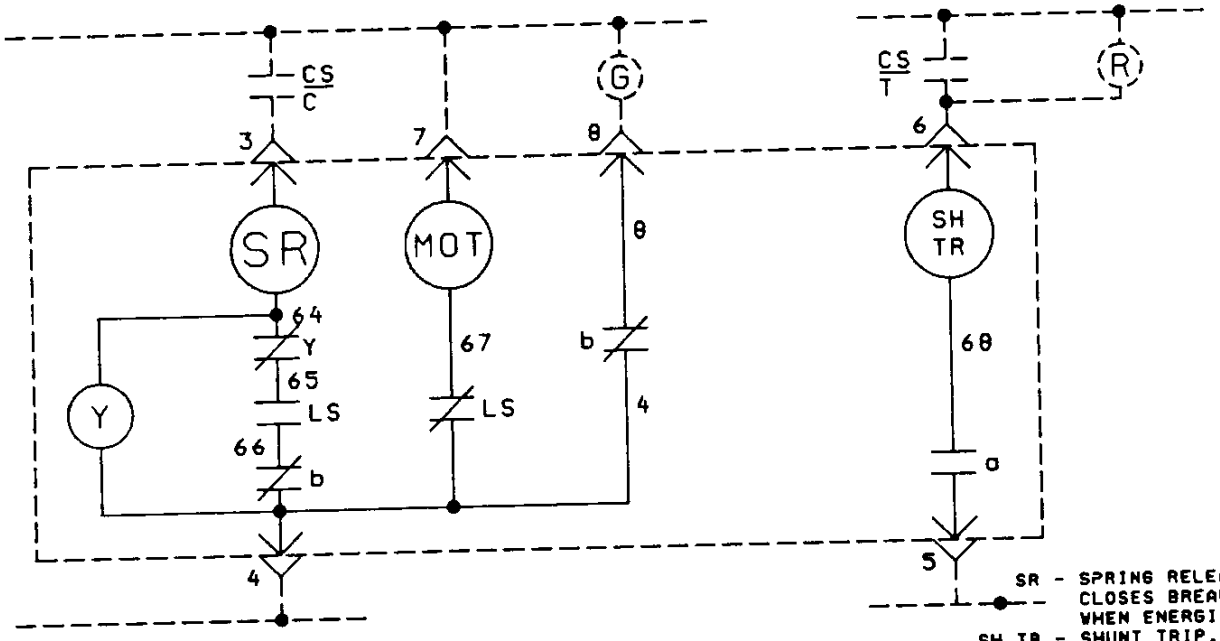
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-9D

CADD/CHUCKD/9-11-85



WIRING DIAGRAM FRONT VIEW OF BREAKER



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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

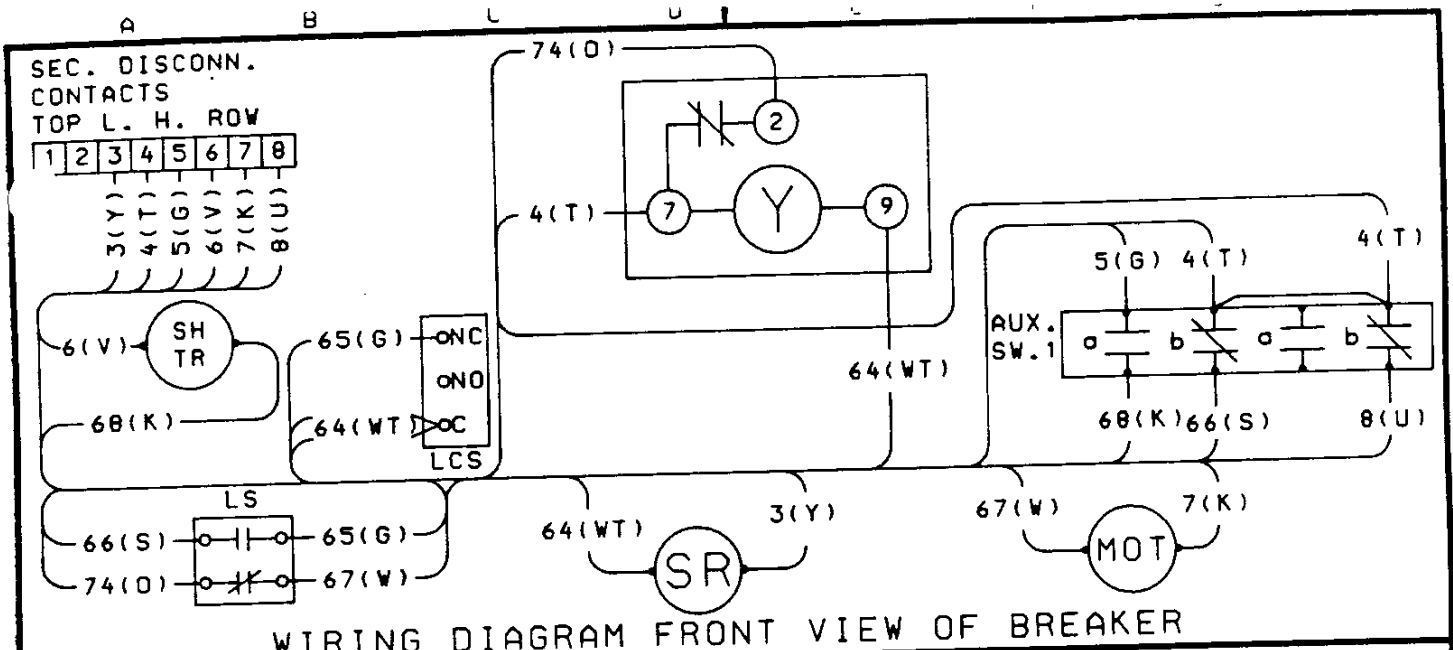
SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10-21-71	SVGR-2-C2

TITLE
DS CIRCUIT BREAKER - POWER OPERATED MECHANISM - SPECIAL - CLOSE SPRINGS CHARGE AFTER BREAKER CLOSES.

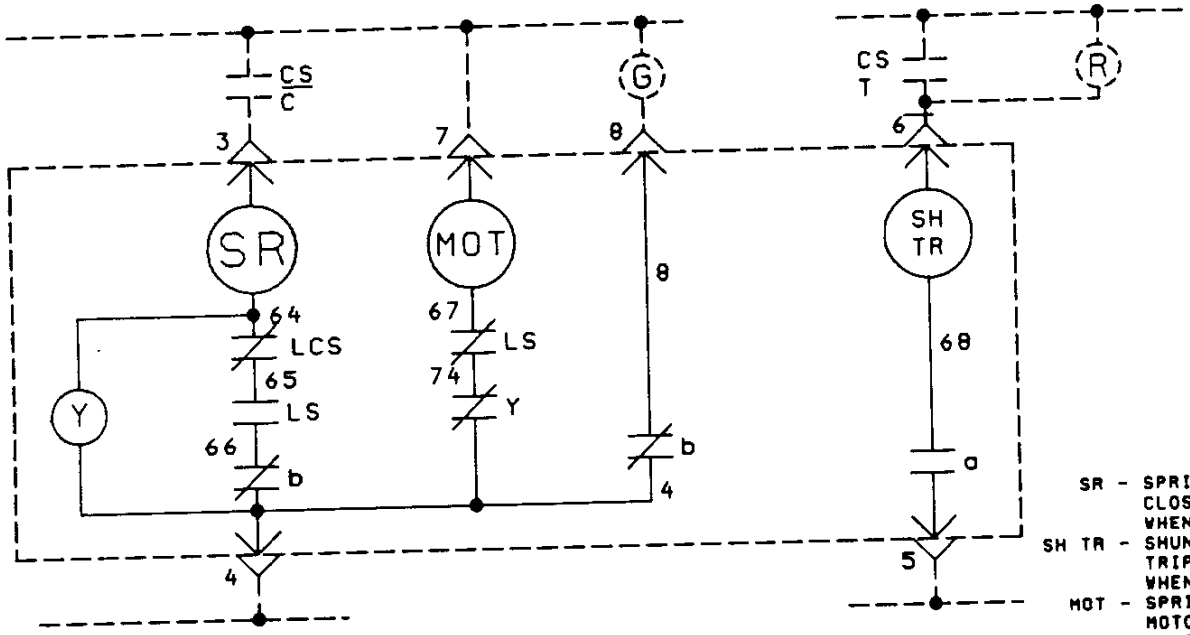
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-7A

CADD/CHUCKD/9-__-85



WIRING DIAGRAM FRONT VIEW OF BREAKER



SR - SPRING RELEASE. CLOSES BREAKER WHEN ENERGIZED.
SH TR - SHUNT TRIP. TRIPS BREAKER WHEN ENERGIZED.
MOT - SPRING CHARGING MOTOR
Y - ANTI-PUMP RELAY
LS - LIMIT SWITCH

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

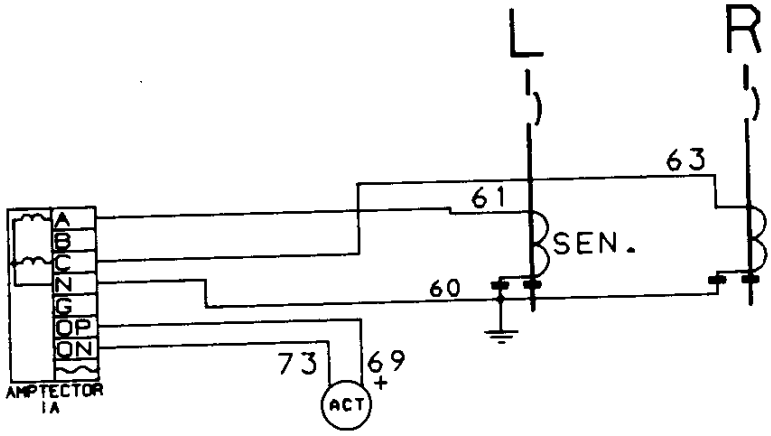
SCALE	DRAWN	CHKD.	DATE	C.R.
NONE	DLD		10-26-71	SVBR-2-C2

TITLE DS CIRCUIT BREAKER - POWER OPERATED MECHANISM - SPECIAL - CLOSE SPRINGS CHARGE AFTER BREAKER CLOSES (WITH LATCH CHECK SWITCH.)

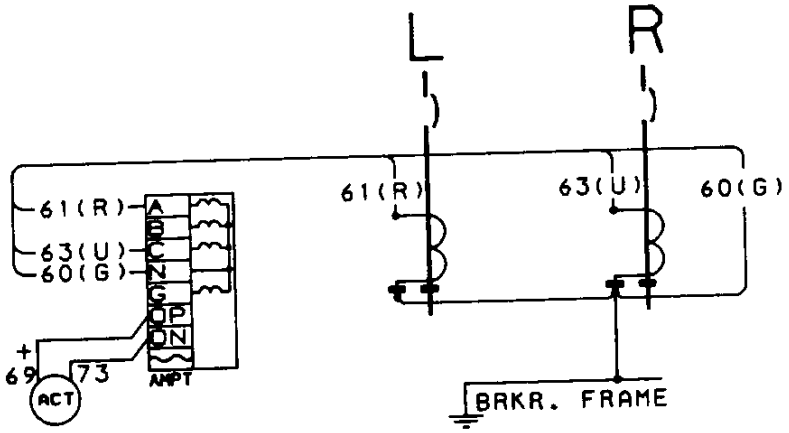
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FIG. NO.
A44025-167-7B

CADD/A.A./7-2



SCHEMATIC DIAGRAM 2-POLE



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800A600-8A

WIRING DIAGRAM - FRONT VIEW OF BREAKER

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C	SV6R-3 -C45	08/30/ 85	CHP

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERVISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
N.T.S.	DLD		01-03-72	SV6R-2-C2

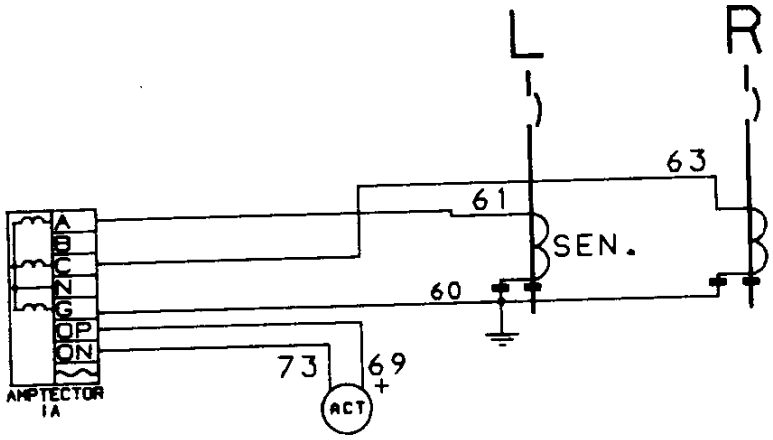
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

TITLE
2 POLE DS CIRCUIT BREAKER STANDARD SERIES OVERCURRENT TRIP

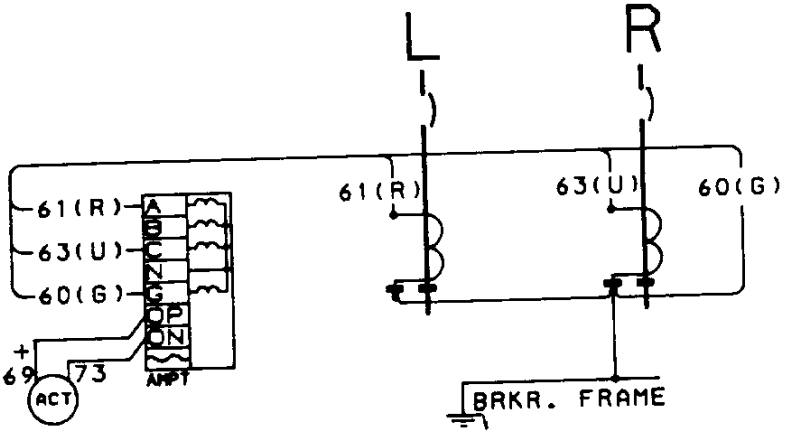
FIG. NO.
A44025-167-8A

PRINTS TO

CADD/BSM 02/



SCHEMATIC DIAGRAM 2-POLE



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800A600-8B

WIRING DIAGRAM - FRONT VIEW OF BREAKER

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

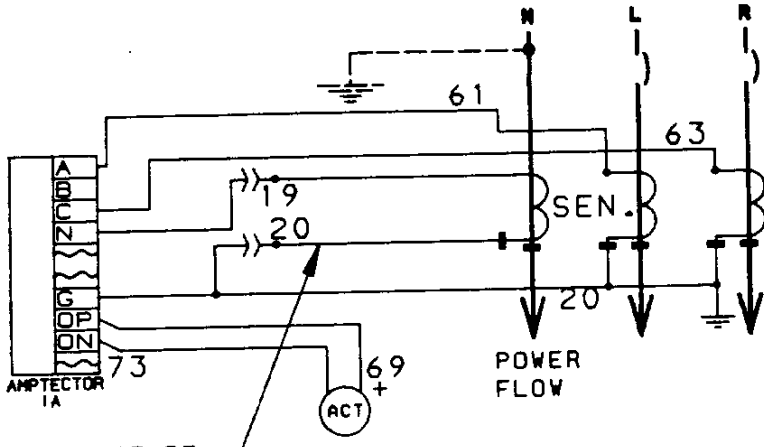
SCALE	DRAWN	CHKD.	DATE	C.R.
M.T.S.	DLD		01-03-72	SV8R-2-C2

TITLE
2 POLE DS CIRCUIT BREAKER SERIES TRIPPING WITH GRD. (NO NEUTRAL CONNECTION)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

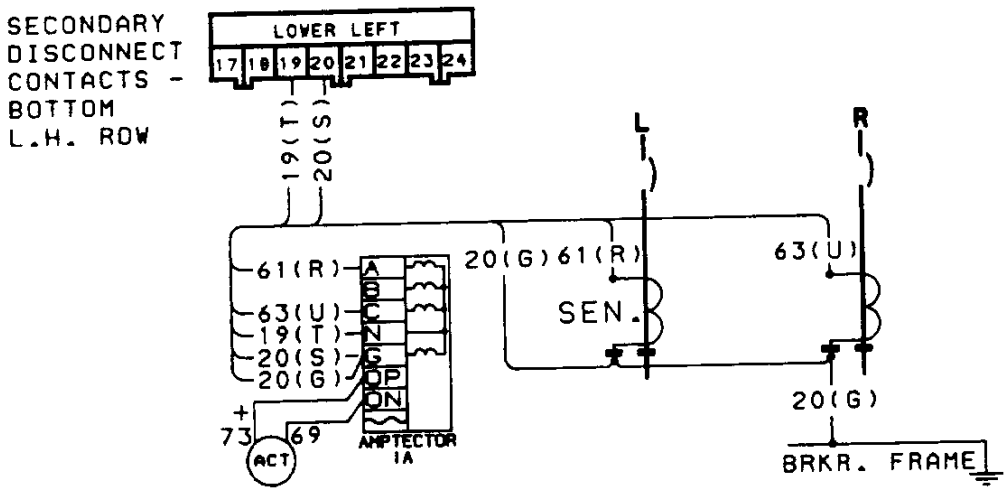
FIG. NO.
A44025-167-8B

CADD/CHUCKD/ 2-85



NOTES:
USED WITH FEEDER BREAKERS OR MAINS WITH THE SENSOR MOUNTED ON THE NEUTRAL DOWNSTREAM FROM THE POINT ON THE NEUTRAL WHERE THE BOND TO GROUND IS CONNECTED. PHASING OF 19 AND 20 TO SENSOR POLARTY (AS SHOWN) IS IMPORTANT.

SCHEMATIC DIAGRAM 2 – POLE



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REF. 800A600-8C

WIRING DIAGRAM – FRONT VIEW OF BREAKER

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DO NOT SCALE – WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
N.T.S.	DLD		10-26-71	SV8R-2-C2

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 69

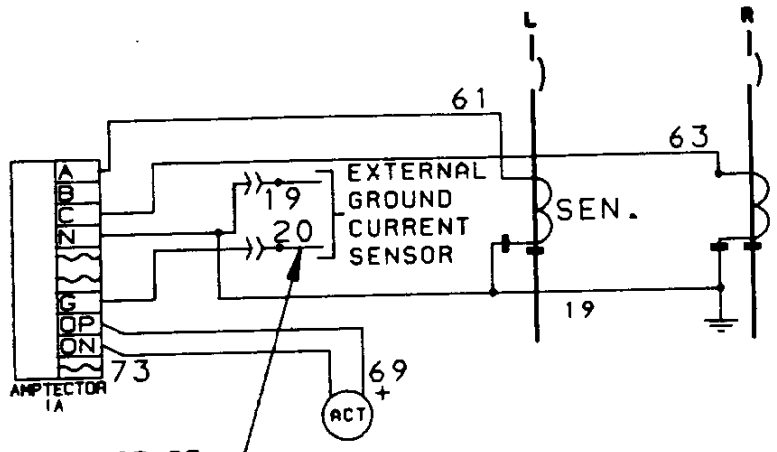
TITLE
2 – POLE DS CIRCUIT BREAKER-SERIES TRIP WITH GROUND CURRENT TRIPPING. (WITH NEUTRAL CONNECTION)

FIG. NO.
A44025-167-8C

PRINTS TO

CADD/CHUCK

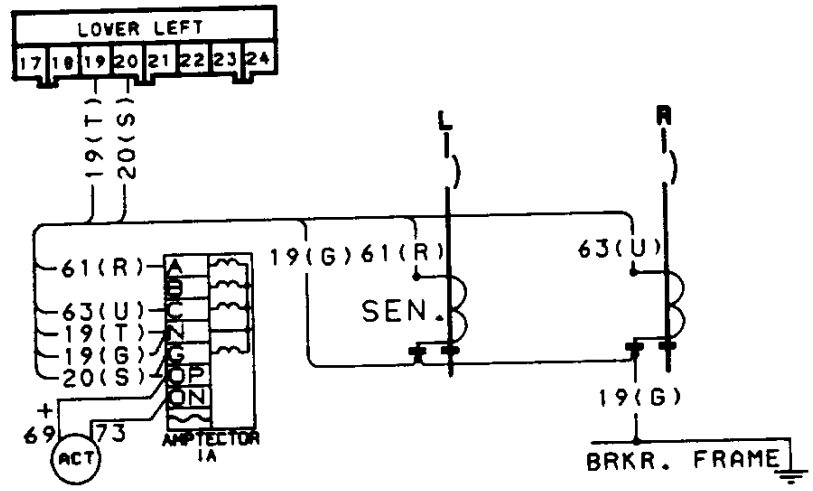
NOTE: USED WITH MAIN & TIE BREAKERS ONLY. SENSOR IS LOCATED IN BONDING BUS BETWEEN NEUTRAL AND GROUND OR ON THE NEUTRAL AT THE POINT AT WHICH THE BOND IS CONNECTED TO THE NEUTRAL ON DOUBLE ENDED SUBSTATIONS. PHASING OF 19 & 20 TO SENSOR IS UNIMPORTANT.



WIRING MUST BE TYPE SIS (U.L. LISTED)

SCHEMATIC DIAGRAM 2-POLE

SECONDARY DISCONNECT CONTACTS - BOTTOM L.H. ROW



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REF. 800A600-8D

WIRING DIAGRAM - FRONT VIEW OF BREAKER

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
N.T.S.	DLD		10-26-71	SV8R-2-C2

TITLE
2 POLE DS CIRCUIT BREAKER SERIES TRIP WITH GROUND - EXTERNAL GROUND CURRENT SENSING.

