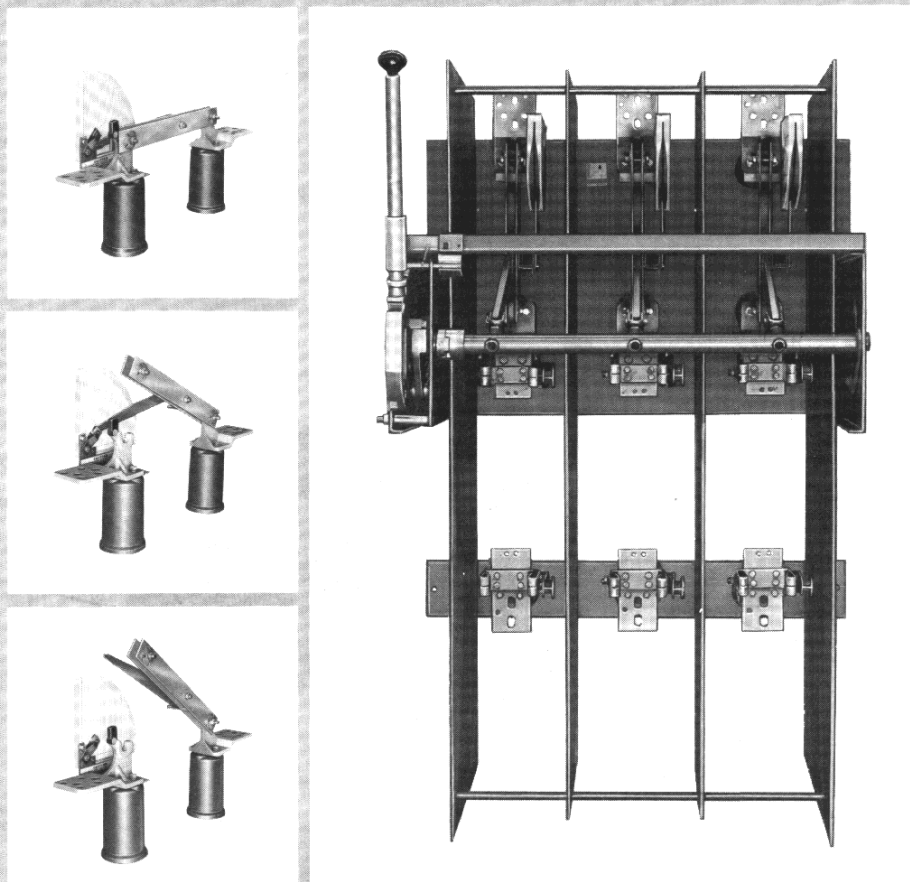


Class 9841
(Formerly Class 9871)
MARCH, 1984



1200 Ampere 5.0kV and 15.0 kV HVL Load Interrupter Switch

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HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

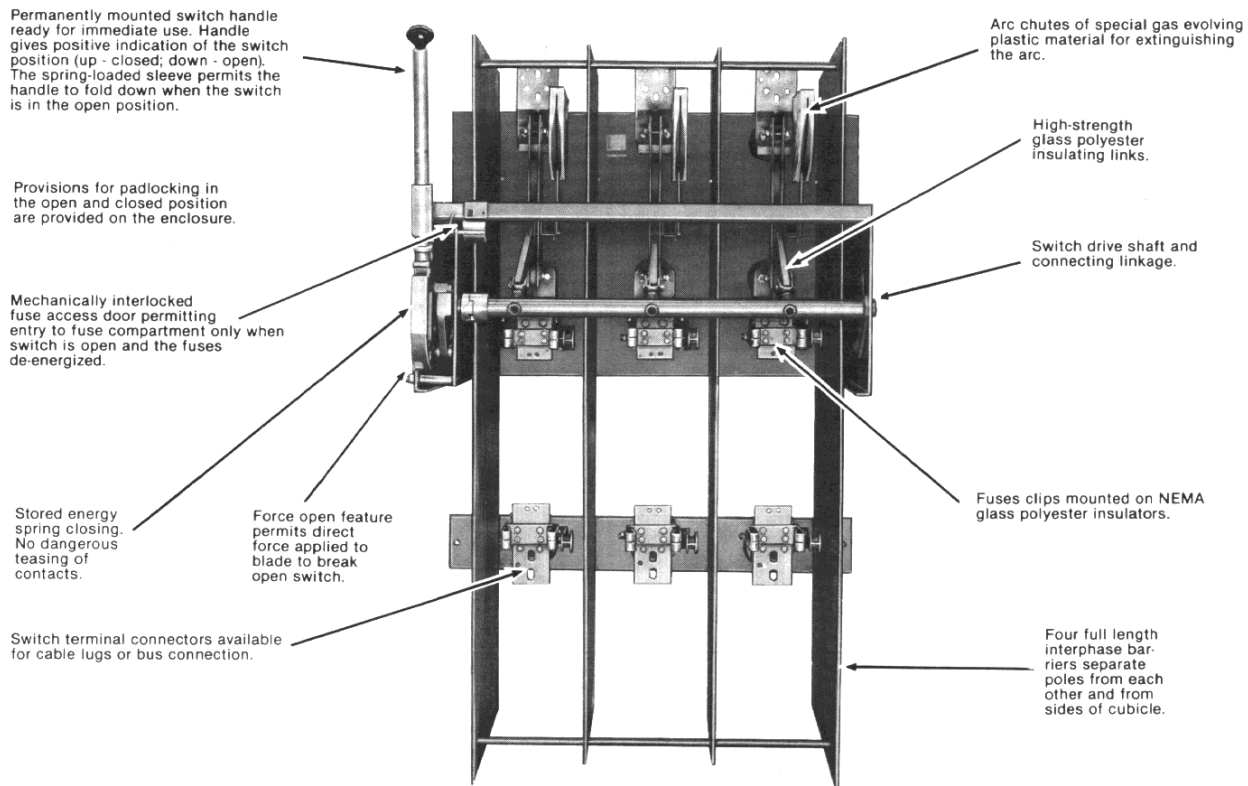
MARCH, 1984

OPEN TYPE

DESCRIPTION

Square D HVL load interrupter switches are designed for use on 2.4 KV to 13.8 KV power distribution systems. They function as a prime component in the system providing switching and over-current protection for the high voltage circuits. These switches

are frequently used in service entrance equipment, unit substations or for sectionalizing high-voltage feeder systems. The switch is single throw and is rated for 1200 amperes continuous current and 1200 amperes contact interrupting capacity.



- 5.0 KV-60 KV BIL
- 15.0 KV-95 KV BIL
- 1200 Amperes
- 2 and 3 Pole
- 61,000 Ampere Momentary
- 61,000 Ampere Fault Close
- 38,000 Ampere Short-Time
- Fusible
- Not Fusible
- Upright Unit
- Inverted Unit

CURRENT LIMITING FUSES: CLE-750

- Fast-acting to limit available fault current stresses on the system
- Silent operation
- Completely factory assembled
- Sealed for consistent characteristics
- High-interrupting capacity
- Positive indication of blown fuse

BORIC ACID FUSES: RBA-800

- Low cost refill units
- Available for high "E" ratings
- Discharge filter



MARCH, 1984

HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

CLASS
9841

OPEN TYPE

FRONT CONNECTED LINESIDE AND LOADSIDE

▲ NOT-FUSIBLE
TABLE 1

Voltage Rating	Catalog* Number
5.0 KV	05U20
15.0 KV	15U40

*—Add suffix I to catalog number for inverted switch

▲ FUSIBLE (PROVISIONS ONLY)
TABLE 2

Voltage Rating	Mfgr.	Fuse Data		Catalog* Number
		Type	Rating	
5.0 KV	W	RBA-800	720E	05F21**
5.0 KV	W	CLE-750	600E-750E	05F22
15.0 KV	W	RBA-800	720E	15F41**

*—Add suffix I to catalog number for inverted switch.

**Not available as an inverted switch.

NOTE: Fuse holders, discharge filters are not furnished on devices designed for boric acid fuses.