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

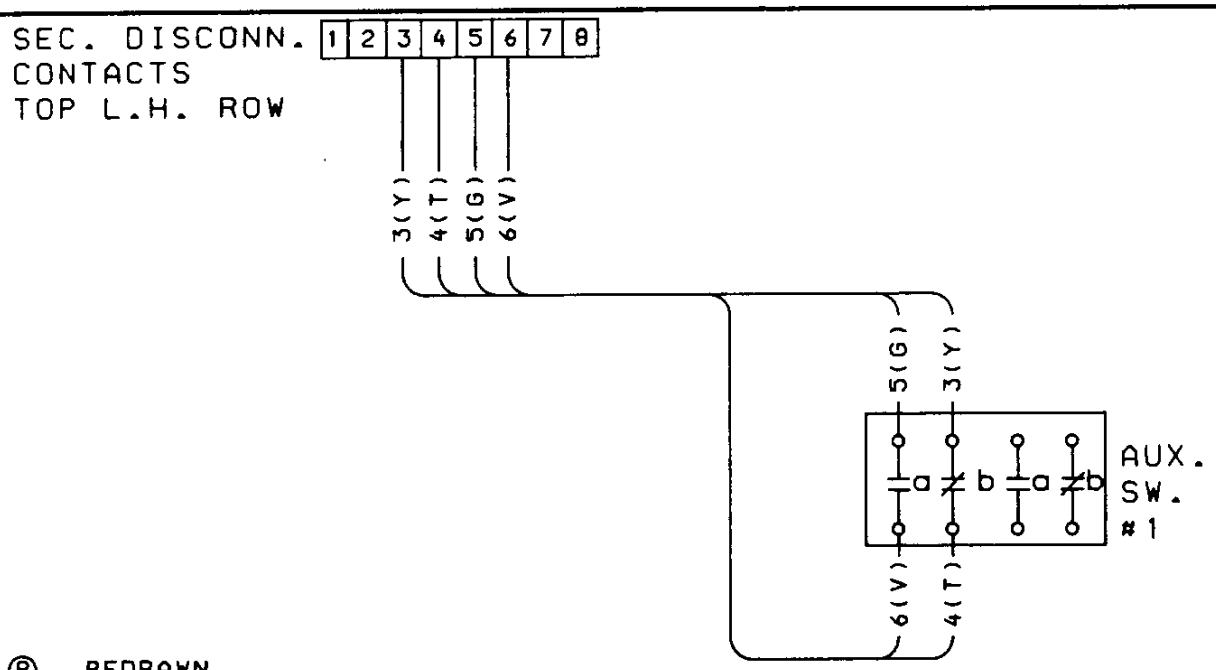
FIG. NO.
A44025-167-8D

PRINTS TO

CADD/CHUCKD/ .85



SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-9A

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-22-71	SVGR-2-C2

TITLE

DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
a1 & b1

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

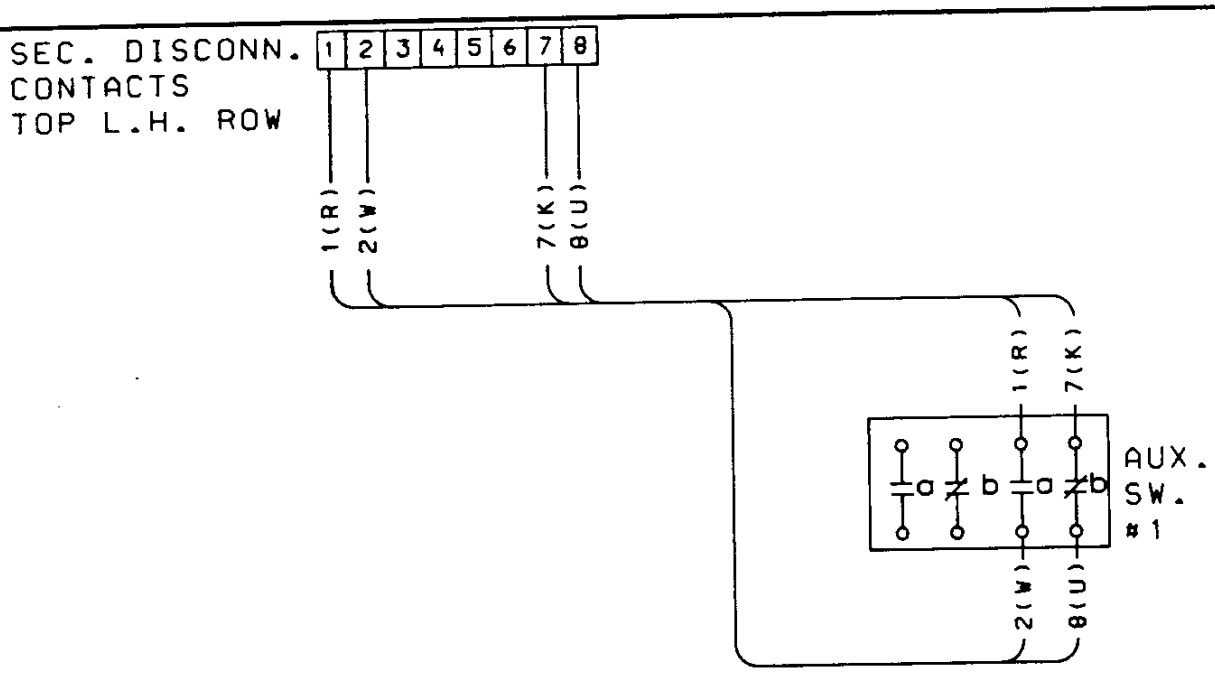
FIG. NO.

A44025-167-9A

CADD/CHUCKD/9-11-85



SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-9B

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-22-71	SWGR-2-C2

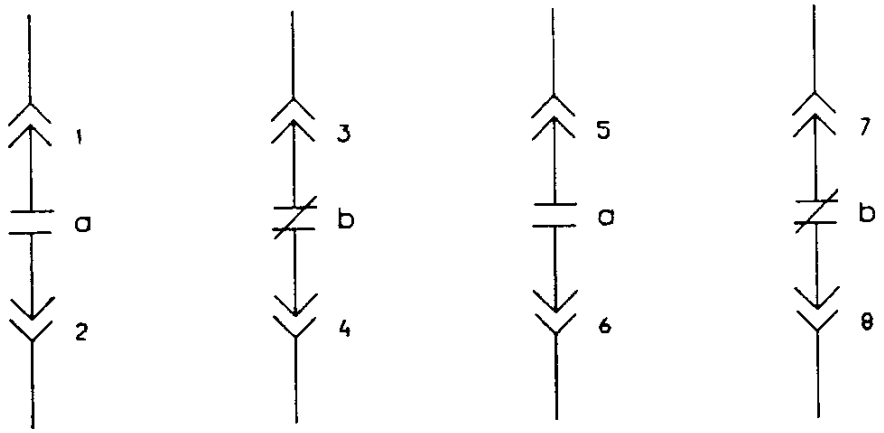
TITLE

DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
a2 & b2

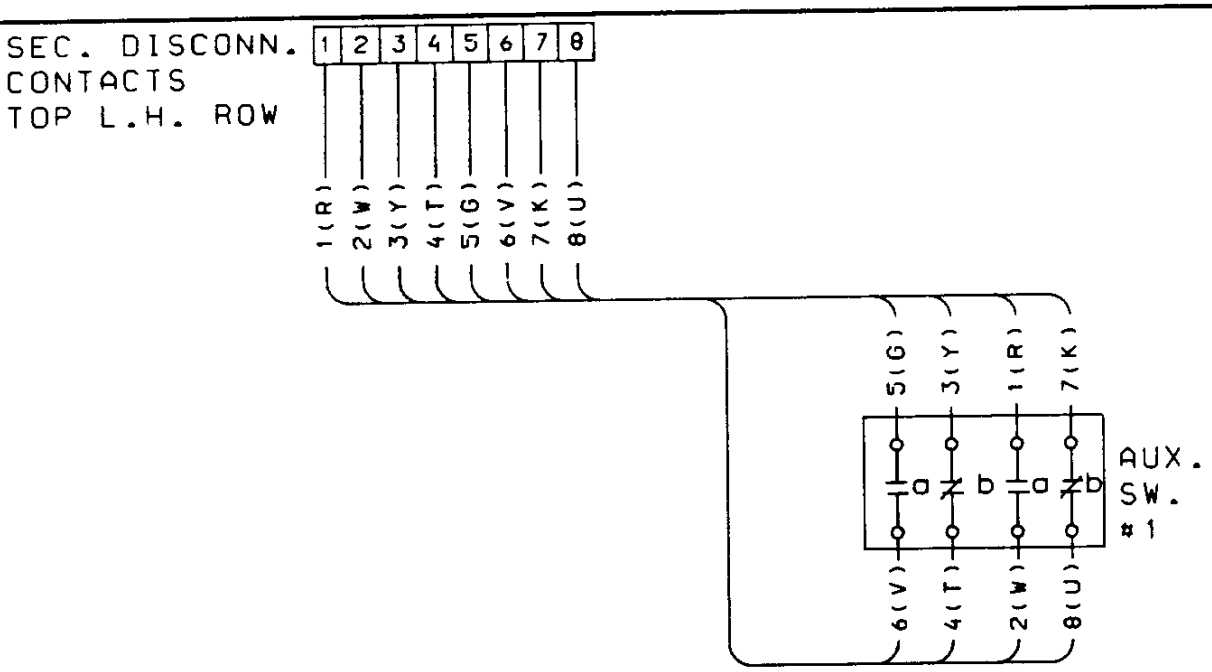
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-9B

CADD/CHUCKD/9-11-85



SCHEMATIC DIAGRAM



WIRING DIAGRAM
FRONT VIEW OF BREAKER REF. 800A600-9C

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-22-71	SWGR-2-C2

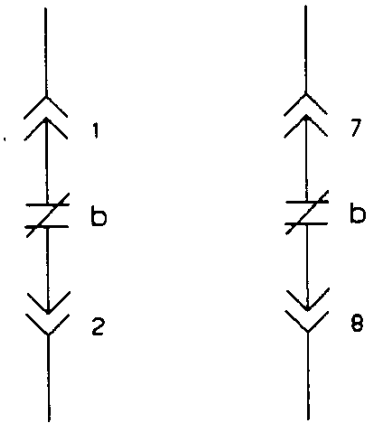
TITLE

DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
a1, b1, a2 & b2

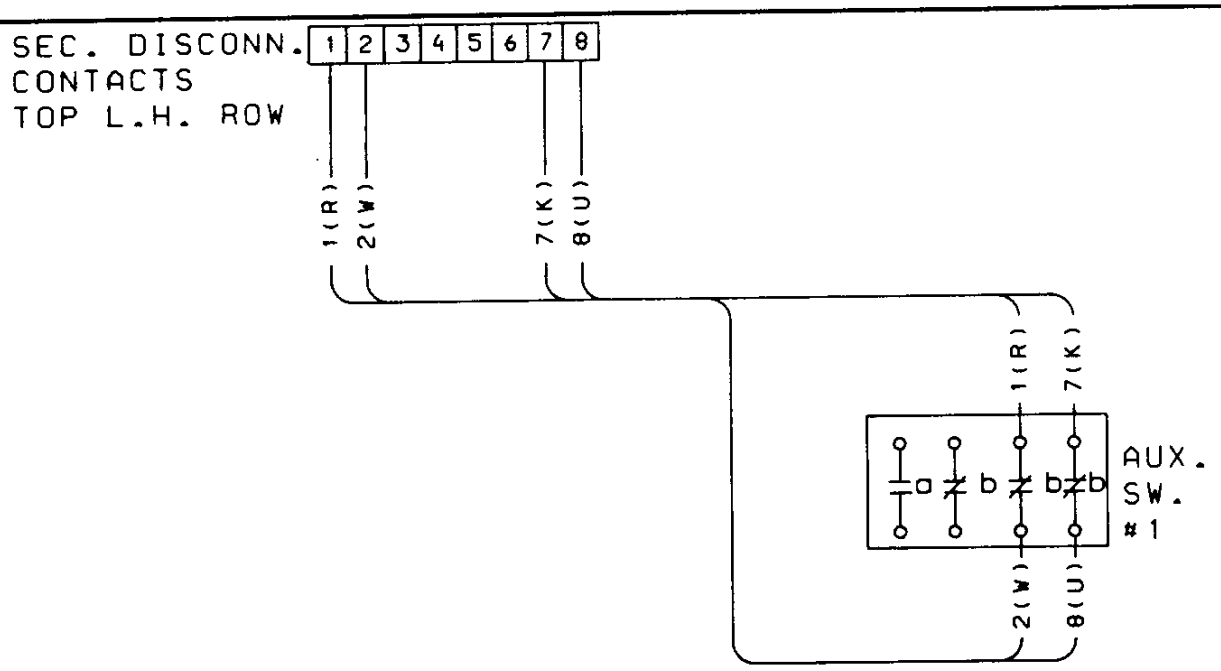
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-9C

CADD/CHUCKD/9-14-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER REF. 800A600-9E

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL.LETTER.OR NUMBERED DRILL +.004 THREE PLACE DECIMAL ±.002 -.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	ADS		01/06/75	SWGR-3-C65

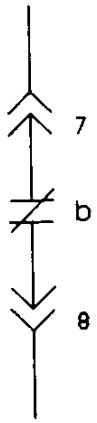
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
b2 & b3

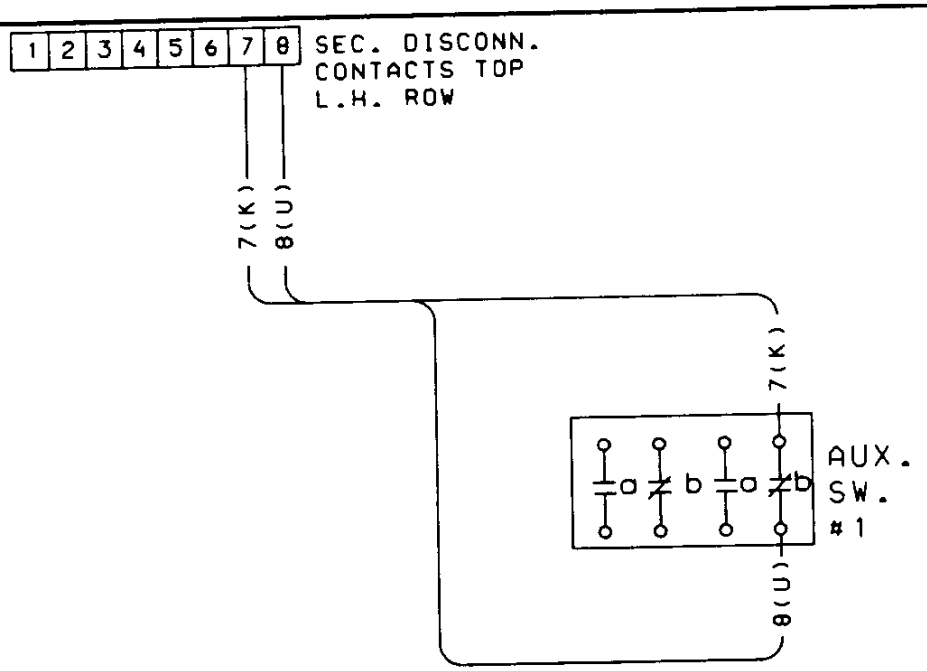
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-9E

CADD/CHUCKD/8-14-85



SCHEMATIC DIAGRAM



WIRING DIAGRAM
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STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1-6-75	SWGR-3-C65

TITLE

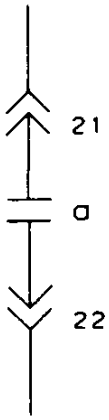
DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
b2

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

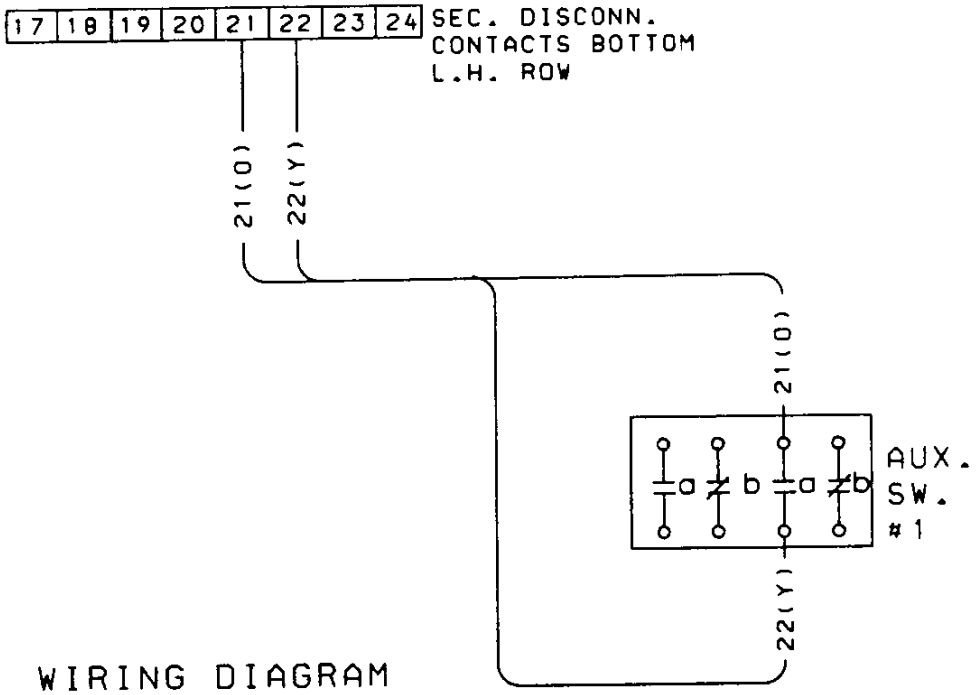
FIG. NO.
A44025-167-9F

PRINTS TO

CADD/CHUCKD/9-14-85



SCHEMATIC DIAGRAM



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FRONT VIEW OF BREAKER

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STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 THREE PLACE DECIMAL ±.002 -.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1/6/75	SWGR-3-C65

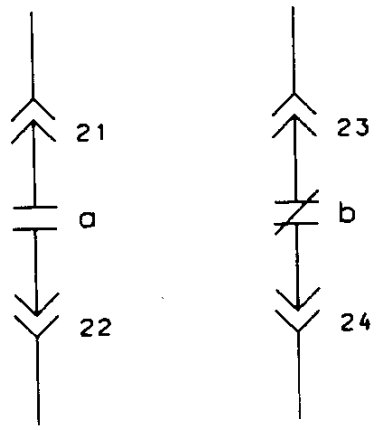
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
a2

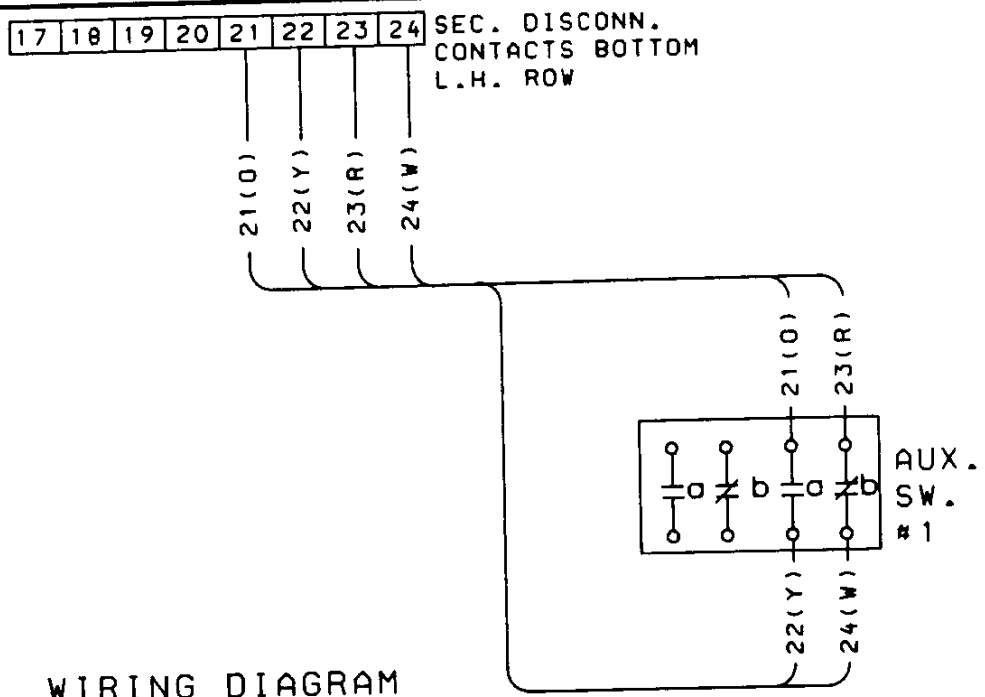
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FIG. NO.
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SCHEMATIC DIAGRAM



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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-24-71	SVBR-2-C2

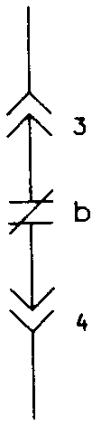
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
a2 & b2