▲ Revised October, 1983



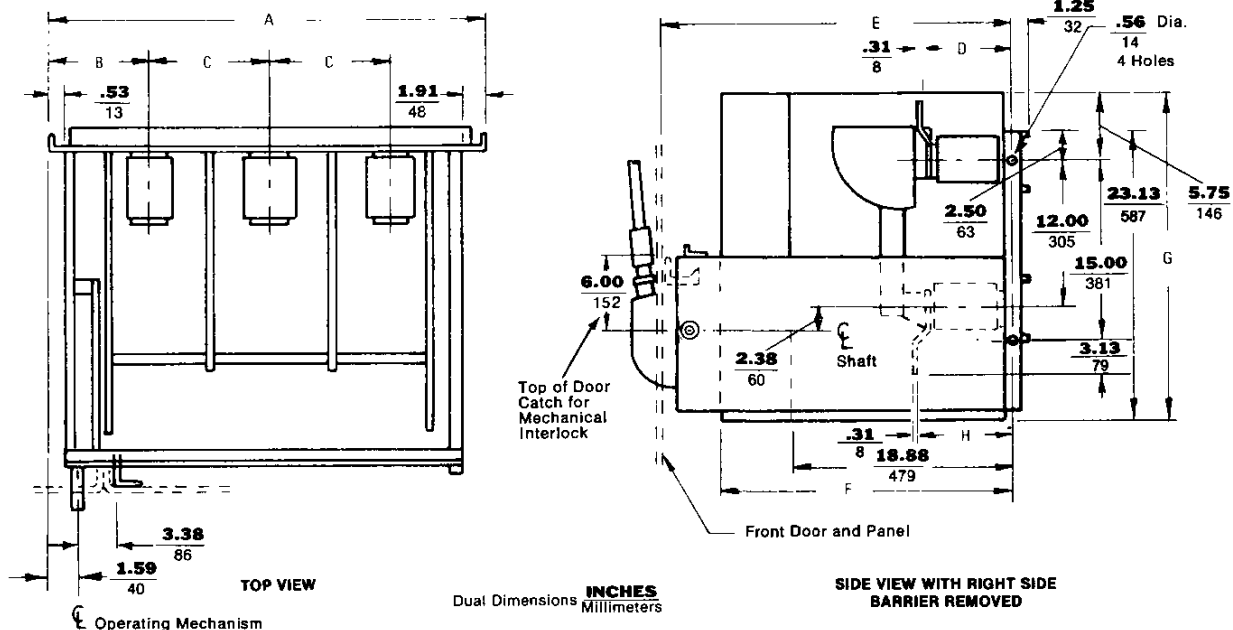
SQUARE D COMPANY

HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

MARCH, 1984

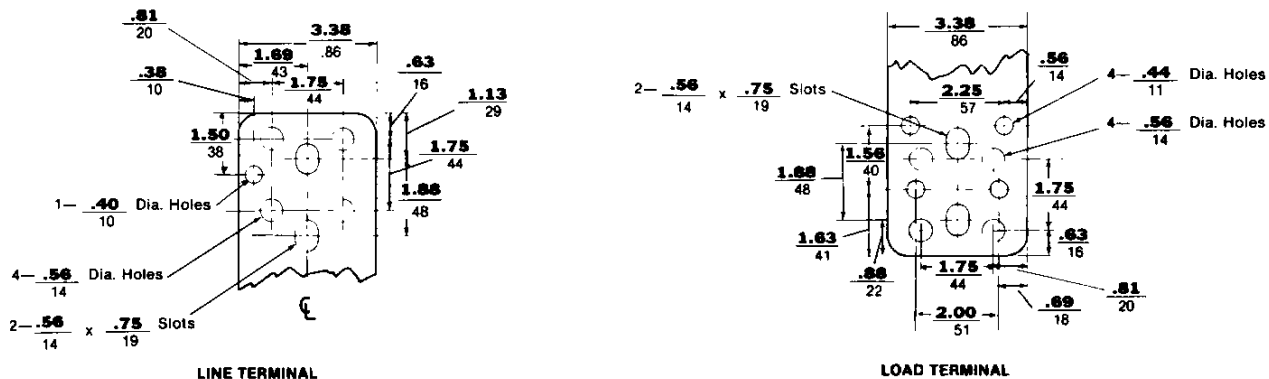
NOT-FUSIBLE UPRIGHT SWITCH

DIMENSIONS



DIMENSIONS

KV	Catalog Number	A	B	C	D	E	F	G	H
5.0	05U20	31.69 805	7.34 186	8.5 216	5.07 129	26.63 676	18.88 479	26.25 667	4.94 126
15.0	15U40	35.69 906	7.84 199	10.0 254	7.57 192	29.13 740	24.88 632	28.25 717	7.44 189



- 1—Switch, 1200 amperes 3 pole
- 1—Barrier Assembly
- 1—"Closed" Nameplate
- 1—"Open" Nameplate

- 1—Square D Nameplate
- 1—Door Catch to Mechanical Interlock
- 1—Handle Stop
- 2—Padlock Hasps

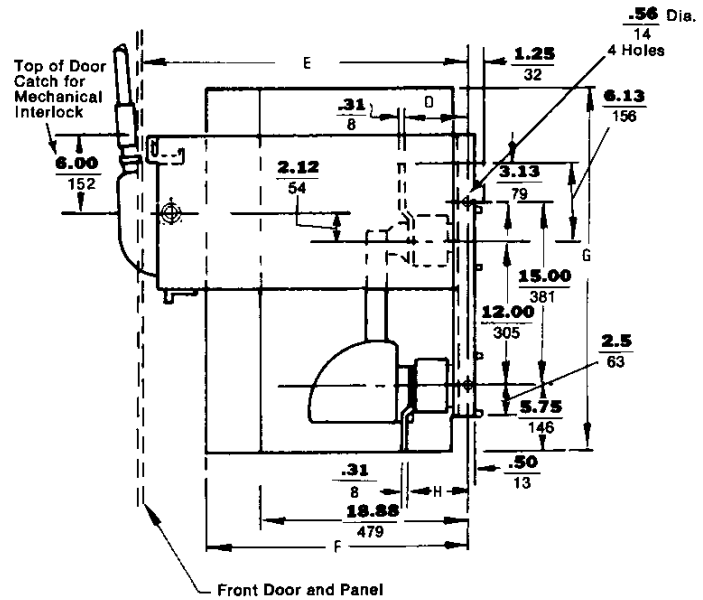
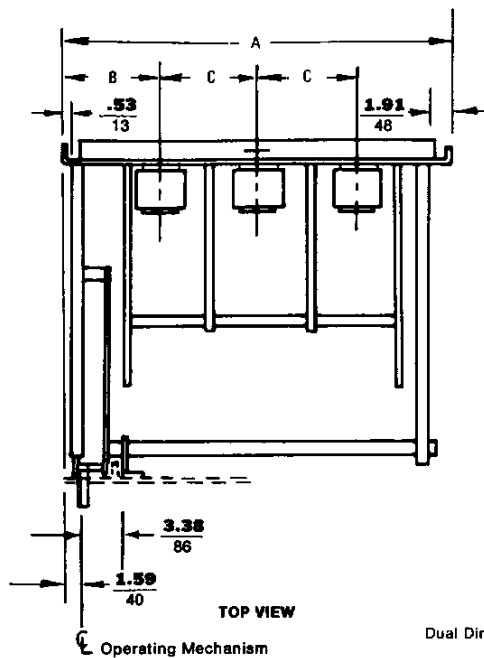


HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

CLASS
9841

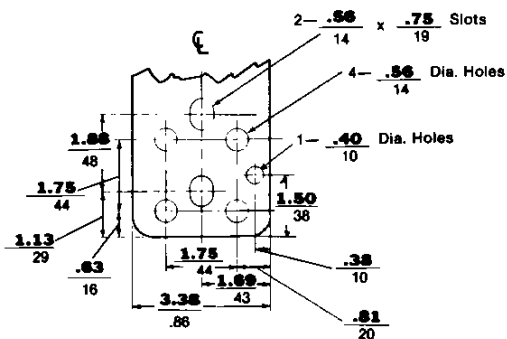
NOT-FUSIBLE INVERTED SWITCH

DIMENSIONS

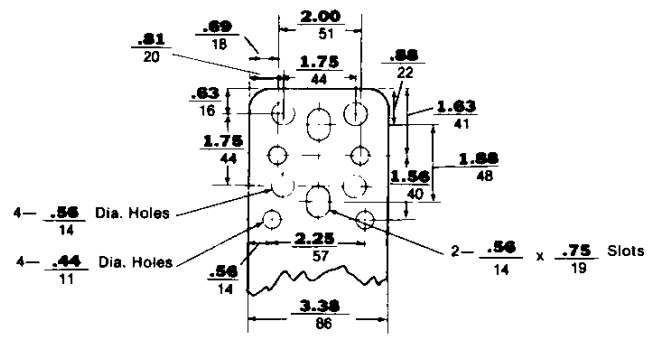


DIMENSIONS

KV	Catalog Number	A	B	C	D	E	F	G	H
5.0	05U20I	<u>31.69</u> 805	<u>7.34</u> 186	<u>8.5</u> 216	<u>4.94</u> 126	<u>26.63</u> 676	<u>18.88</u> 479	<u>26.25</u> 667	<u>5.07</u> 129
15.0	15U40I	<u>35.69</u> 906	<u>7.84</u> 199	<u>10.0</u> 254	<u>7.44</u> 189	<u>29.13</u> 740	<u>24.88</u> 632	<u>28.25</u> 717	<u>7.57</u> 192



BOTTOM LINE TERMINAL



TOP LOAD TERMINAL

- 1—Switch, 1200 amperes, 3 pole
- 1—Barrier Assembly
- 1—"Closed" Nameplate
- 1—"Open" Nameplate

- 1—Square D Nameplate
- 1—Door Catch to Mechanical Interlock
- 1—Handle Stop
- 2—Padlock Hasps