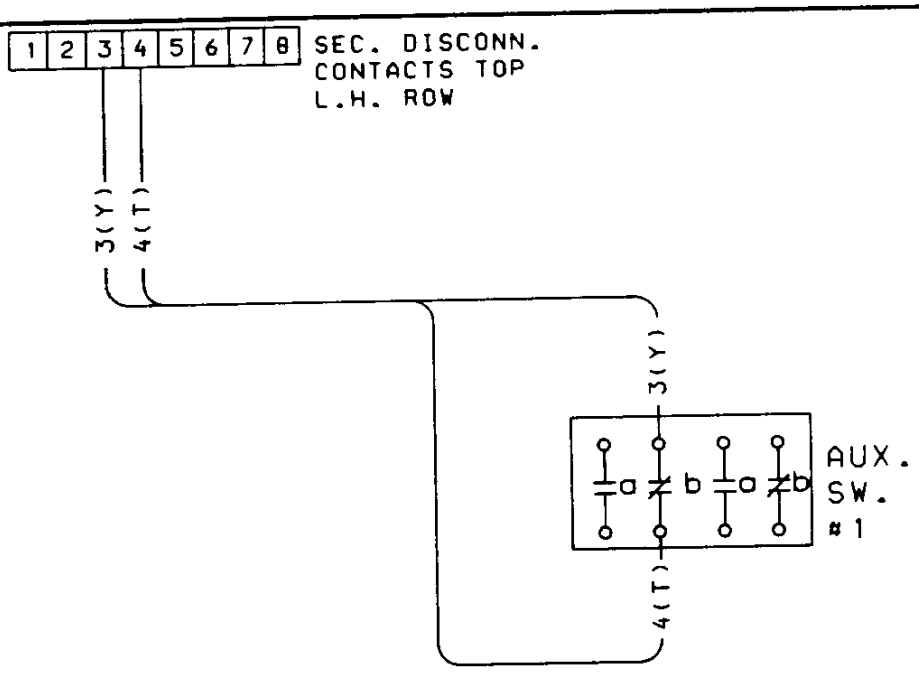
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-9H

CADD/CHUCKD/9-14-85



SCHEMATIC DIAGRAM



WIRING DIAGRAM
FRONT VIEW OF BREAKER REF. 800A600-91

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STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SWGR-2-C2

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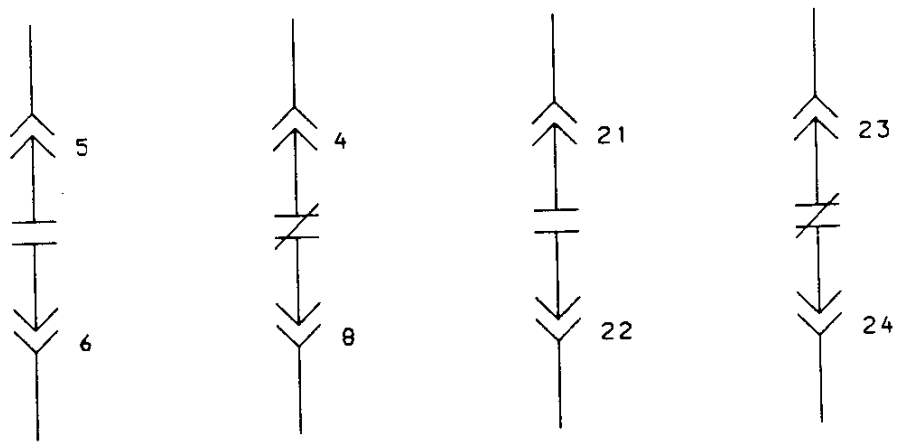
DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
b1

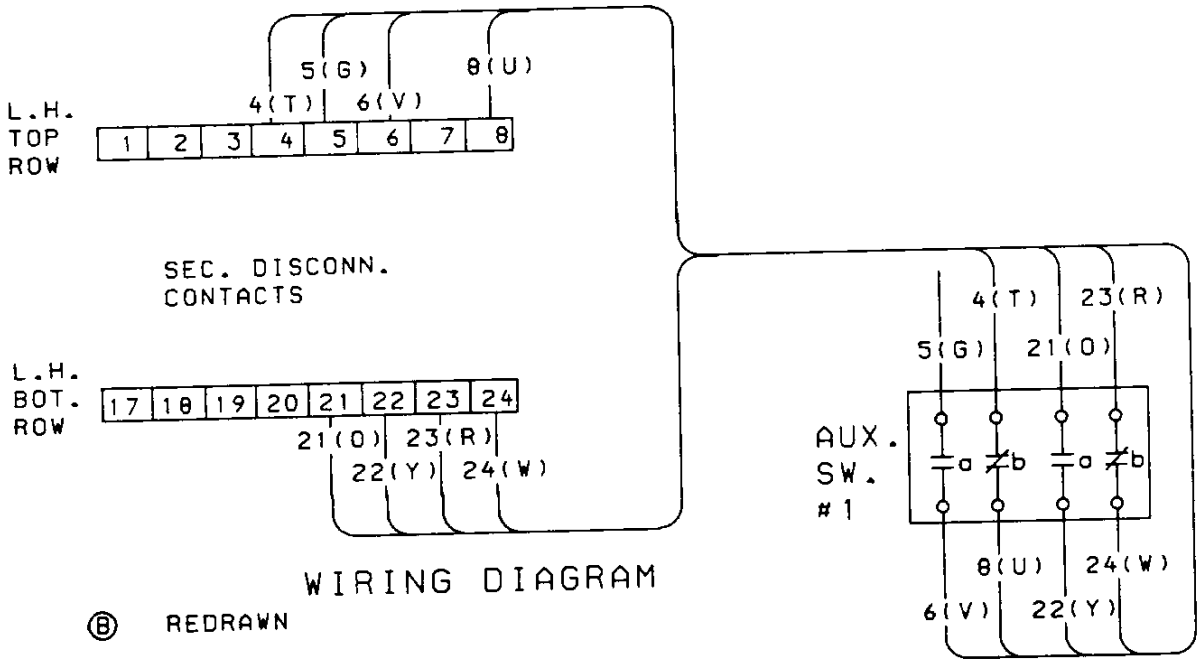
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POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-91

CADD/CHUCKD/9-14-85

SCHEMATIC DIAGRAM





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STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		01/07/75	SWGR-3-C65

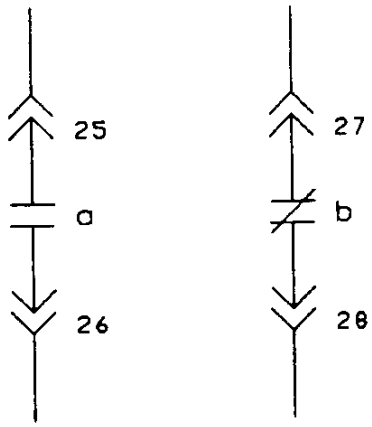
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #1
a1, a2, b1 & b2

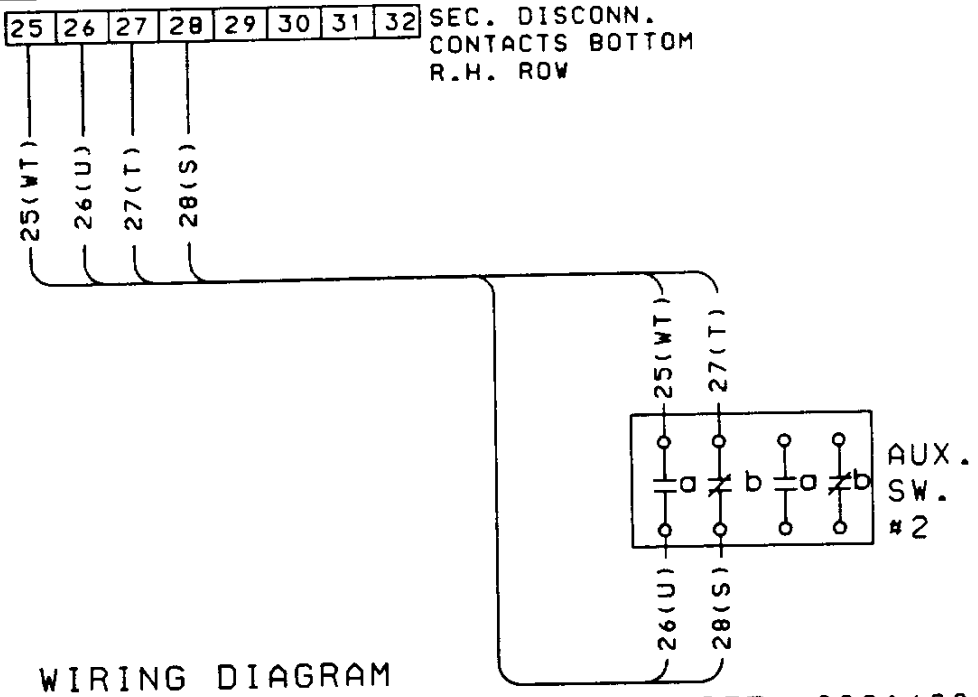
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POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-9J

CADD/CHUCKD/9-10-85



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FRONT VIEW OF BREAKER

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SV8R-2-C2

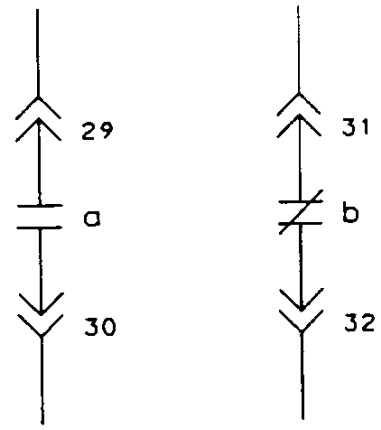
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #2
a1 & b1

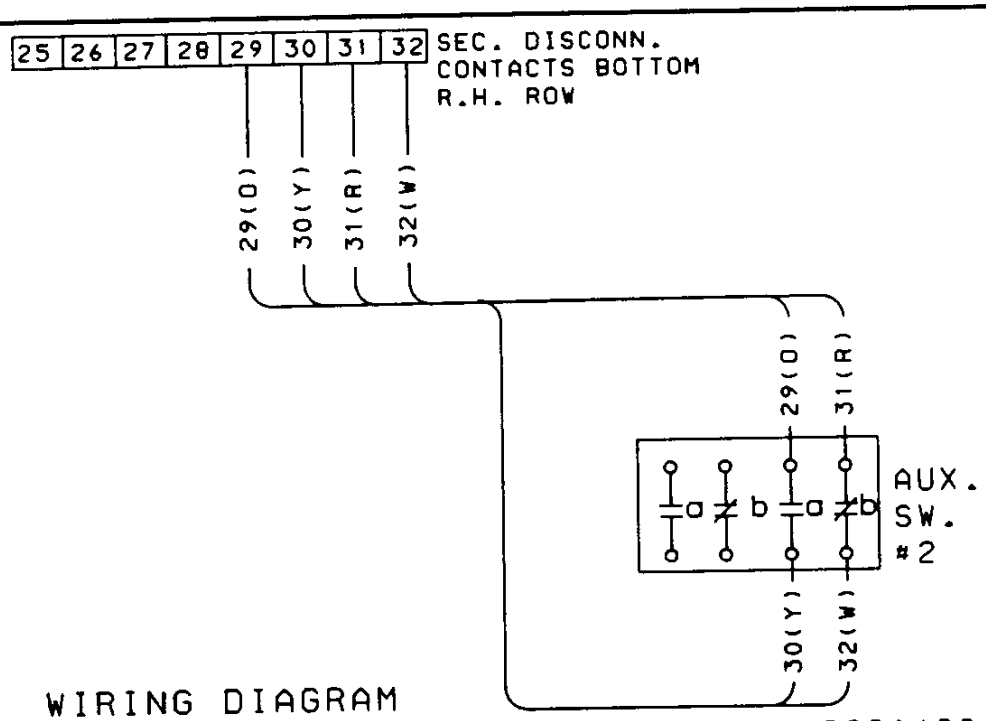
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-10A

CADD/CHUCKD/9-16-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

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STANDARD TOLERANCE UNLESS OTHERVISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SVBR-2-C2

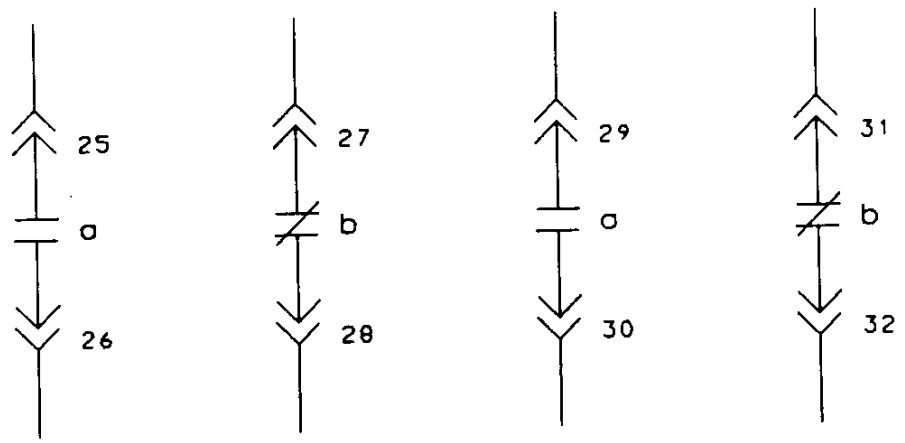
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #2
a2 & b2

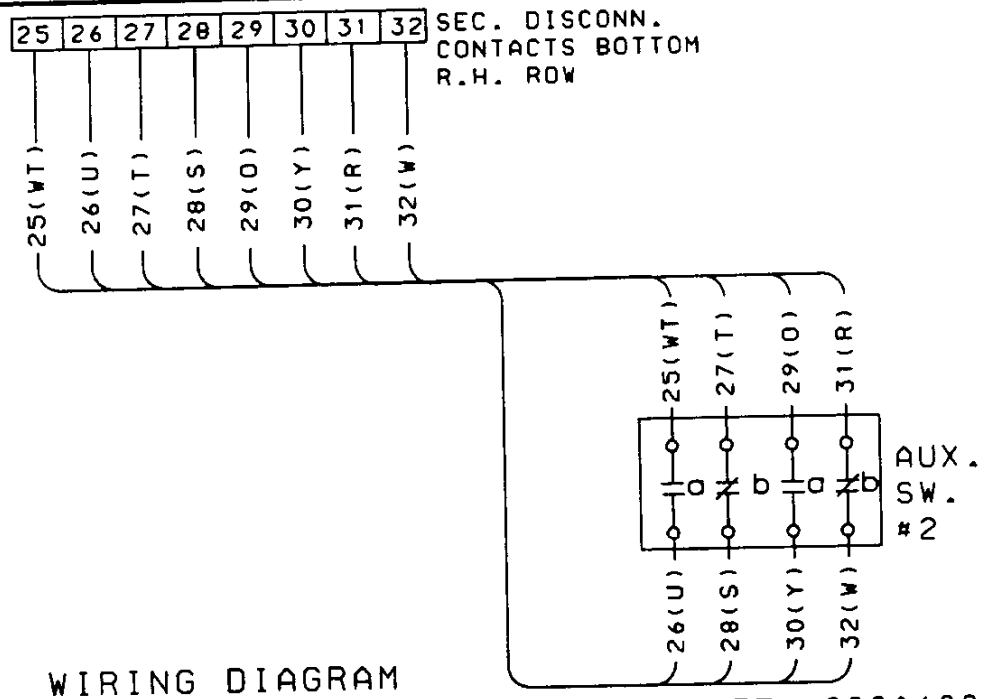
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POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-10B

CADD/CHUCKD/9-18-85



SCHEMATIC DIAGRAM



(B) REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

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STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
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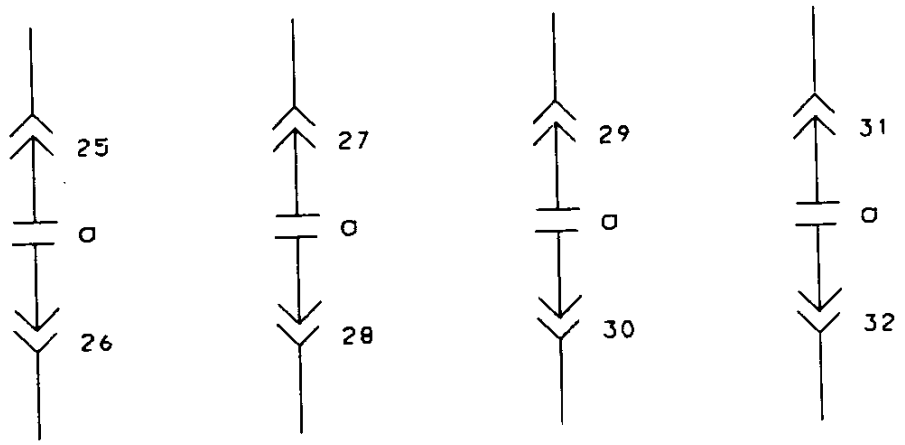
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #2
a1, a2, b1 & b2

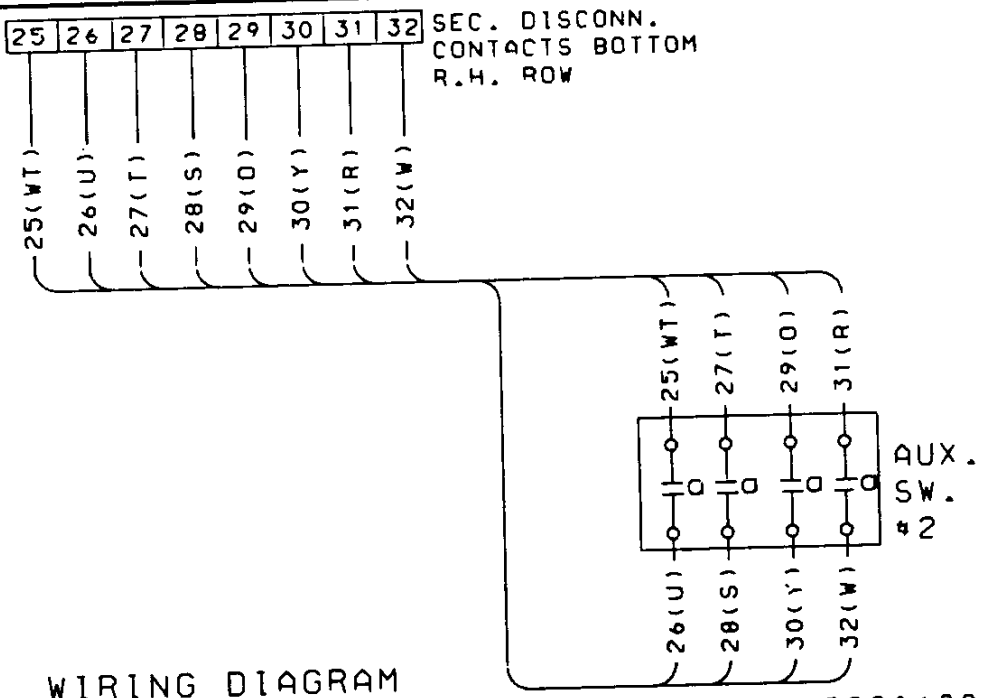
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-10C

CADD/CHUCKO/9-18-85



SCHEMATIC DIAGRAM



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ±.020 THREE PLACE DECIMAL ±.005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHK'D.	DATE	C.R.
NTS	DLD		10-26-71	SVBR-2-C2

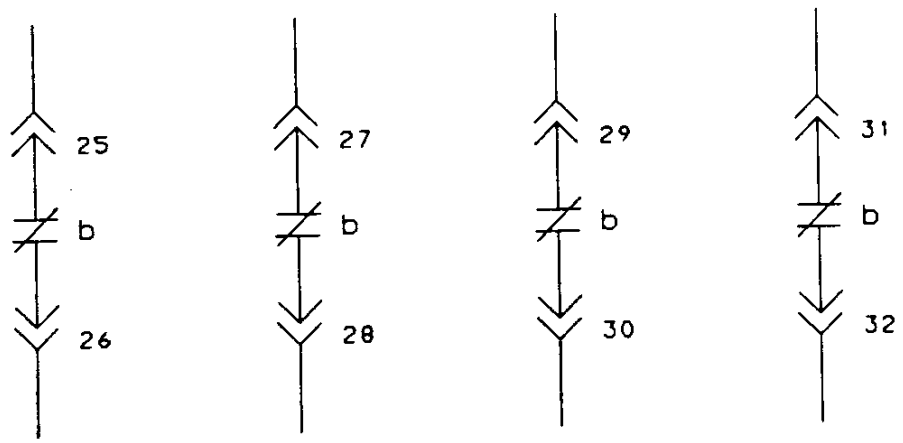
TITLE

DS CIRCUIT BREAKER
AUXILIARY SWITCH #2
a1, a2, a3 & a4

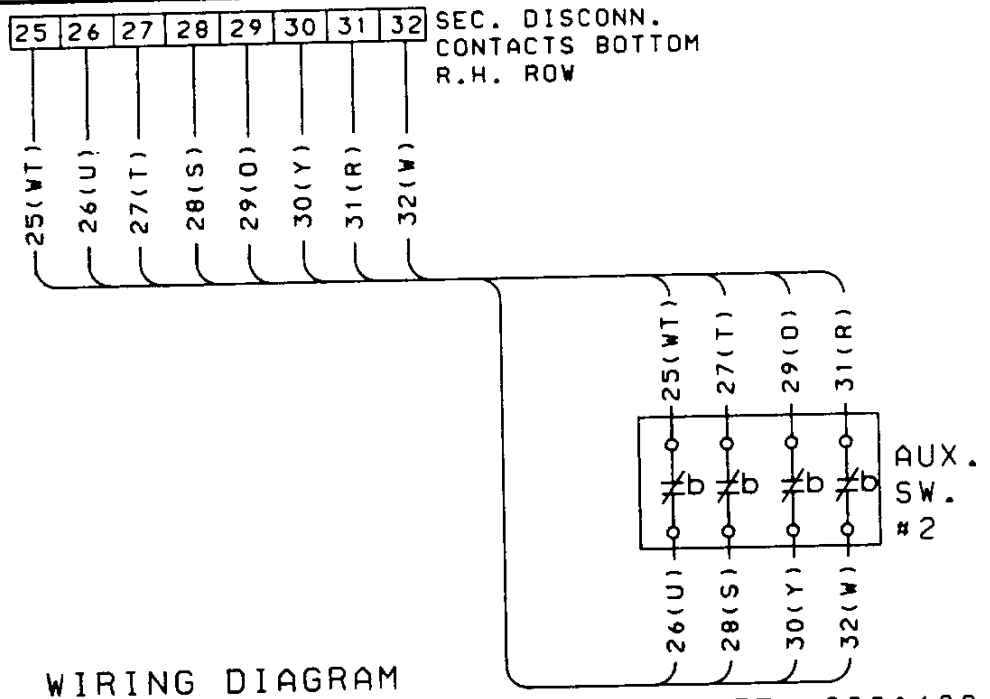
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FIG. NO.
A44025-167-10D

CADD/CHUCKO/6 10-85



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FRONT VIEW OF BREAKER

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SVGR-2-C2

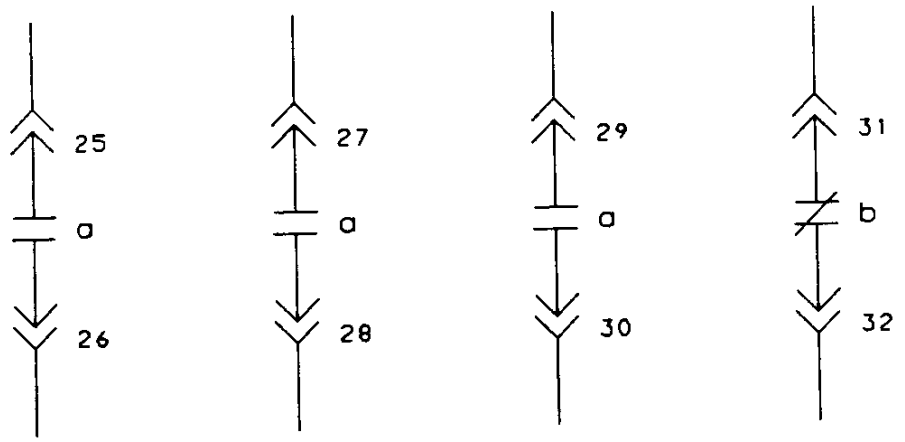
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #2
b1, b2, b3 & b4

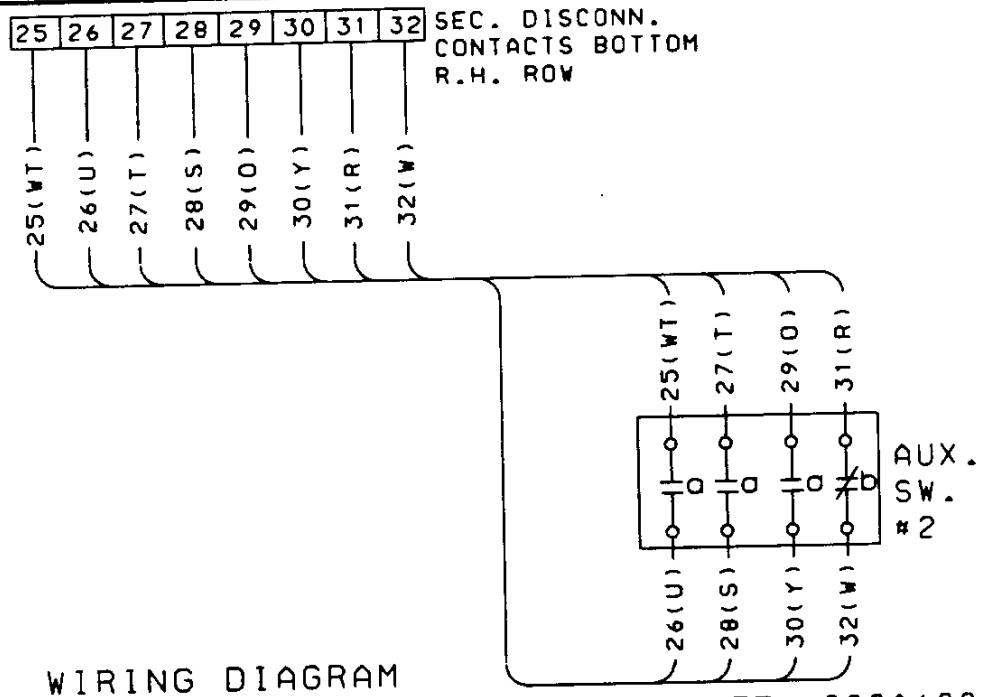
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POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-10E

CADD/CHUCKO/9-18-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN WIRING DIAGRAM
FRONT VIEW OF BREAKER

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SWGR-2-C2

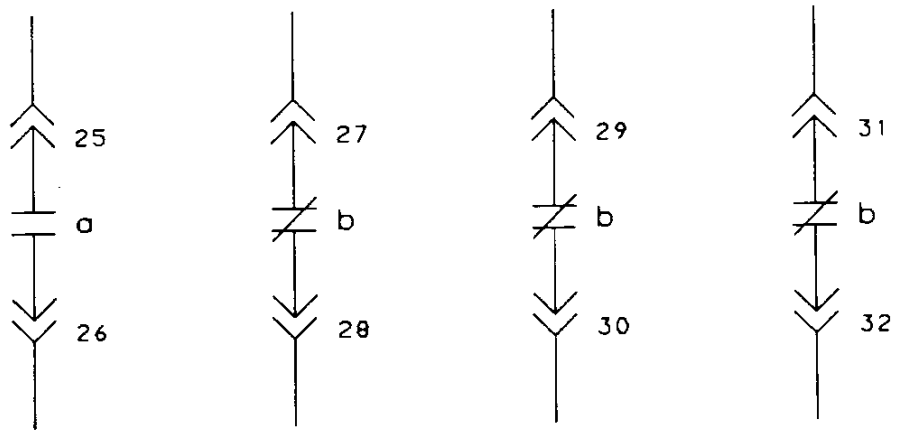
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #2
a1, a2, a3 & b1

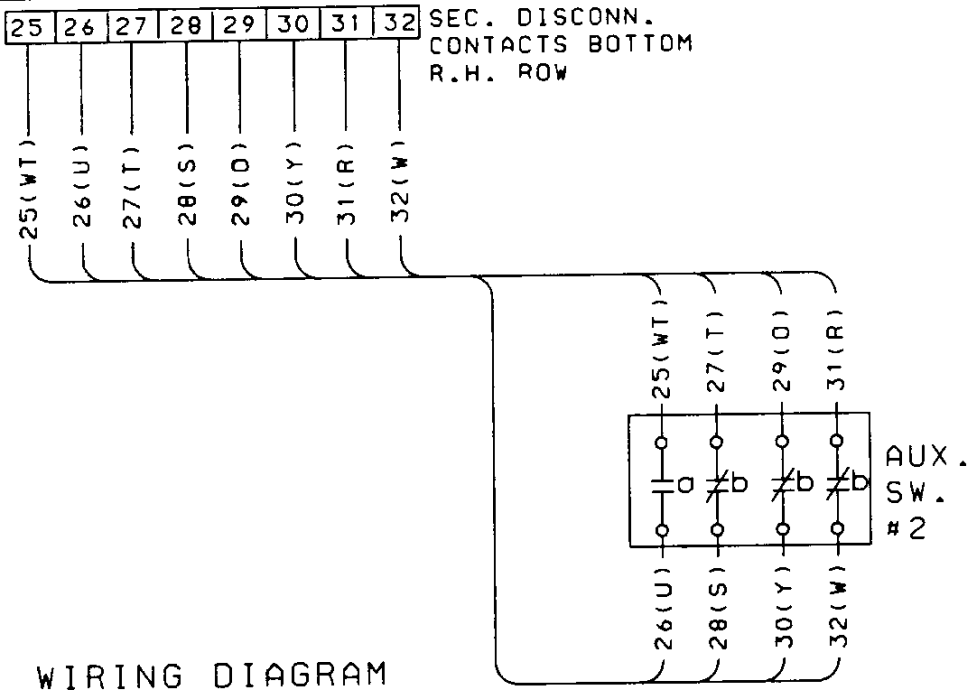
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-10F

CADD/CHUCKD/9-18-85



SCHEMATIC DIAGRAM



(B) REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-10G

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SWGR-2-C2

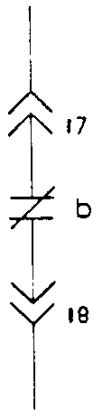
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #2
a1, b1, b2 & b3

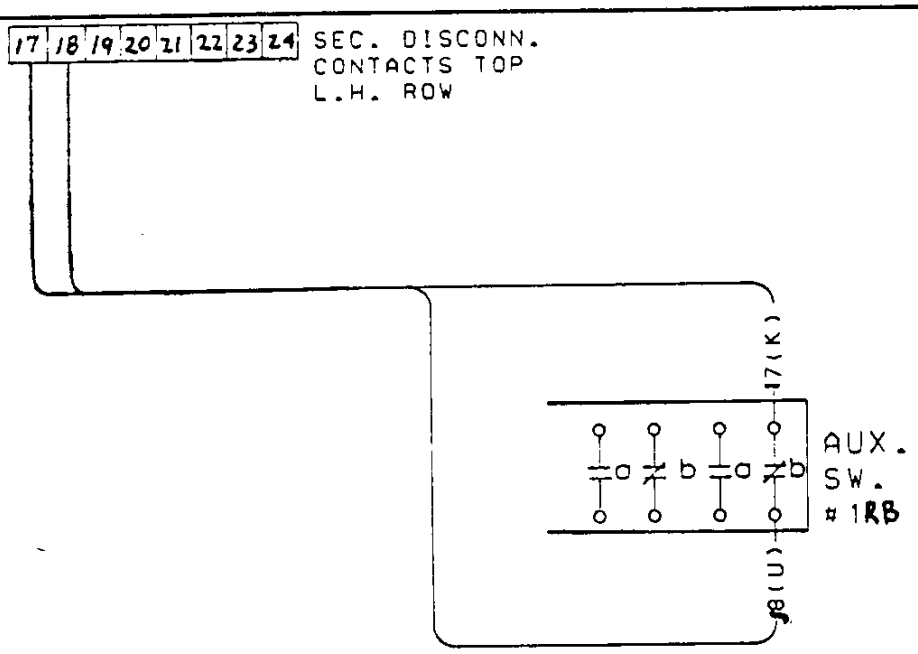
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-10G

CADD/CHUCKO/9-18-85



SCHEMATIC DIAGRAM



WIRING DIAGRAM
FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL
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B			

PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

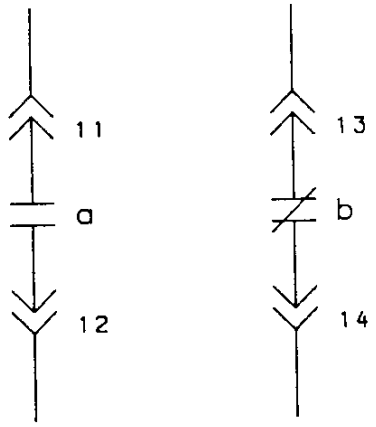
SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	ODH		7-14-69	

TITLE

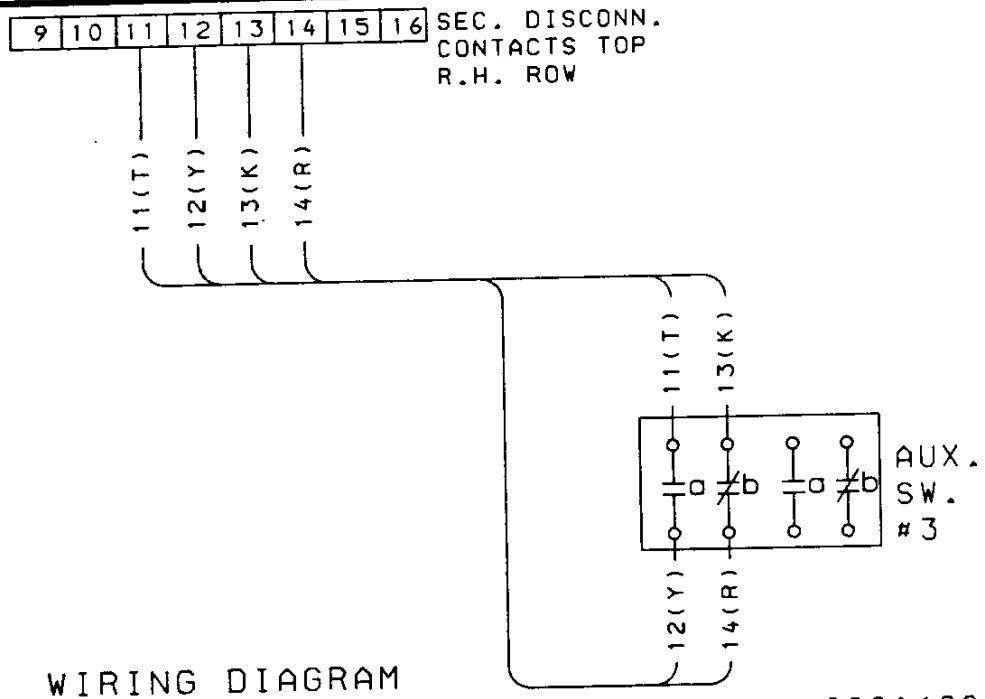
DS CIRCUIT BREAKER
AUXILIARY SWITCH # 1RB
b CONTACT

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-10H



SCHEMATIC DIAGRAM



(B) REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-11A

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SVGR-2-C2

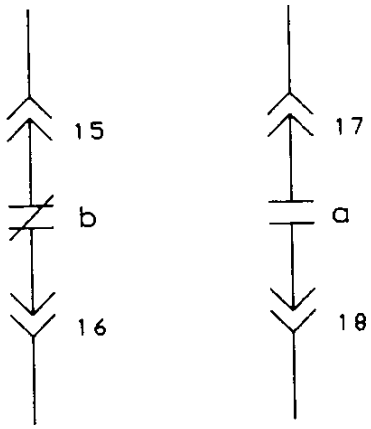
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a1 & b1

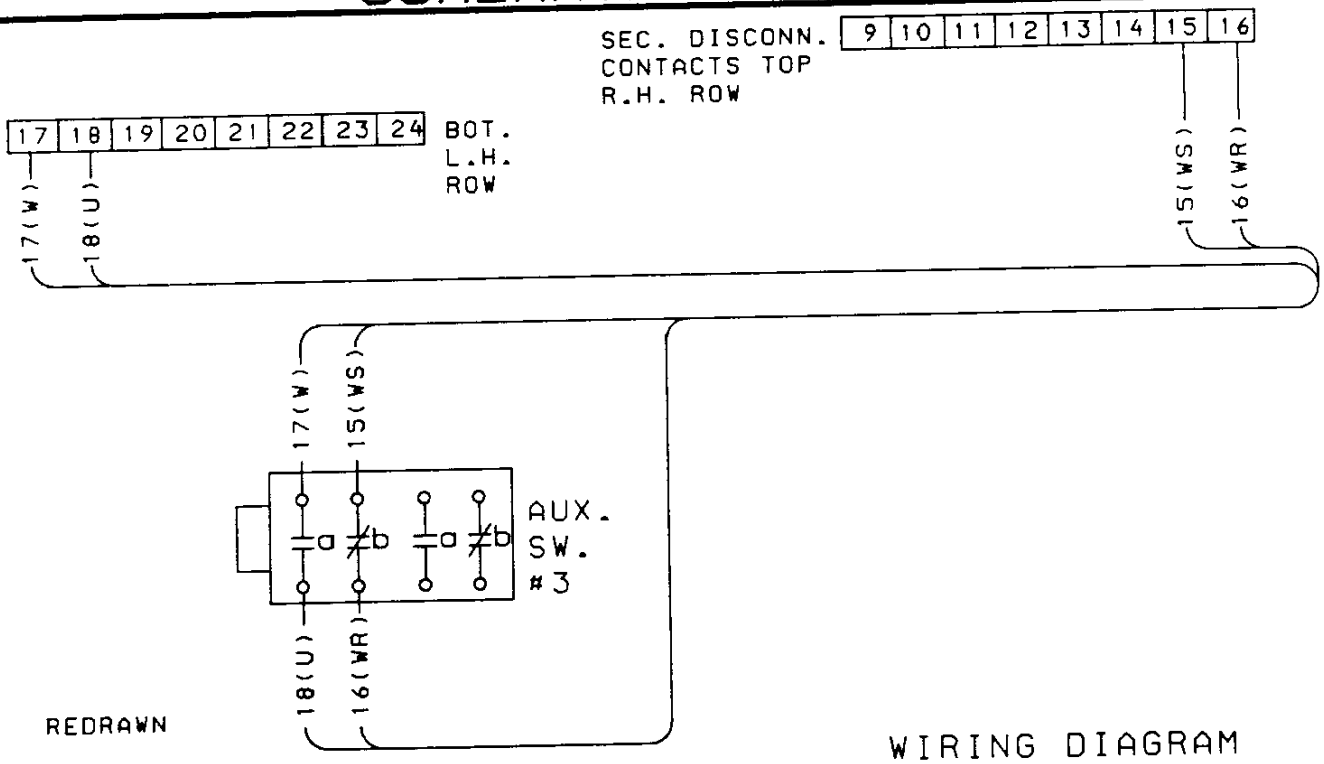
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11A

CADD/CHUCKD/9-18-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-11B

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SWGR-2-C2

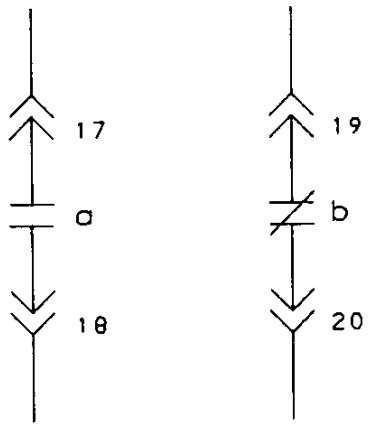
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a1 & b1

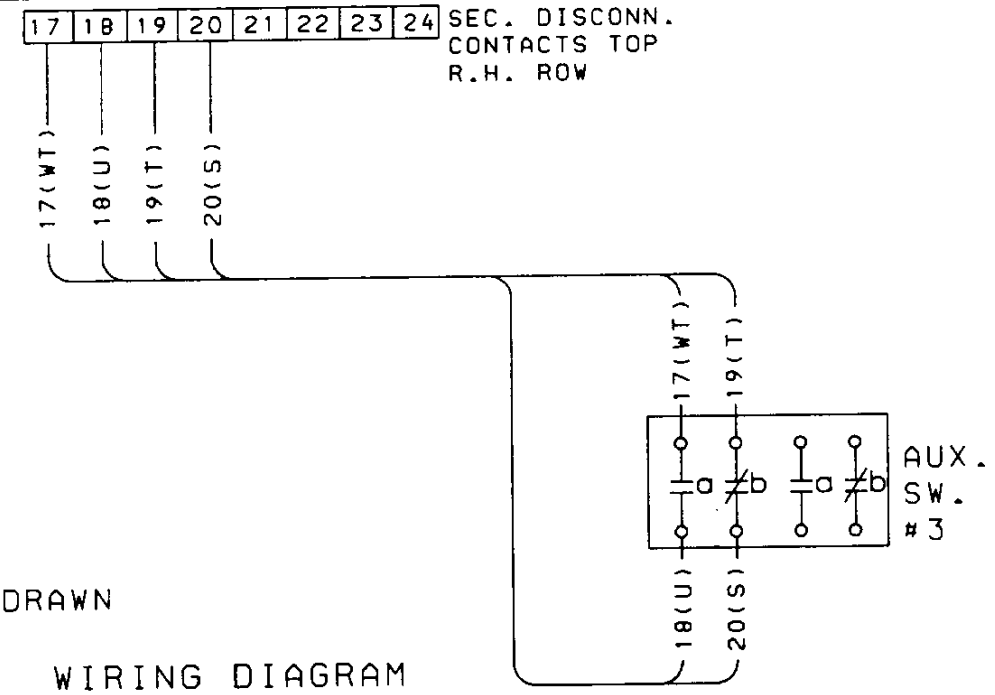
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-11B

CADD/CHUCKO/9-18-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-11C

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 THREE PLACE DECIMAL ±.002 -.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SWGR-2-C2

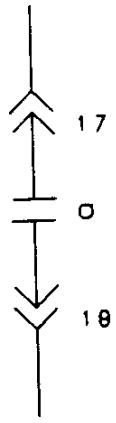
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a1 & b1