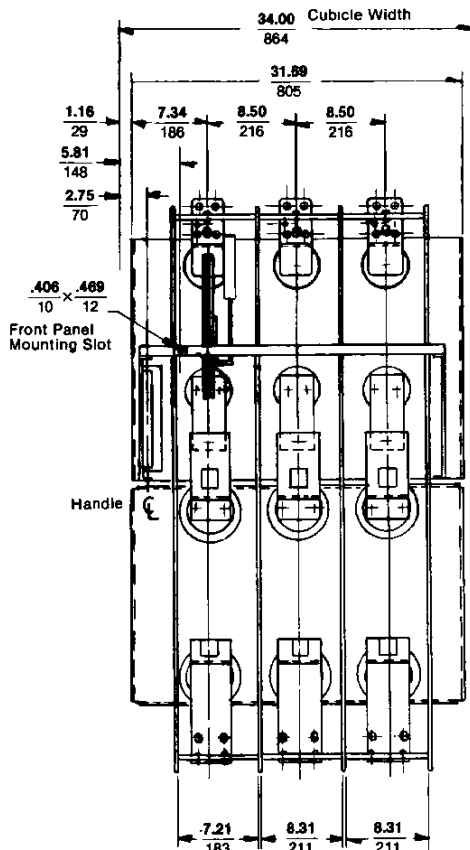

SQUARE D COMPANY

HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV RBA-800 BORIC ACID

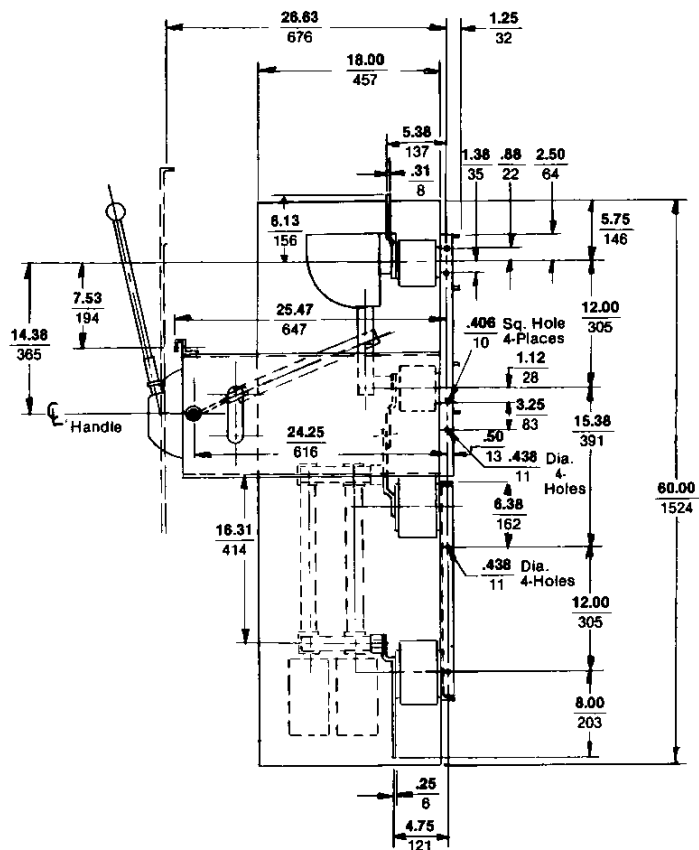
MARCH, 1984

FUSIBLE UPRIGHT SWITCH

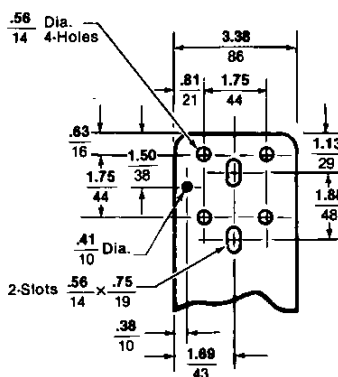
DIMENSIONS



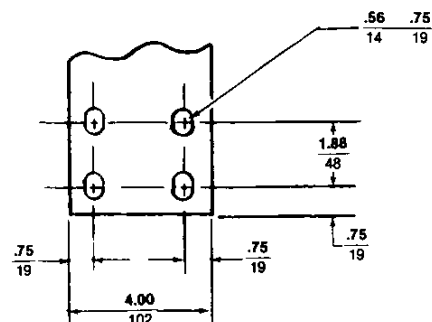
FRONT VIEW



SIDE VIEW



LINE TERMINAL



LOAD TERMINAL

Dual Dimensions **INCHES**
Millimeters



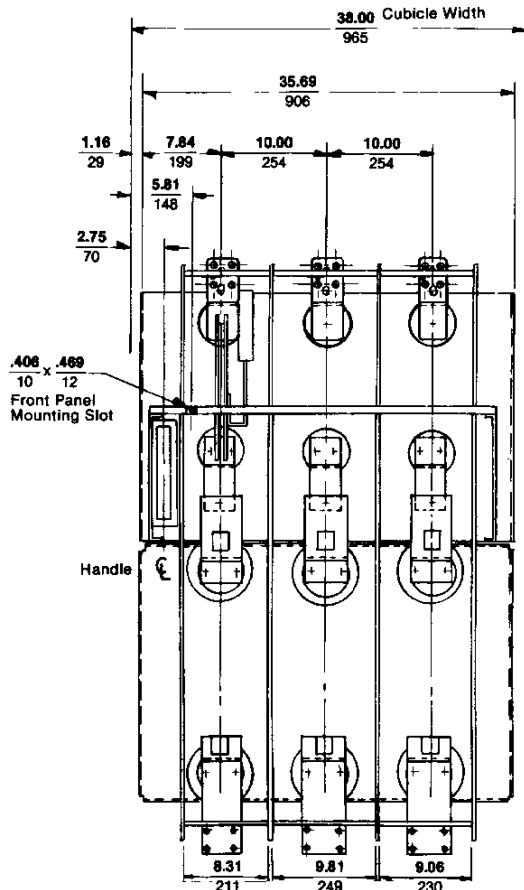
MARCH, 1984

HVL LOAD INTERRUPTER SWITCH 1200A 15.0kV RBA-800 BORIC ACID