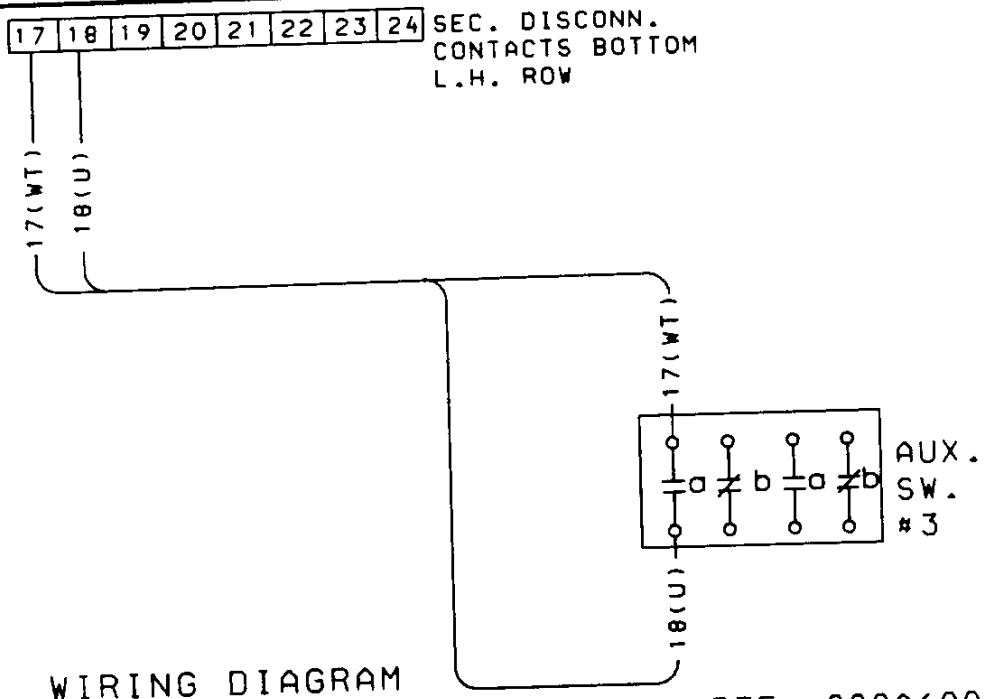
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11C

CADD/POF/10-25-85



SCHEMATIC DIAGRAM



(B) REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-11D

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B	SVGR-3 -C134	08/14/ 85	CHP

PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SVGR-2-C2

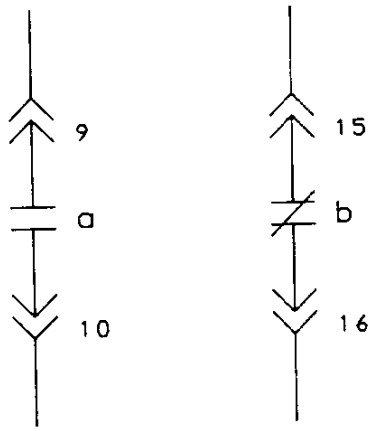
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a1

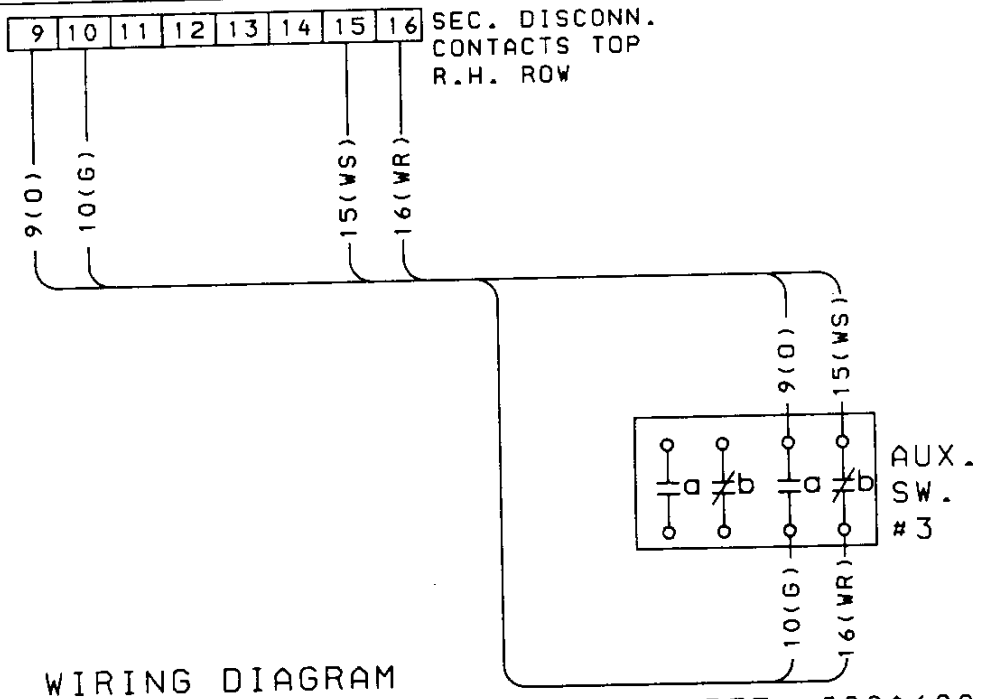
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11D

CADD/CHUCKD/8-14-85



SCHEMATIC DIAGRAM



(B) REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	OLD		10-26-71	SWGR-2-C2

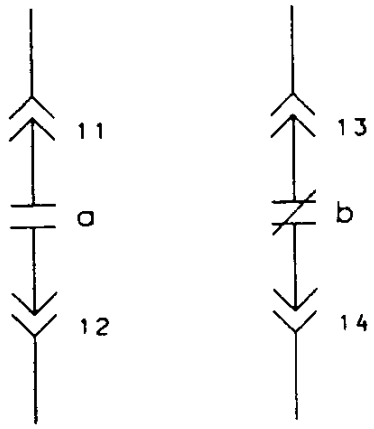
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a2 & b2

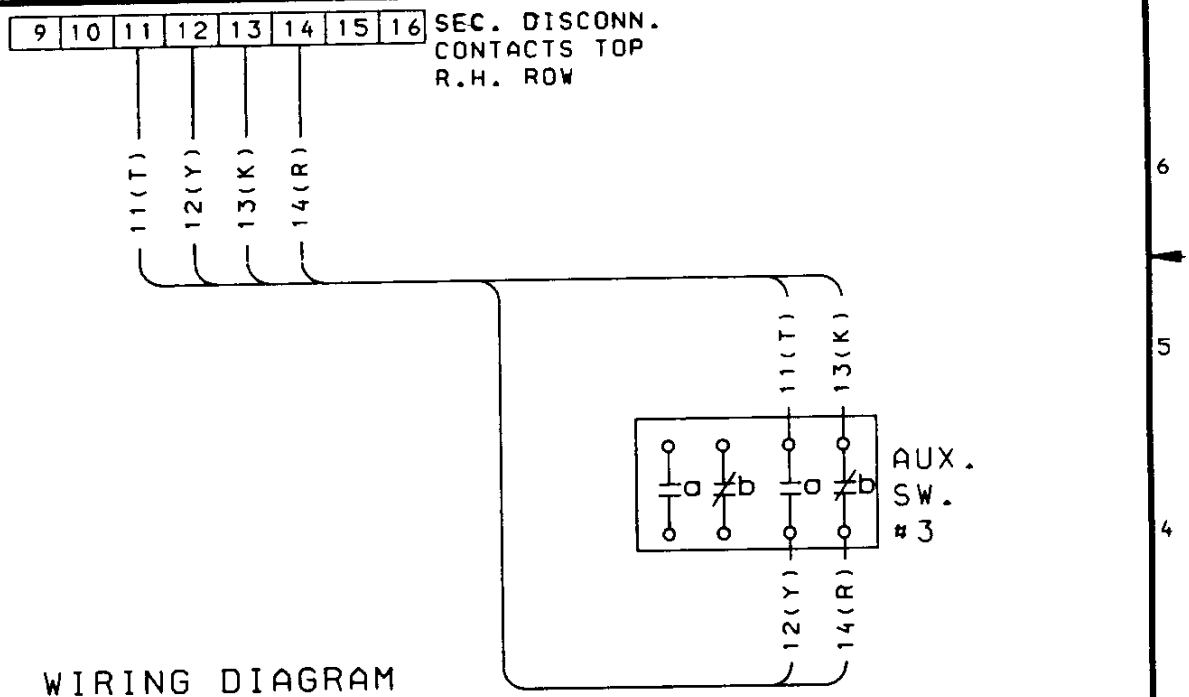
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11E

CADD/CHUCKO/9-85



SCHEMATIC DIAGRAM



(B) REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SVGR-2-C2

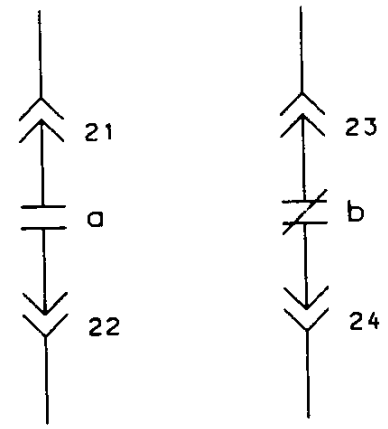
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a2 & b2

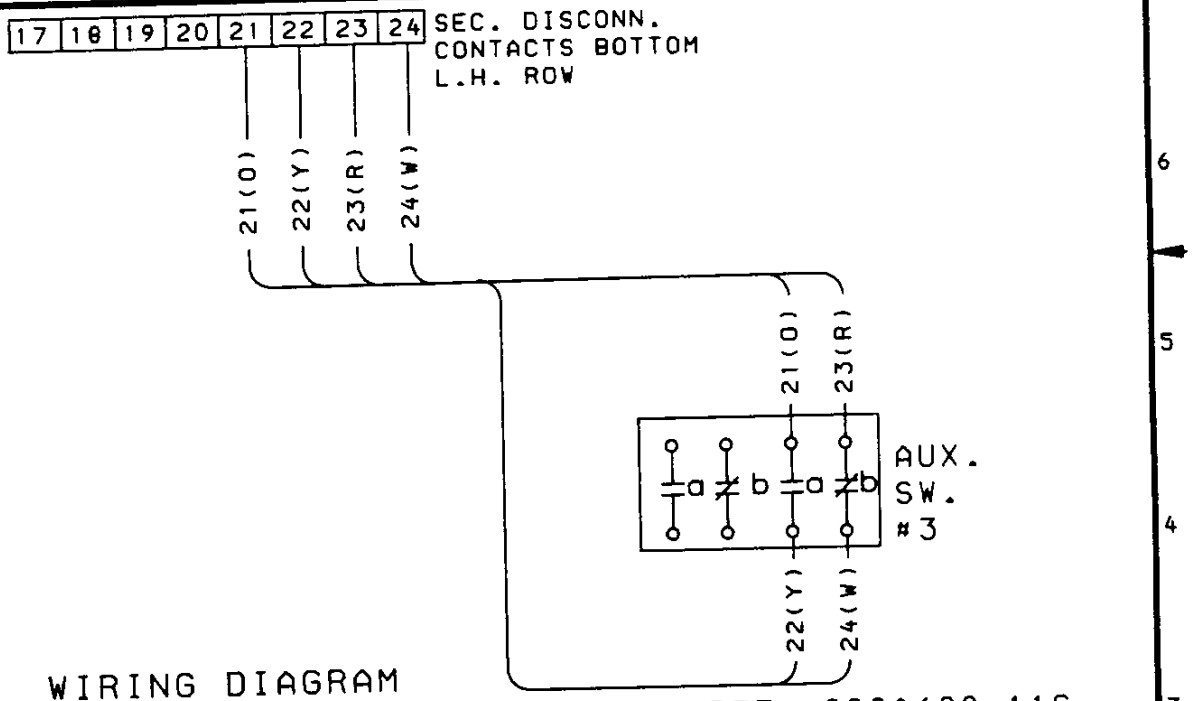
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11F

CADD/CHUCKD/9-10-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-11G

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SV6R-2-C2

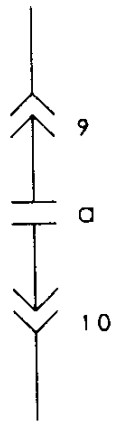
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a2 & b2

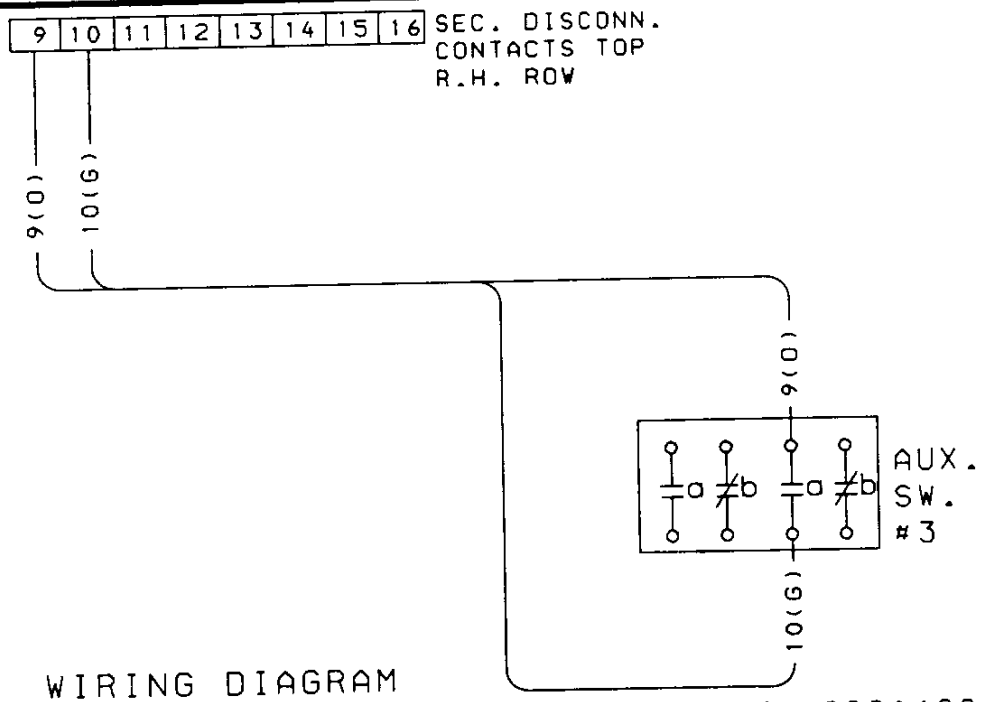
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-11G

CADD/CHUCKD/9-14-85



SCHEMATIC DIAGRAM



(B) REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-11H

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PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
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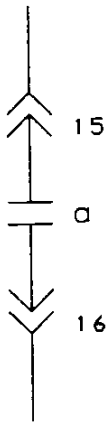
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a2.

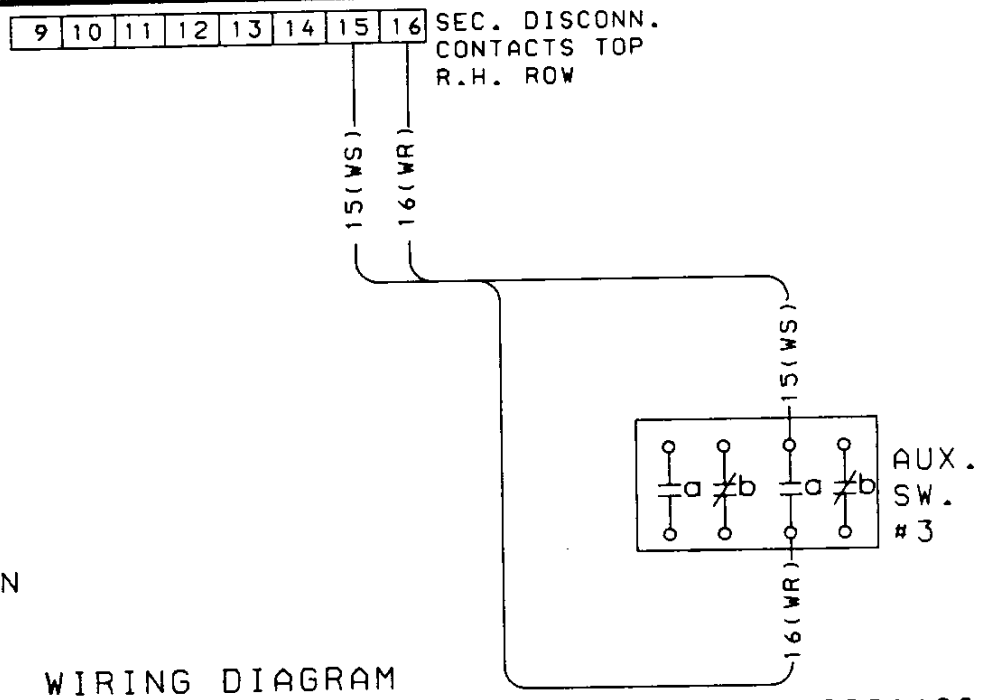
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11H

CADD/CHUCKD/9-10-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

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B	SWGR-3-C13A	10/25/85	POF

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DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

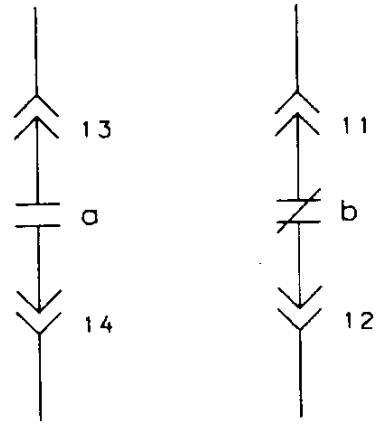
SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SWGR-2-C2

TITLE
DS CIRCUIT BREAKER
AUXILIARY SWITCH #3 a2

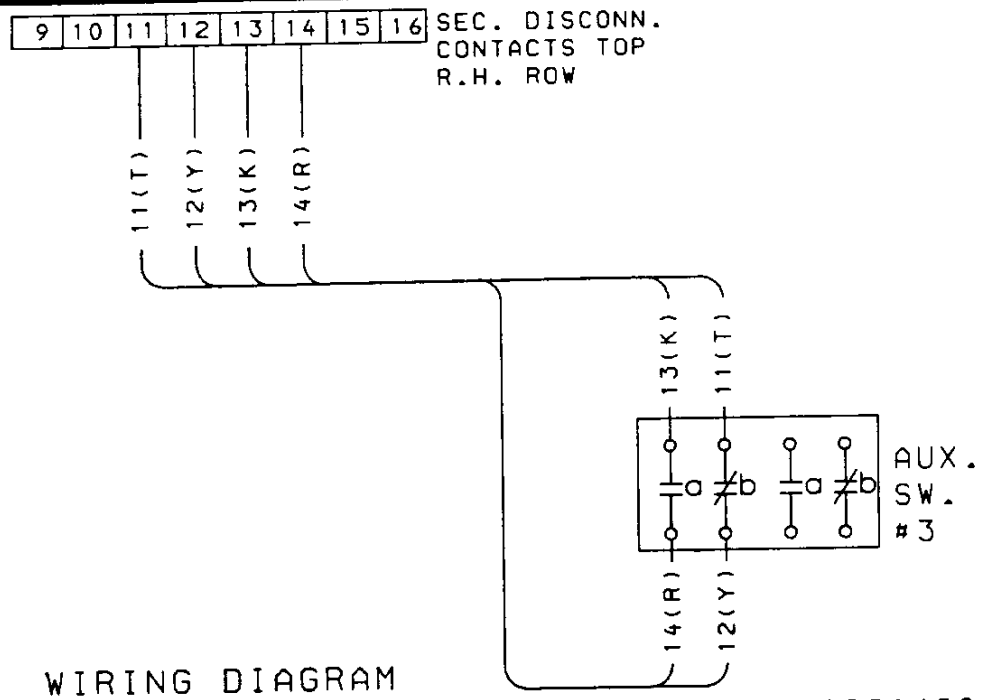
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11I

CADD/POF/10-25-85



SCHEMATIC DIAGRAM



Ⓑ REDRAWN

WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-11J

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CARDS PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1-7-75	SWGR-3-C65

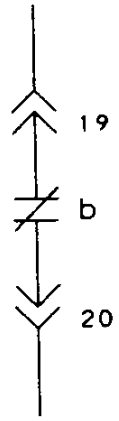
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DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
a1 & b1

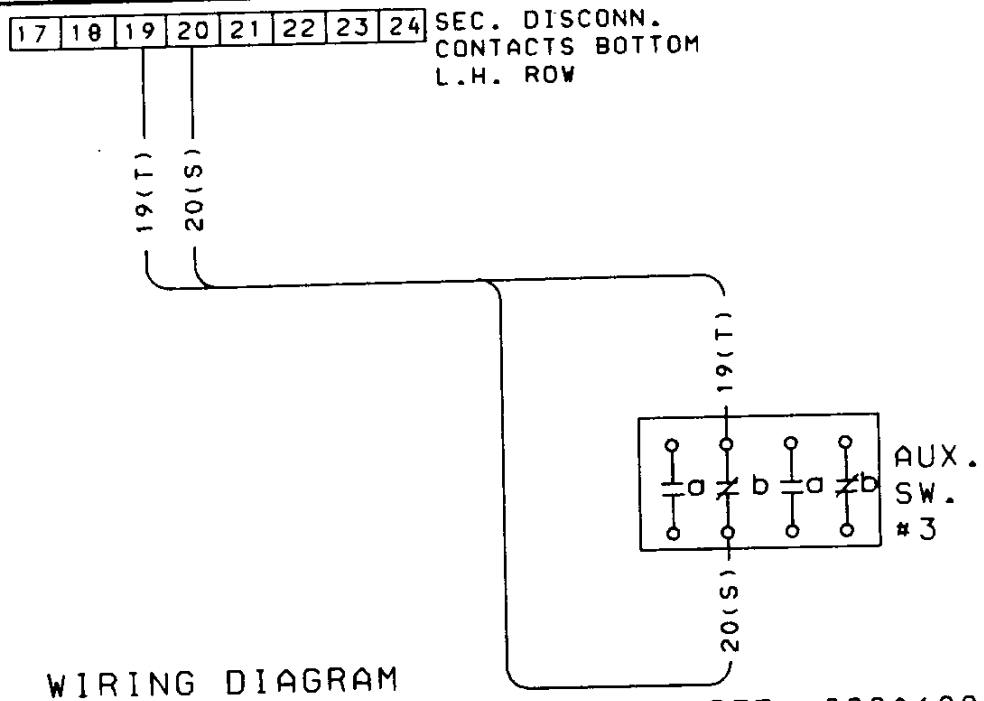
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11J