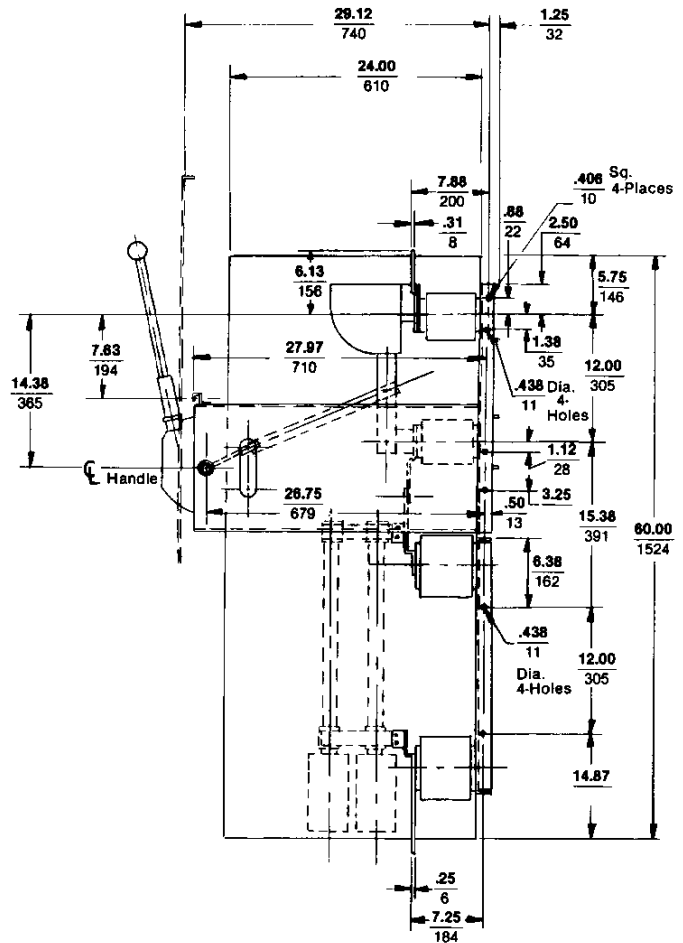
CLASS
9841

FUSIBLE UPRIGHT SWITCH

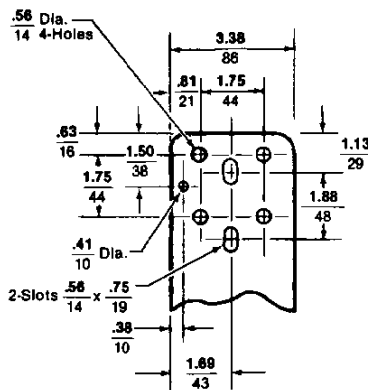
DIMENSIONS



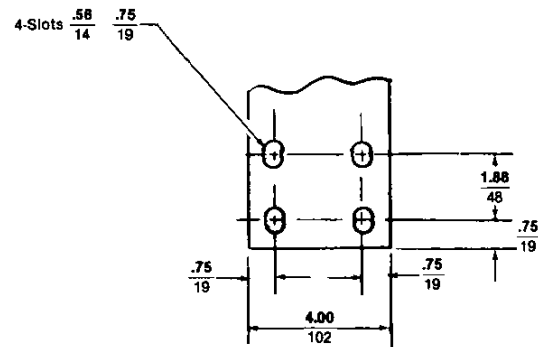
FRONT VIEW



SIDE VIEW



LINE TERMINAL



LOAD TERMINAL

Dual Dimensions INCHES
Millimeters



SQUARE D COMPANY

CLASS
9841

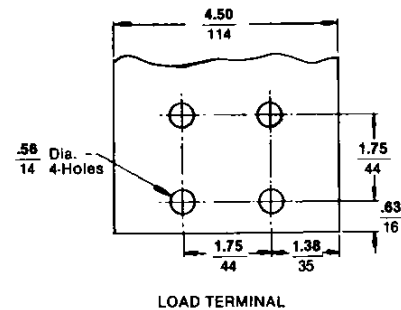
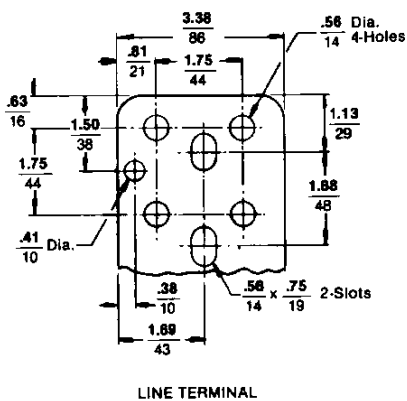
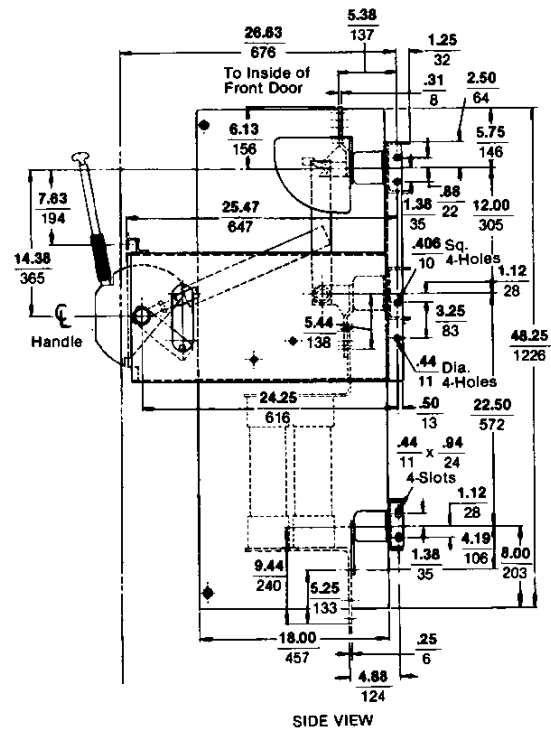
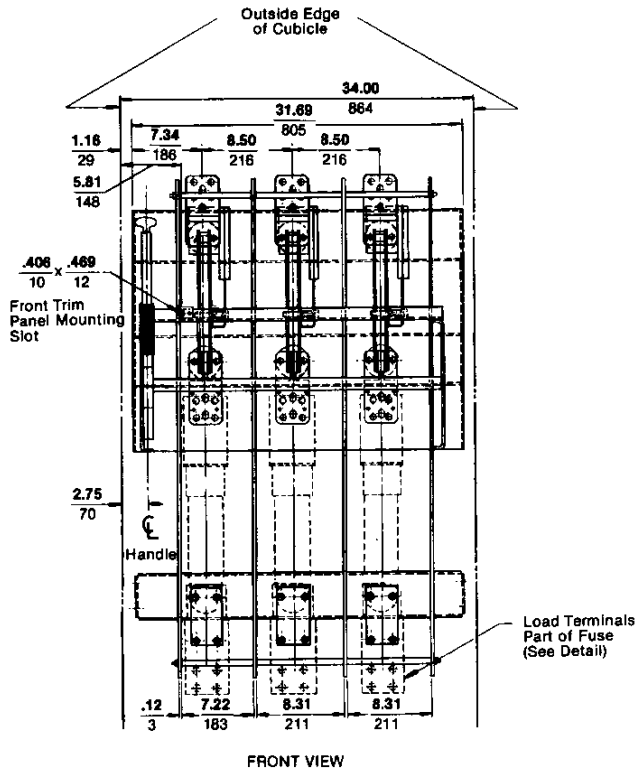
HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV

MARCH, 1984

FUSIBLE UPRIGHT SWITCH

DIMENSIONS

CLE-750 CURRENT LIMITING FUSES ONLY



Dual Dimensions **INCHES**
Millimeters



MARCH, 1984

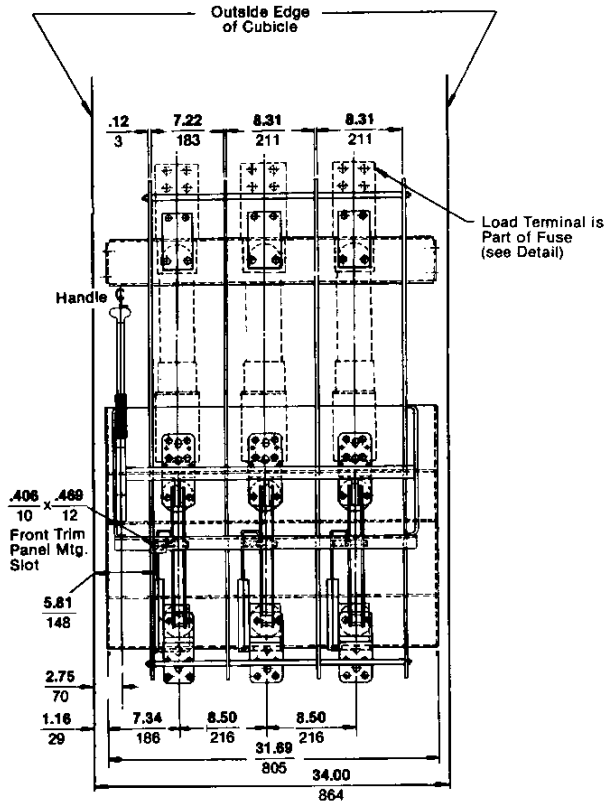
HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV

CLASS
9841

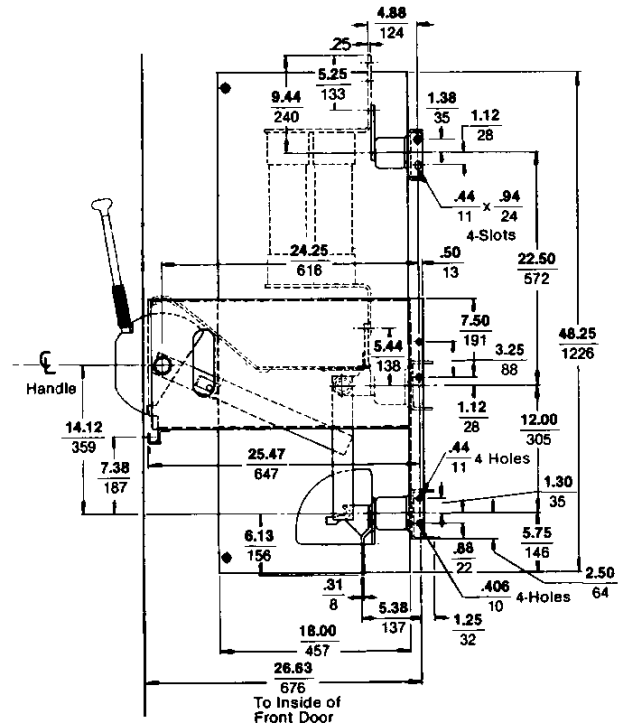
FUSIBLE INVERTED SWITCH

DIMENSIONS

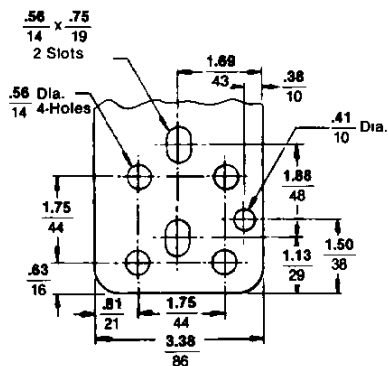
CLE-750 CURRENT LIMITING FUSES ONLY



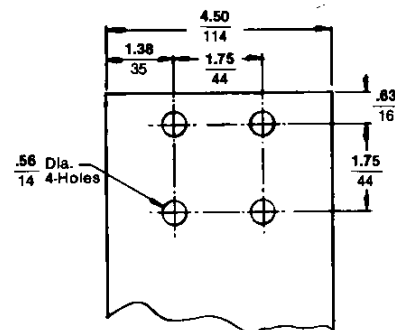
FRONT VIEW



SIDE VIEW



LINE TERMINAL



LOAD TERMINAL

Dual Dimensions **INCHES**
Millimeters



SQUARE D COMPANY

PRINTED
IN
U.S.A.