CADD/CHUCKO/9-18-85



SCHEMATIC DIAGRAM



WIRING DIAGRAM
FRONT VIEW OF BREAKER

Ⓑ REDRAWN

REF. 800A600-11K

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B	SVGR-3-C134	08/14/85	CHP

CARDS PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL-LETTER-OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1-24-75	SVGR-3-C65

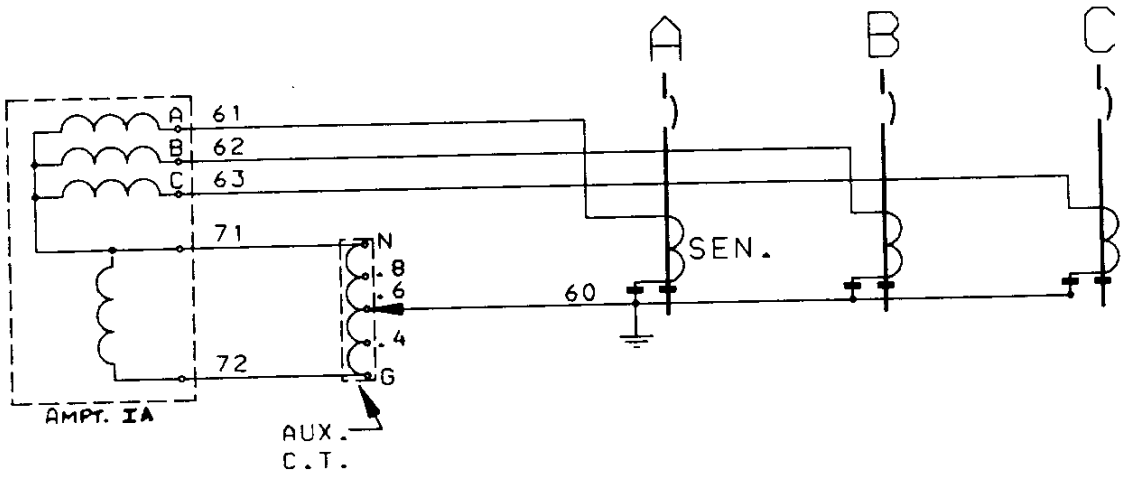
TITLE

DS CIRCUIT BREAKER
AUXILIARY SWITCH #3
b1

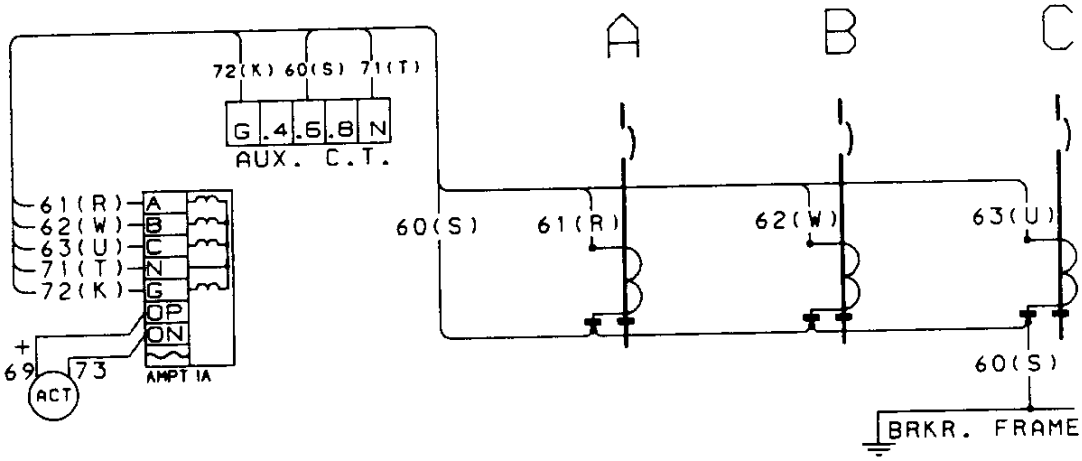
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-11K

CADD/CHUCKD/9-14-85



SCHEMATIC DIAGRAM



ⓓ REDRAWN

REF.
800A600-12A

WIRING DIAGRAM - FRONT VIEW OF BREAKER

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REV.	C.R.	DATE	BY
D	SWGR-3-C134	01-09-87	RLR

CARDS: PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-26-71	SWGR-2-C2

TITLE

DS CIRCUIT BREAKER
AUX. C.T. FOR AMPTECTOR
GROUND ELEMENT 3PH. 3W

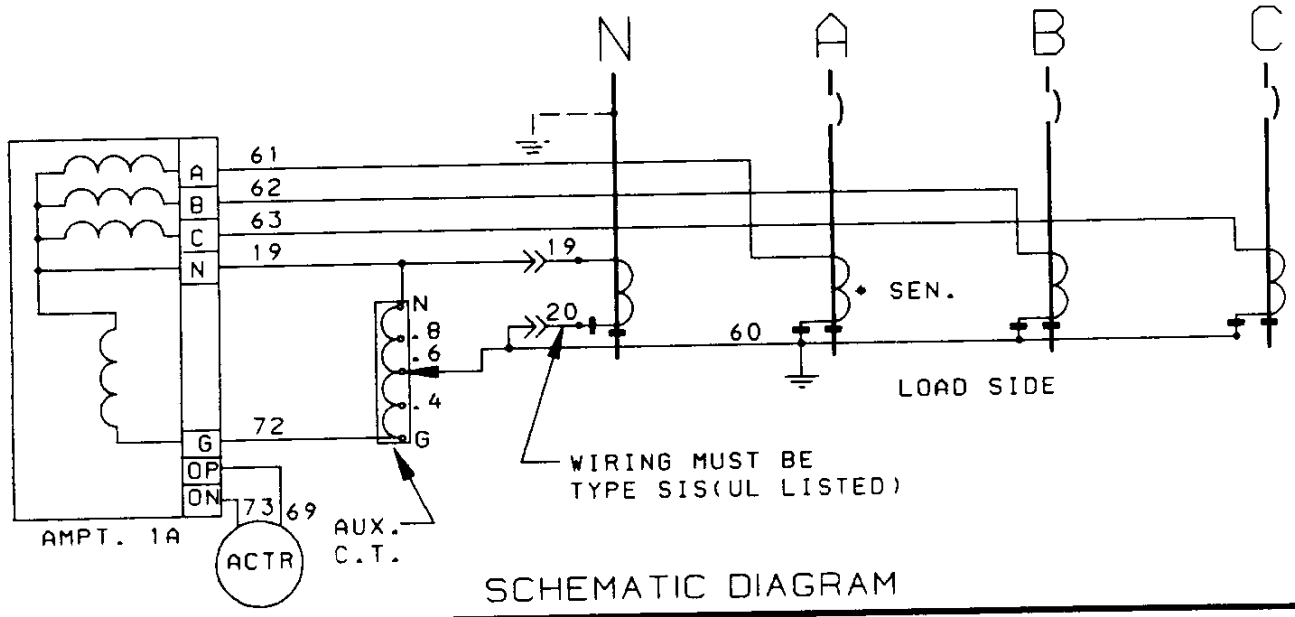
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-12A

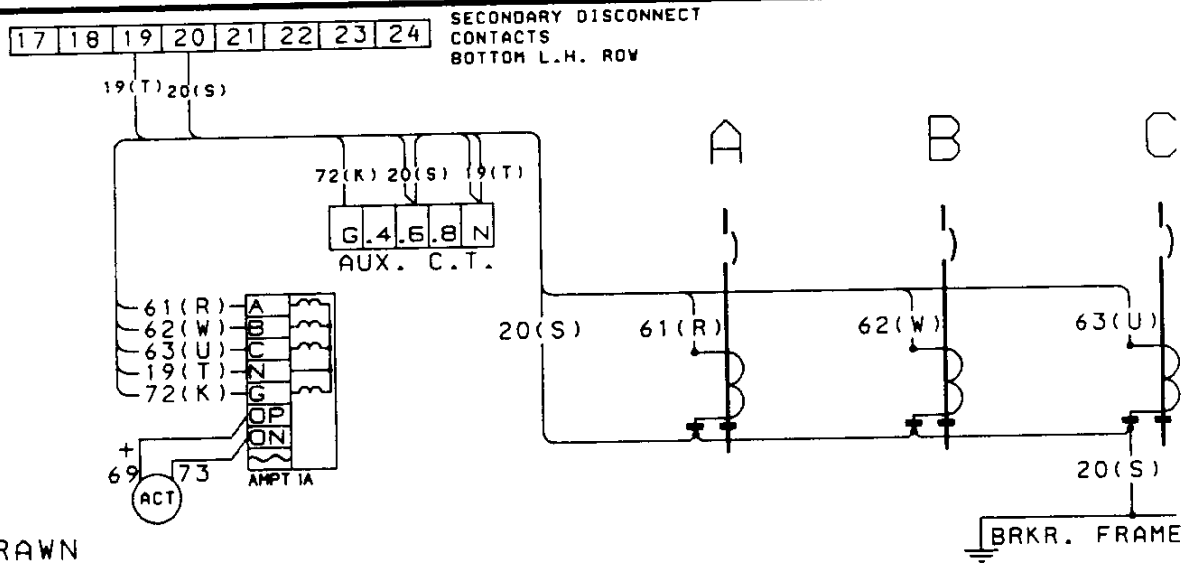
CADD/BSM 02/21/85

DS CIRCUIT BREAKER - SERIES TRIP WITH GROUND CURRENT TRIPPING (WITH NEUTRAL CONNECTION).

NOTE: USED WITH FEEDER BREAKERS OR MAINS WITH THE SENSOR MOUNTED ON THE NEUTRAL, DOWNSTREAM FROM THE POINT ON THE NEUTRAL WHERE THE BOND TO GROUND IS CONNECTED. PHASING OF #19 & #20 TO SENSOR POLARITY (AS SHOWN) IS IMPORTANT.



SCHEMATIC DIAGRAM



ⓖREDRAWN

REF.
800A600-12B

WIRING DIAGRAM - FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL
CHANGES TO THIS DOCUMENT MUST BE MADE VIA ITS STORED DATA BASE

REV.	C.R.	DATE	BY
G	SVGR-3-C134	1-9-87	RLR

CARDS PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-27-71	SVGR-2-C2

TITLE

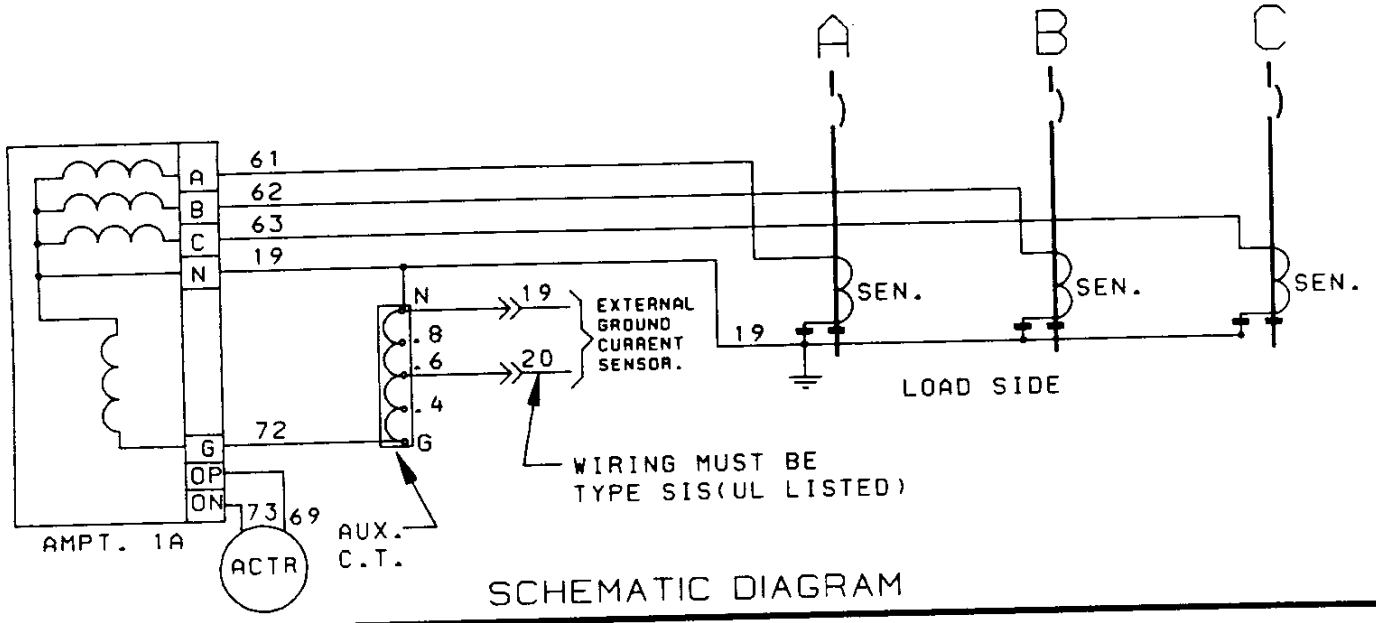
DS CIRCUIT BREAKER
AUX. C.T. FOR AMPTECTOR
GROUND ELEMENT
3 PH, 4W

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

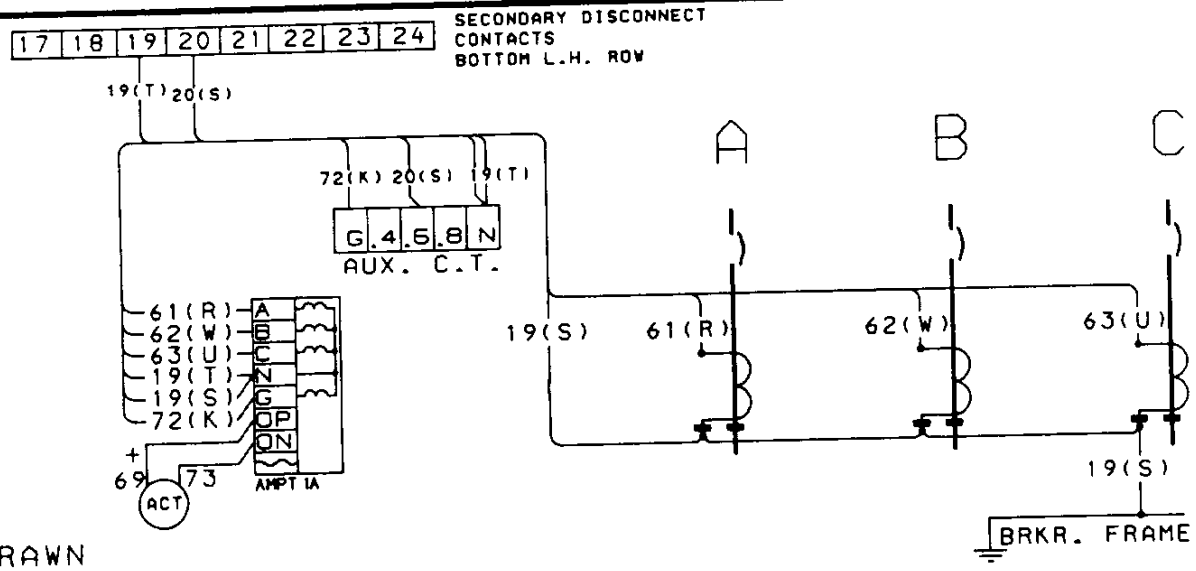
FIG. NO.
A44025-167-12B

CADD/BSH 02/21/85

DS CIRCUIT BREAKER - SERIES TRIP WITH GROUND - EXTERNAL GROUND CURRENT SENSING.
NOTE: USED WITH MAIN AND TIE BREAKERS ONLY. SENSOR IS LOCATED IN BONDING BUS BETWEEN NEUTRAL AND GROUND, OR ON NEUTRAL AT THE POINT AT WHICH THE BOND IS CONNECTED TO THE NEUTRAL ON DOUBLE ENDED SUBSTATIONS.
PHASING OF #19 & #20 TO SENSOR POLARITY IS UNIMPORTANT.



SCHEMATIC DIAGRAM



Ⓕ REDRAWN

REF.
800A600-12C

WIRING DIAGRAM - FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL
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REV.	C.R.	DATE	BY
F	SVGR-3-C134	1-9-87	RLR

CARDS ~~PRINTS~~ TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-27-71	SVGR-2-C2

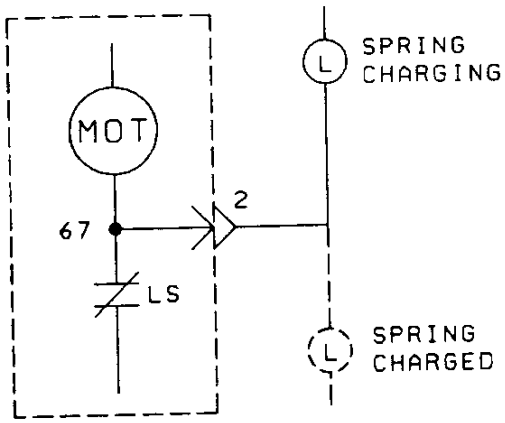
TITLE

DS CIRCUIT BREAKER
AUX. C.T. FOR AMPTECTOR
GROUND ELEMENT -
EXTERNAL GROUND CURRENT

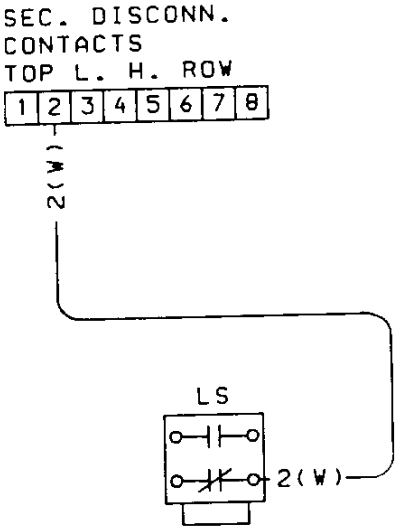
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-12C

CADD/BSM 02/21/85



SCHEMATIC DIAGRAM



REF. 800A600-13A

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WIRING DIAGRAM FRONT VIEW OF BREAKER

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C	SVGR-3-C134	1-13-87	RLR

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-27-71	SVGR-2-C2

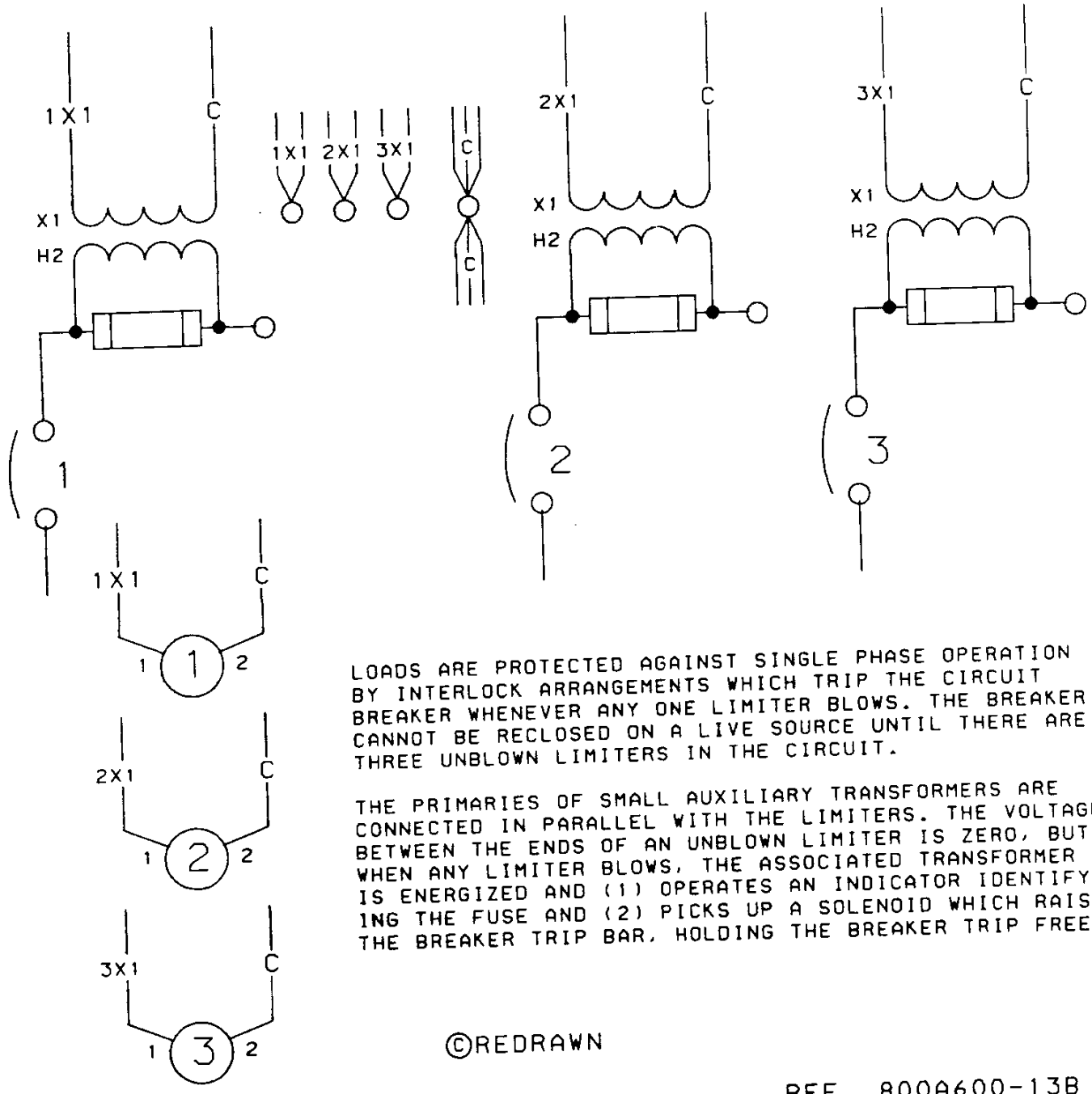
TITLE
DS CIRCUIT BREAKER -
SPRING CHARGING INDICATION OR
SPRING CHARGED INDICATION.

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-13A

CARDS PRINTS TO

CADD/CHUCKD/9-3-85



LOADS ARE PROTECTED AGAINST SINGLE PHASE OPERATION BY INTERLOCK ARRANGEMENTS WHICH TRIP THE CIRCUIT BREAKER WHENEVER ANY ONE LIMITER BLOWS. THE BREAKER CANNOT BE RECLOSED ON A LIVE SOURCE UNTIL THERE ARE THREE UNBLOWN LIMITERS IN THE CIRCUIT.

THE PRIMARIES OF SMALL AUXILIARY TRANSFORMERS ARE CONNECTED IN PARALLEL WITH THE LIMITERS. THE VOLTAGE BETWEEN THE ENDS OF AN UNBLOWN LIMITER IS ZERO, BUT WHEN ANY LIMITER BLOWS, THE ASSOCIATED TRANSFORMER IS ENERGIZED AND (1) OPERATES AN INDICATOR IDENTIFYING THE FUSE AND (2) PICKS UP A SOLENOID WHICH RAISES THE BREAKER TRIP BAR, HOLDING THE BREAKER TRIP FREE.

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REF. 800A600-13B

SOLENOIDS & MECH. INDICATORS

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REV.	C.R.	DATE	BY
C	SVGR-3-C13A	06/04/86	BSM

CAROS. PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	GH		1-7-75	SVGR-3-C65

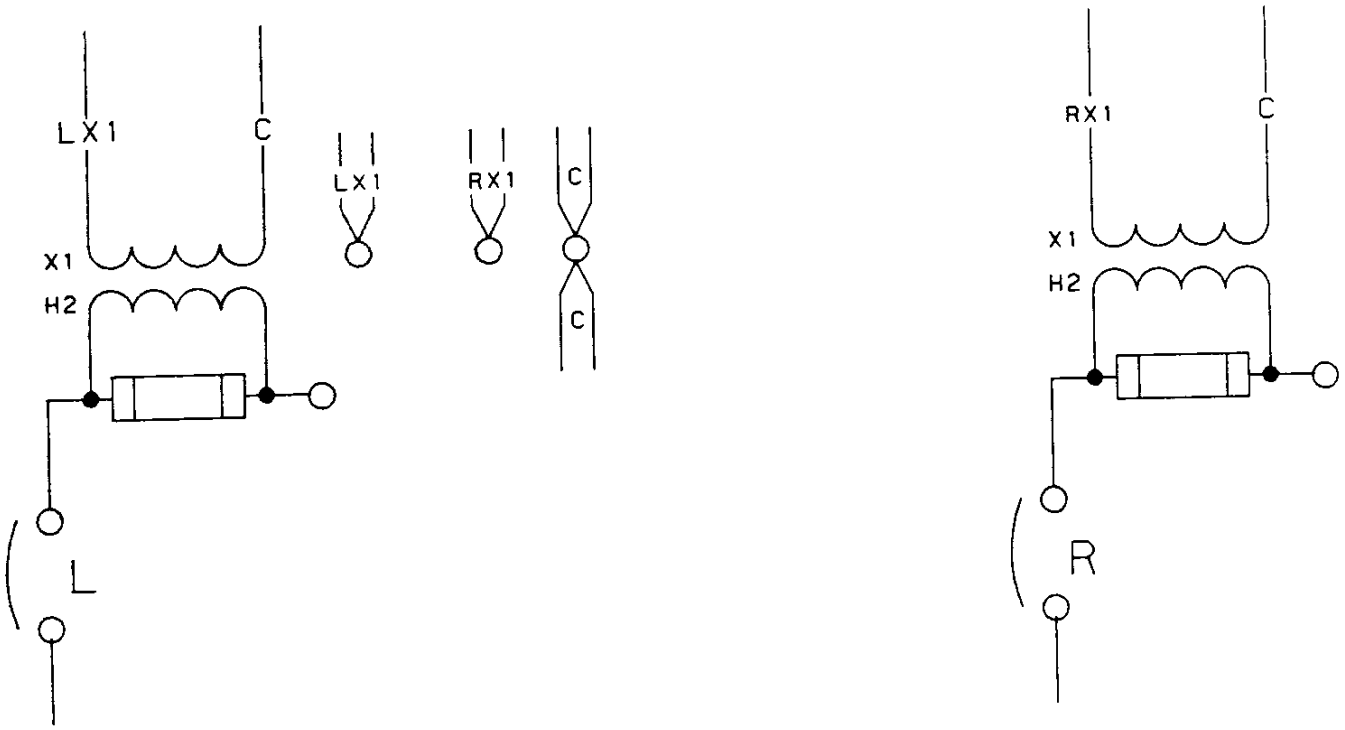
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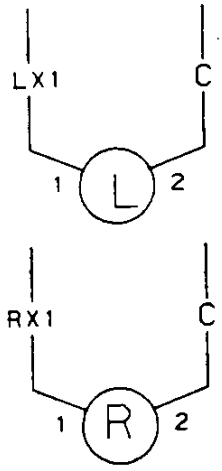
DS CIRCUIT BREAKER
BLOWN LIMITER INDICATOR
(3 POLE)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-13B

CADD/BRAD 06-04-86





LOADS ARE PROTECTED AGAINST SINGLE PHASE OPERATION BY INTERLOCK ARRANGEMENTS WHICH TRIP THE CIRCUIT BREAKER WHENEVER ANY ONE LIMITER BLOWS. THE BREAKER CANNOT BE RECLOSED ON A LIVE SOURCE UNTIL THERE ARE TWO UNBLOWN LIMITERS IN THE CIRCUIT.

THE PRIMARIES OF SMALL AUXILIARY TRANSFORMERS ARE CONNECTED IN PARALLEL WITH THE LIMITERS. THE VOLTAGE BETWEEN THE ENDS OF AN UNBLOWN LIMITER IS ZERO, BUT WHEN ANY LIMITER BLOWS, THE ASSOCIATED TRANSFORMER IS ENERGIZED AND (1) OPERATES AN INDICATOR IDENTIFYING THE FUSE AND (2) PICKS UP A SOLENOID WHICH RAISES THE BREAKER TRIP BAR, HOLDING THE BREAKER TRIP FREE.

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REF. 800A600-13C

SOLENOIDS & MECH. INDICATORS

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REV.	C.R.	DATE	BY
C	SWGR-3-C134	1-13-87	RLR

CARDS PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1-8-75	SWGR-3-C65

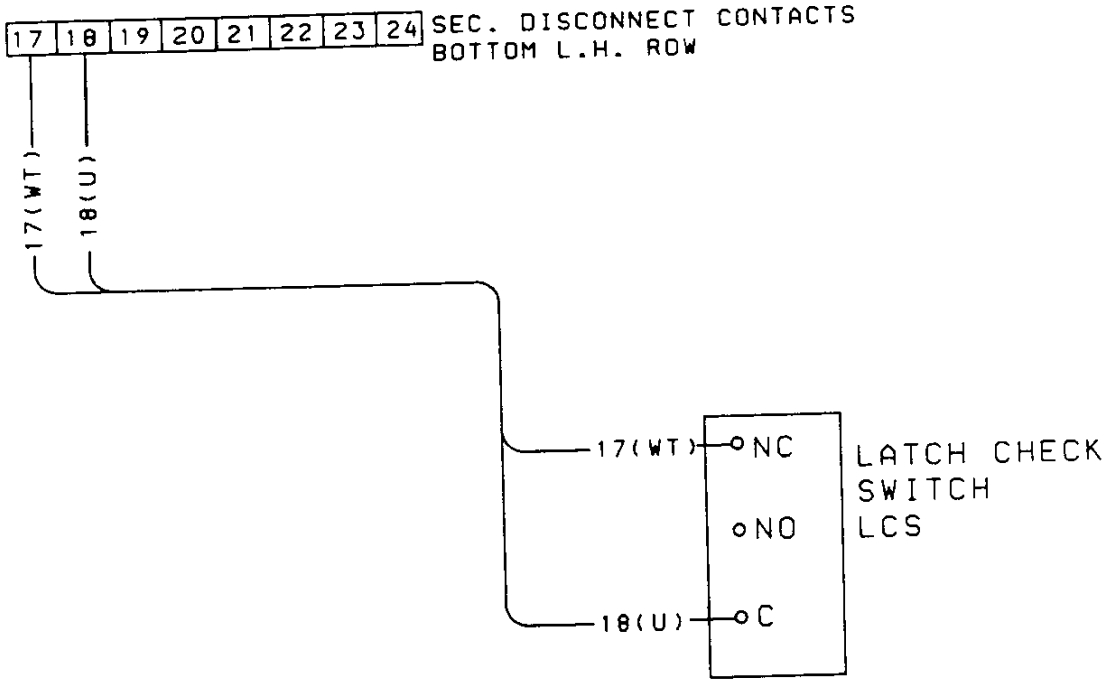
TITLE

DS CIRCUIT BREAKER
BLOWN LIMITER INDICATOR
(2 POLE)

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-13C

CADD/BRAD 06-04-96



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-13D

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REV.	C.R.	DATE	BY
B	SVGR-3-C134	1-14-87	RLR

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1-8-75	SVGR-3-C65

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

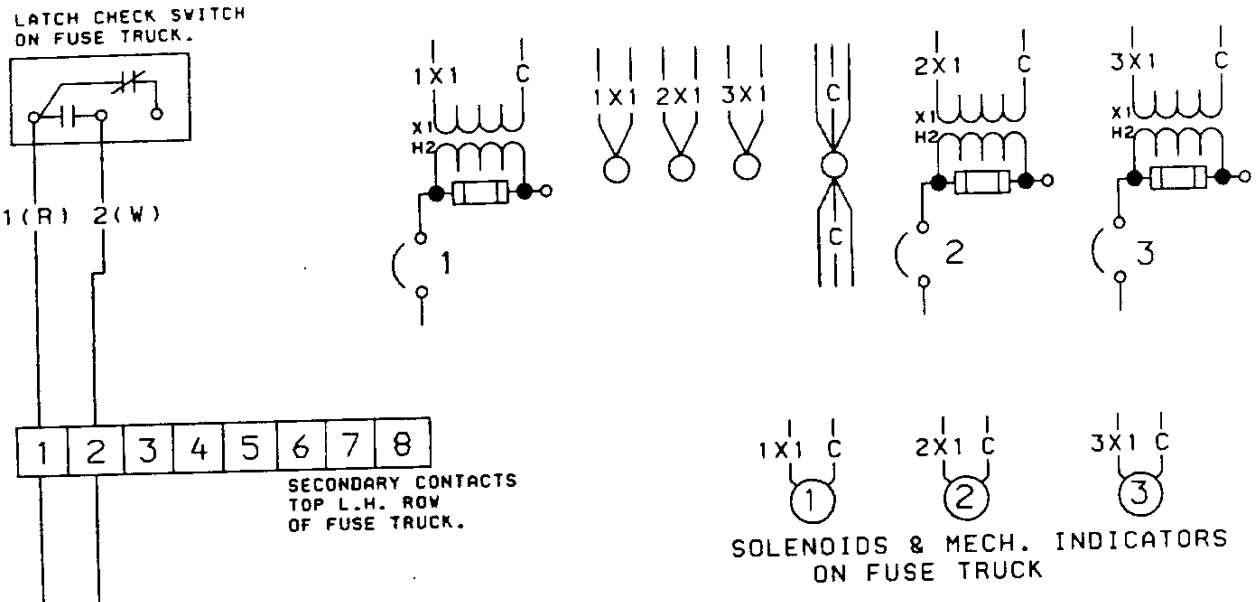
TITLE

DS CIRCUIT BREAKER
LATCH CHECK SWITCH
N.C. CONTACT

FIG. NO.
A44025-167-13D

CARDS PRINTS TO

CADD/CHUCKO/A-10-85



LOADS ARE PROTECTED AGAINST SINGLE PHASE OPERATION BY INTERLOCK ARRANGEMENTS WHICH TRIP THE CIRCUIT BREAKER WHENEVER ANY ONE LIMITER BLOWS. THE BREAKER CANNOT BE RECLOSED ON A LIVE SOURCE UNTIL THERE ARE THREE UNBLOWN LIMITERS IN THE CIRCUIT.

THE PRIMARIES OF SMALL AUXILIARY TRANSFORMERS ARE CONNECTED IN PARALLEL WITH THE LIMITERS. THE VOLTAGE BETWEEN THE ENDS OF AN UNBLOWN LIMITER IS ZERO, BUT WHEN ANY LIMITER BLOWS, THE ASSOCIATED TRANSFORMER IS ENERGIZED AND (1) OPERATES AN INDICATOR IDENTIFYING THE FUSE AND (2) PICKS UP A SOLENOID WHICH OPERATES A MICRO SWITCH (LATCH CHECK SWITCH) WHICH TRIPS THE BREAKER ELECTRICALLY THRU A SHUNT TRIP COIL.

NOTE:
SHUNT TRIP OR RELIABLE TRIPPING SOURCE REQUIRED ON ASSOC. BREAKER.

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REF. 800A600-13E

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E	SVGR-3-C134	1-14-87	RLR

CARDS PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	GH		1-29-75	SVGR-3-C65

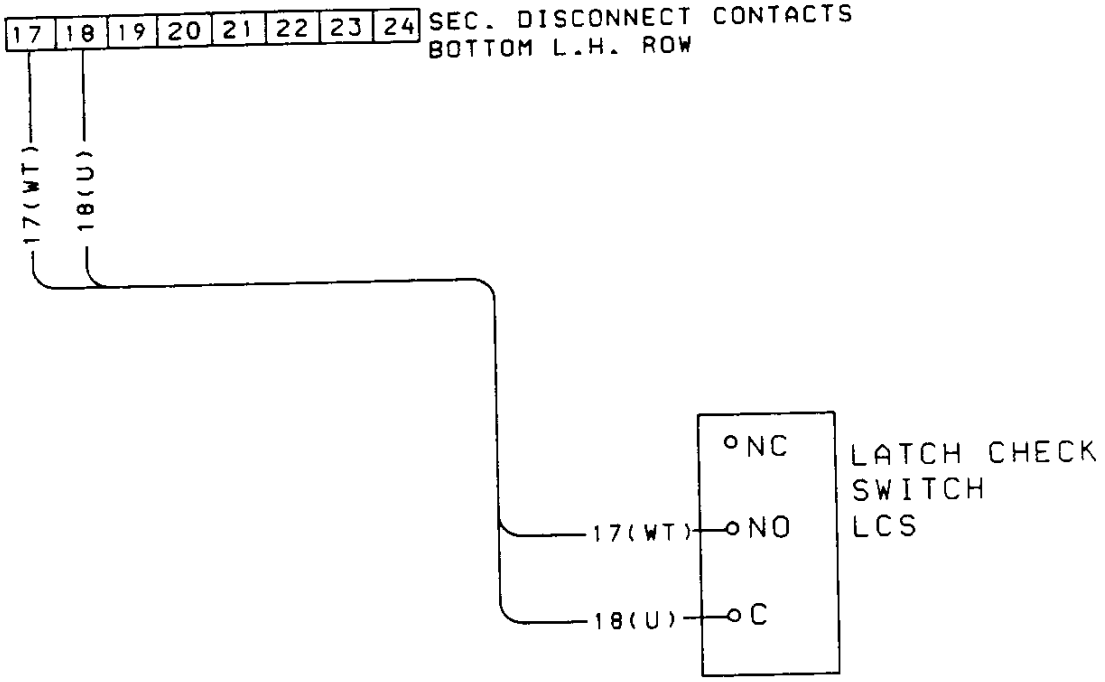
TITLE

DSL-632 & DSL-840
LIMITER TRUCK AND
BREAKER WIRING

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-13E

CADD/BRAD 06-04-86



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WIRING DIAGRAM
FRONT VIEW OF BREAKER

REF. 800A600-13F

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CARDS PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1-8-75	SWGR-3-C65

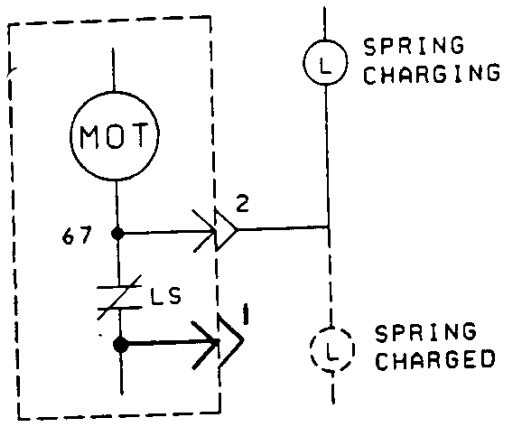
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DS CIRCUIT BREAKER
LATCH CHECK SWITCH
N.O CONTACT

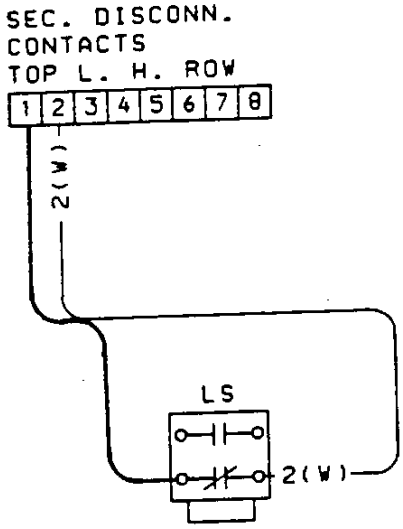
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 60

FIG. NO.
A44025-167-13F

CADD/CHUCKD/9-18-85



SCHEMATIC DIAGRAM



REF. 800A600-13A

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WIRING DIAGRAM FRONT VIEW OF BREAKER

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C	SVGR-3-C134	1-13-87	RLR

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	DLD		10-27-71	SVGR-2-C2

PRINTS TO

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TITLE

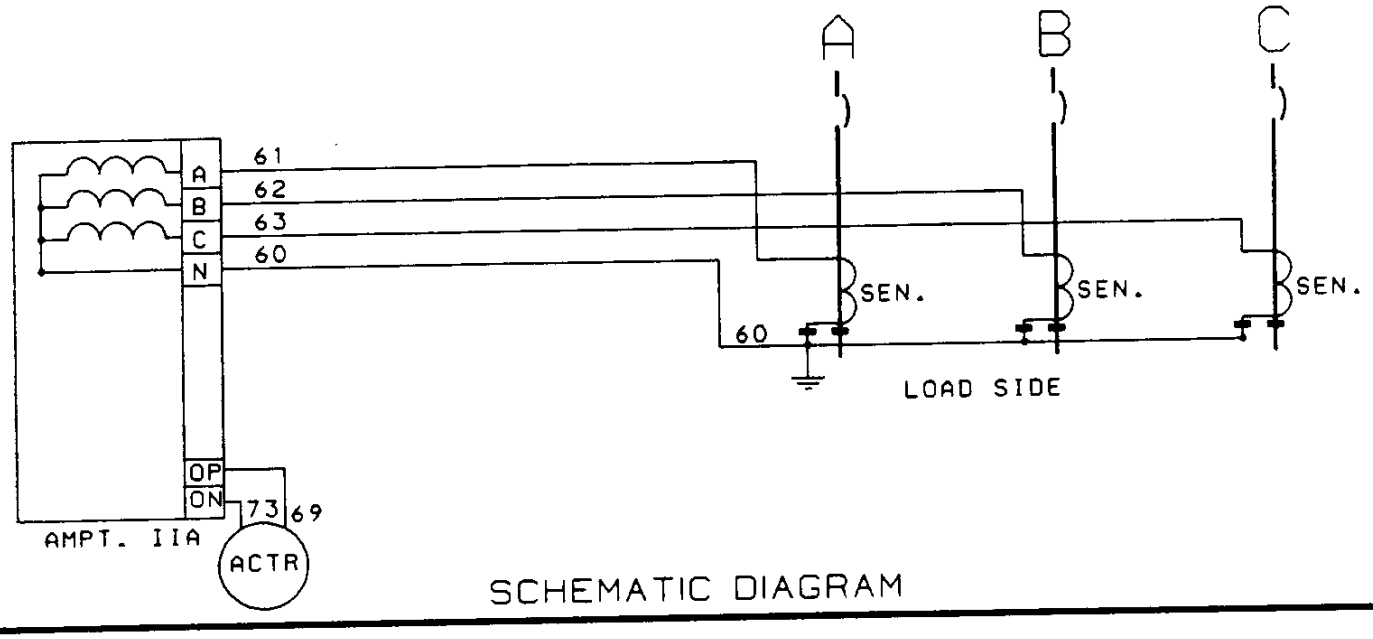
DS CIRCUIT BREAKER -
SPRING CHARGING INDICATION OR
SPRING CHARGED INDICATION.

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

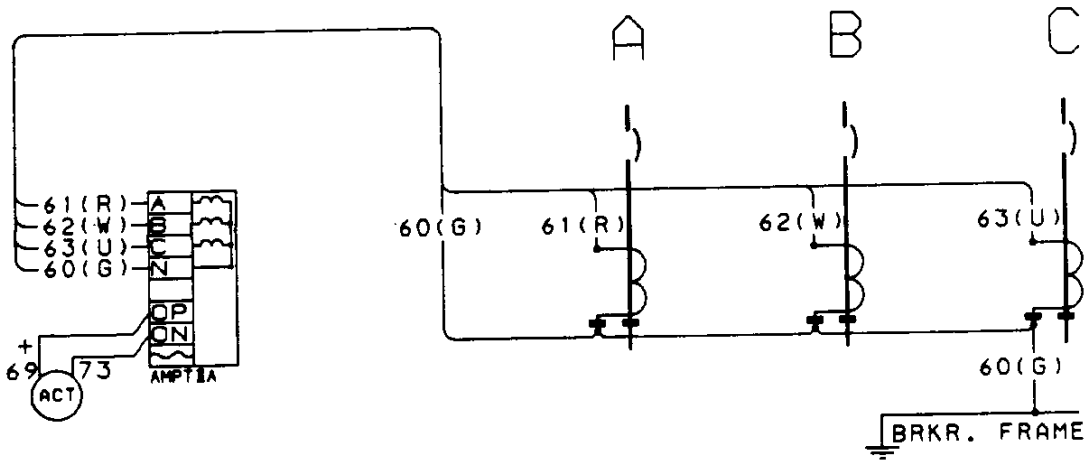
FIG. NO.

A44025-167-13G

CADD/CHUCKD/9-3-85



SCHEMATIC DIAGRAM



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REF.
800A600-14A

WIRING DIAGRAM - FRONT VIEW OF BREAKER

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C	SVGR-3-C134	1-14-87	RLR

CARDS ~~PRINTS~~ TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	RDS		1-9-75	SVGR-3-C65

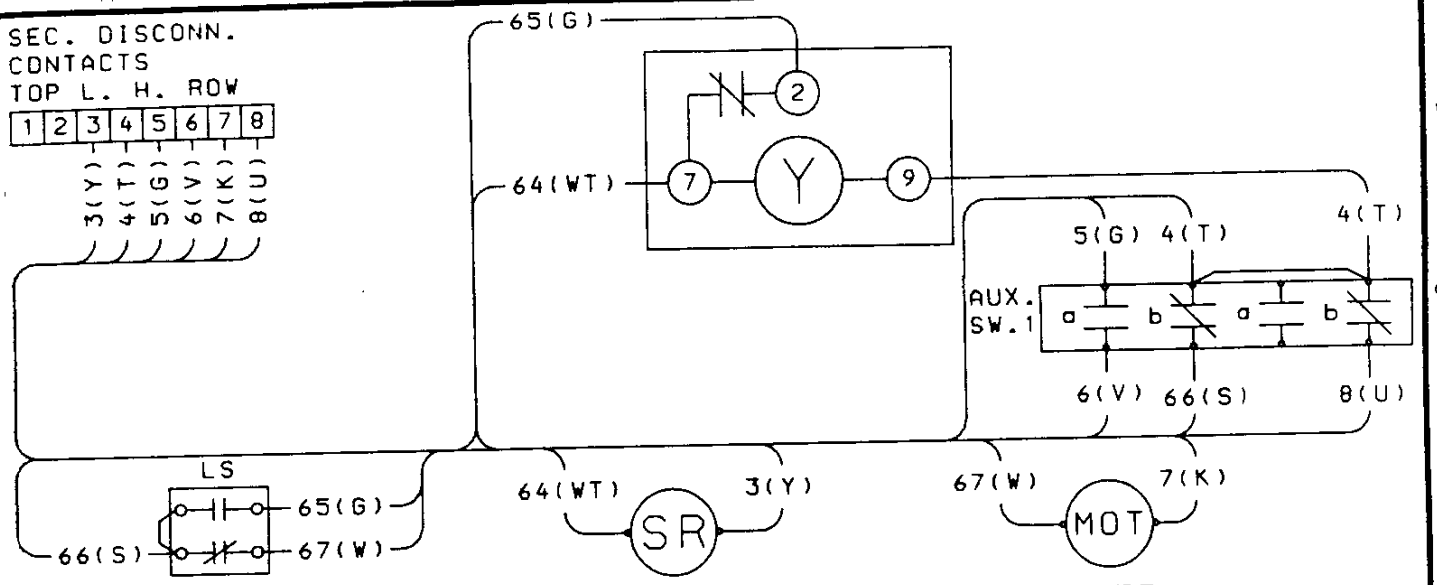
TITLE

DS CIRCUIT BREAKER
SERIES TRIP AMPTECTOR IIA,
3 POLE

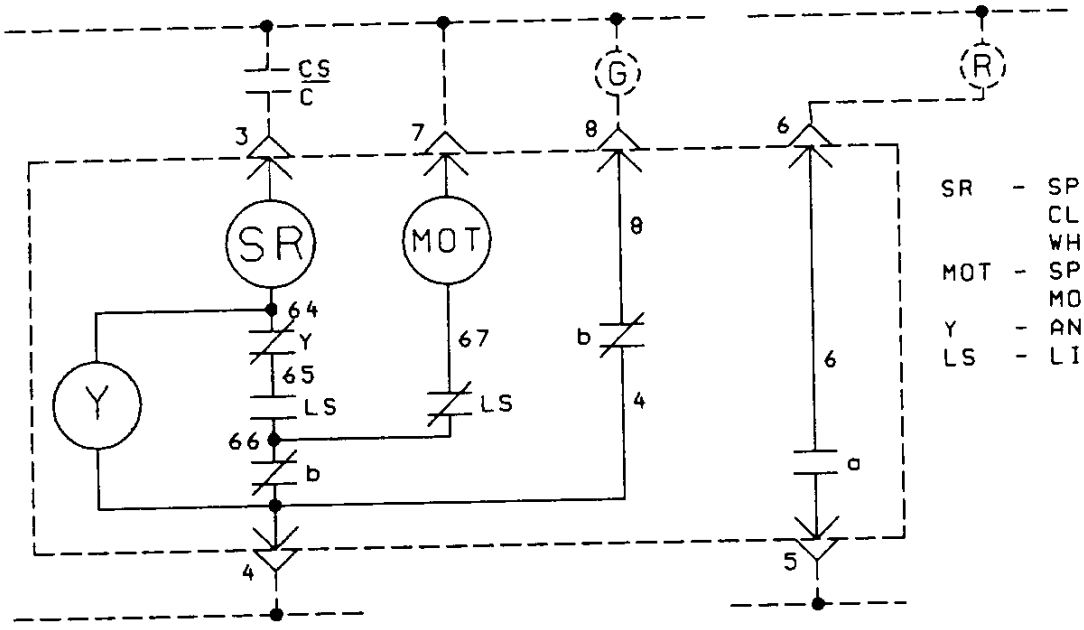
SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-14A

CADD/BSM 02/21/83



WIRING DIAGRAM FRONT VIEW OF BREAKER



SR - SPRING RELEASE CLOSES BREAKER WHEN ENERGIZED.
MOT - SPRING CHARGING MOTOR.
Y - ANTI-PUMP RELAY
LS - LIMIT SWITCH.

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SCHEMATIC DIAGRAM

REF. 800A600-15A

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A	SVGR-3-C134	1-15-87	RLR

CAROS ~~PRINTS~~ TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
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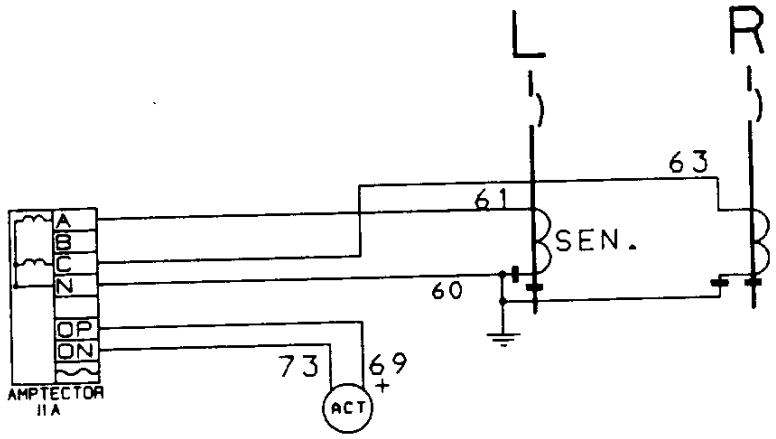
TITLE

DS CIRCUIT BREAKER
POWER OPERATED MECHANISM
WITHOUT SHUNT TRIP

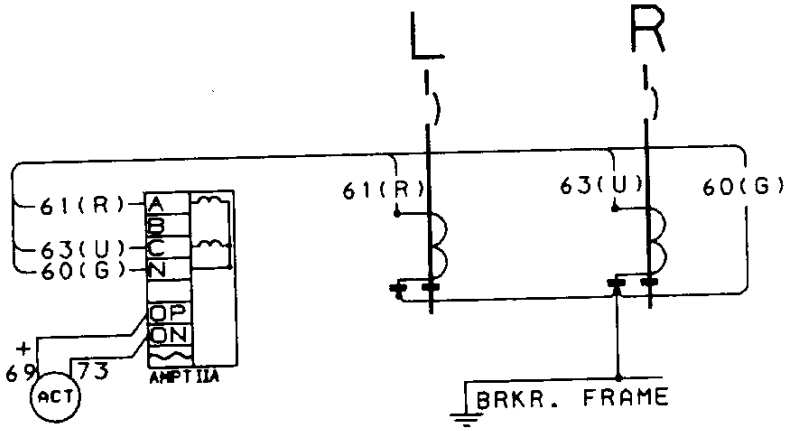
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FIG. NO.
A44025-167-15A

CADD/CHUCKD/9-4-85



SCHEMATIC DIAGRAM 2-POLE



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800A600-14B

WIRING DIAGRAM - FRONT VIEW OF BREAKER

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C	SVGR-3-C134	1-14-87	RLR

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 -.002 THREE PLACE DECIMAL ±.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
N.T.S.	RDS		1-9-75	SVGR-3-C65

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

TITLE

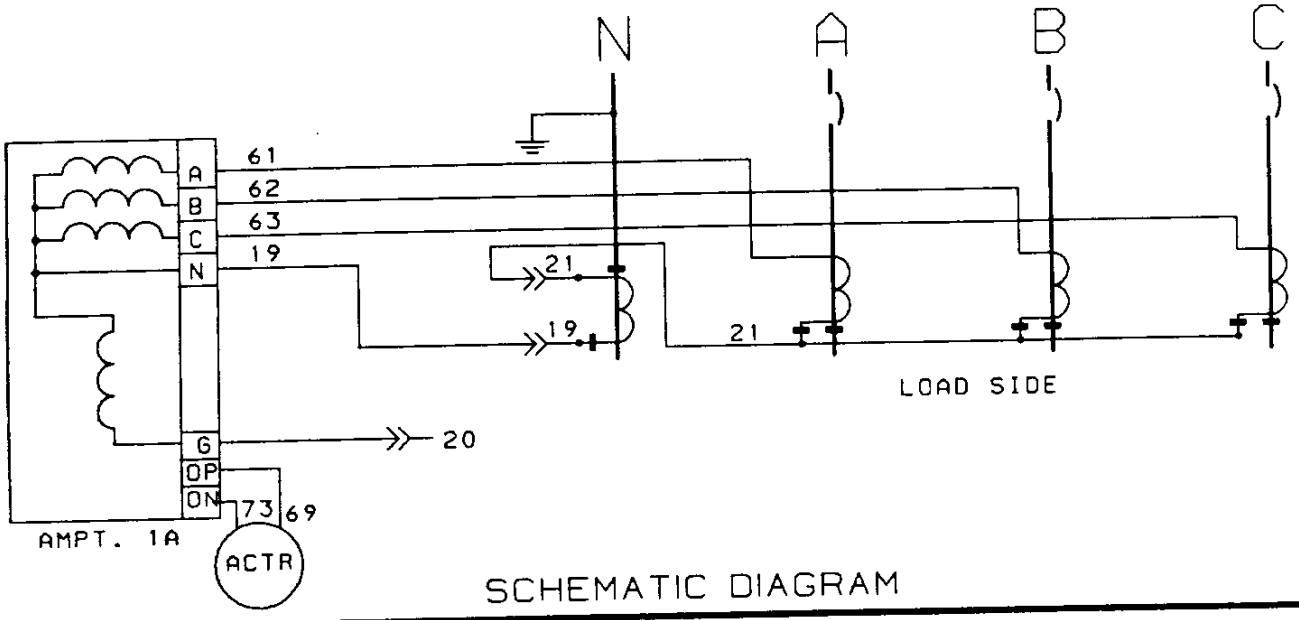
DS CIRCUIT BREAKER SERIES TRIP AMPTECTOR IIA, 2 POLE

FIG. NO.
A44025-167-14B

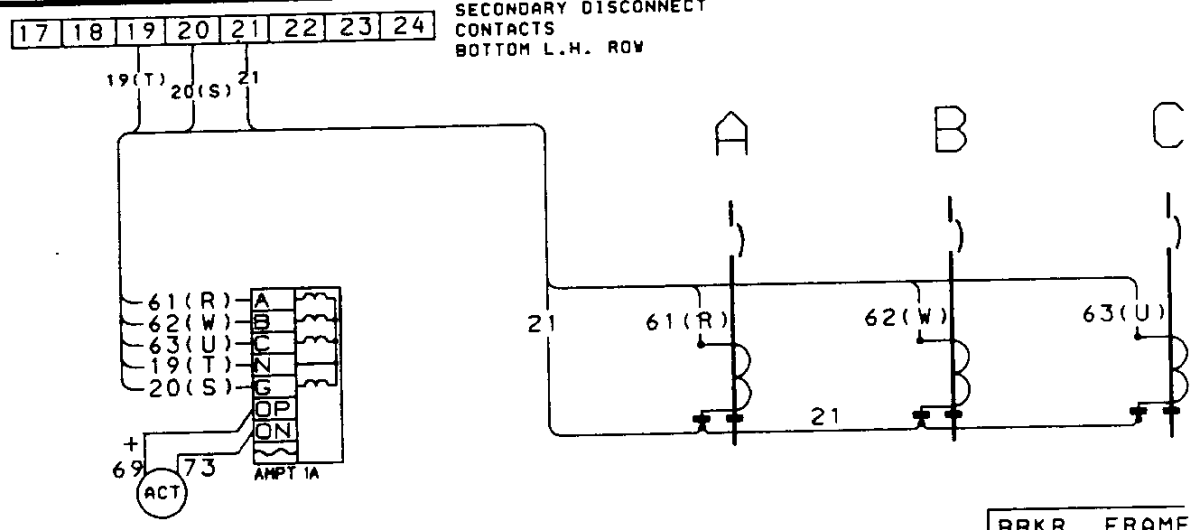
CARDS: ~~PRINTS~~ TO

CADD/CHUCKO/8-30-85

DS CIRCUIT BREAKER - SERIES TRIP WITH GROUND CURRENT TRIPPING (WITH NEUTRAL CONNECTION).
NOTE: USED WITH FEEDER BREAKERS OR MAINS WITH THE SENSOR MOUNTED ON THE NEUTRAL, DOWNSTREAM FROM THE POINT ON THE NEUTRAL WHERE THE BOND TO GROUND IS CONNECTED. PHASING OF #19 & #21 TO SENSOR POLARITY (AS SHOWN) IS IMPORTANT. USED WITH PBD 40044, PAGES 3, 6 AND 7.



SCHEMATIC DIAGRAM



(B) REDRAWN

REF.
800A600-17A

WIRING DIAGRAM - FRONT VIEW OF BREAKER

ELECTRONIC ORIGINAL CHANGES TO THIS DOCUMENT MUST BE MADE VIA ITS STORED DATA BASE			
REV.	C.R.	DATE	BY
B	SWGR-3-C134	1-15-87	RLR

CARDS PRINTS TO

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		
	LINEAL DIM.	TWO PLACE DECIMAL ± .020 THREE PLACE DECIMAL ± .005
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL +.004 THREE PLACE DECIMAL ±.002 -.002
	ANGLE	DIMENSIONED ±1° UNDIMENSIONED 90° ±2

SCALE	DRAWN	CHKD.	DATE	C.R.
NTS	GH		4-10-80	SWGR-6-C12

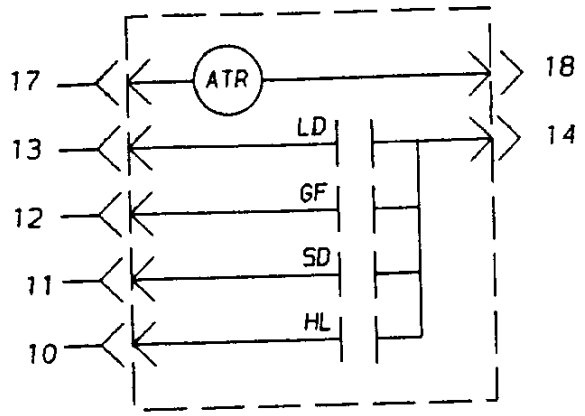
TITLE
DS CIRCUIT BREAKER SERIES TRIP WITH SPECIAL GROUND WIRING FOR USE ON MULTIPLE GROUND DOUBLE ENDED SUBSTATIONS

SQUARE D COMPANY
POWER EQUIPMENT DIVISION 68

FIG. NO.
A44025-167-17A

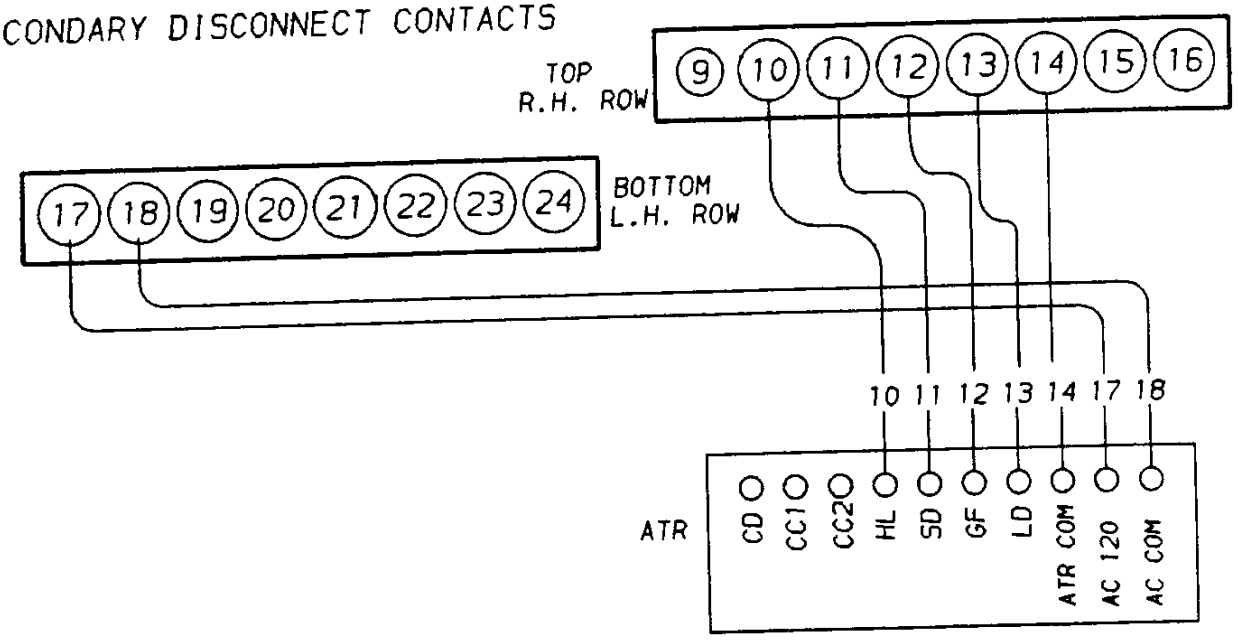
CADD/BSH 02/2-185

REV	KEY	BY	DATE



SCHEMATIC DIAGRAM

SECONDARY DISCONNECT CONTACTS



REF:
508B508-18A

WIRING DIAGRAM-FRONT VIEW OF BREAKER

JOB TITLE: DIGITRIP RMS 600-ATR/POWER WIRING	MFG. LOC: MDTWN
JOB LOCATION: .	DRAWN BY: KCS
CUSTOMER: .	ENG'R BY: J.RAMMEL
CUSTOMER ORDER # . FACTORY ORDER # ----	DATE: 10-19-89

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SQUARE D COMPANY
POWER EQUIPMENT DIVISION

A 44025-167-18A

APPROVAL RECORD