CONSTRUCTION DETAILS

FRONT PANEL CUTOUT AND DRILLING FOR OPERATOR LOCK

SWITCH OPERATOR KEY INTERLOCKING

When key interlocking the HVL switch, the lower position on the panel is always used. When an additional L.O. is required, it will be necessary to use the upper position.

INTERLOCK OPEN (Upper Position Only)

The mechanical fuse access door interlock must be removed when 2 key interlocks are used in the upper position since it will interfere with mechanical linkage (see page 13).

- a. Pierce 3 holes in front panel above operating crank to mount interlock.

NOTE:

A change is required in the pivot bar assembly on the toggle mechanism (supplied with switch upon request at time of order).

INVERTED SWITCH INTERLOCKING

- a. The above notes apply for the inverted switch.**

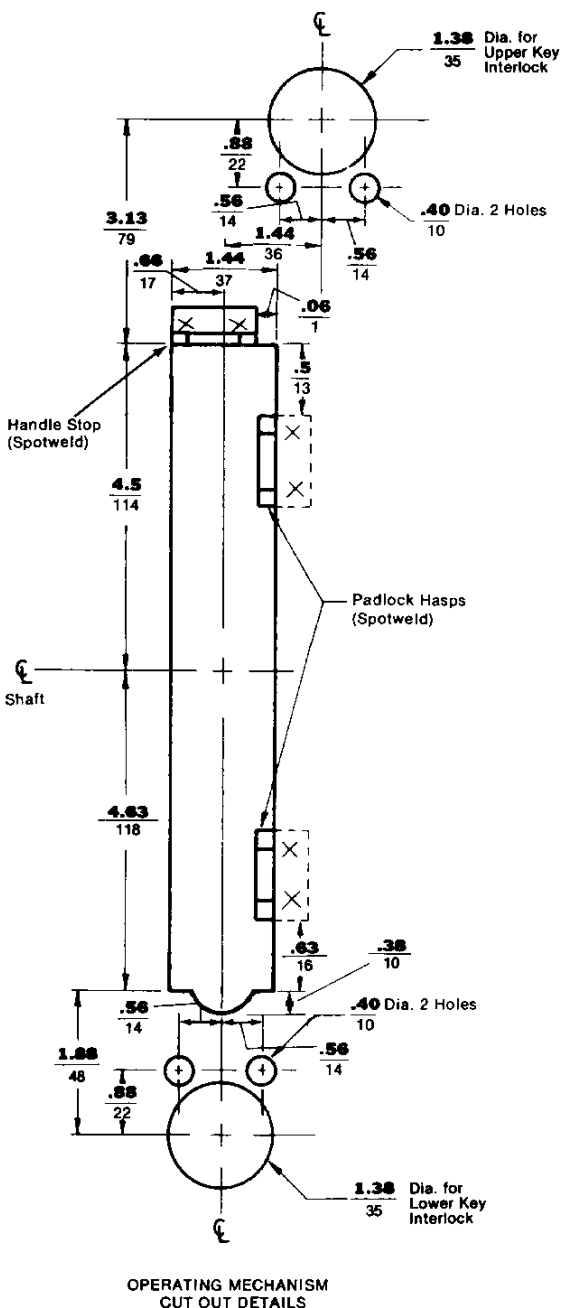
NOTE:

Use key type "SF" interlock with 'O' bolt projection when bolt is withdrawn.

SWITCH FUSE ACCESS DOOR

Key Interlocking

When Key Interlocking of the switch operator and the fuse access door is required. Contact your Square D Co. Field Office for details.

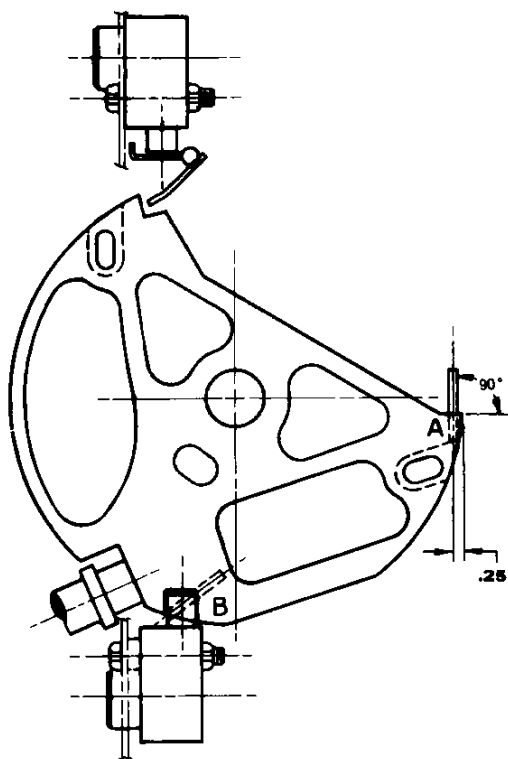
Dual Dimensions **INCHES**
Millimeters

HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

CLASS
9841

CONSTRUCTION DETAILS

DRILLING INSTRUCTIONS FOR KEY INTERLOCK



INTERLOCK OPEN & CLOSE (Lower Position Only)

a. No alterations required.

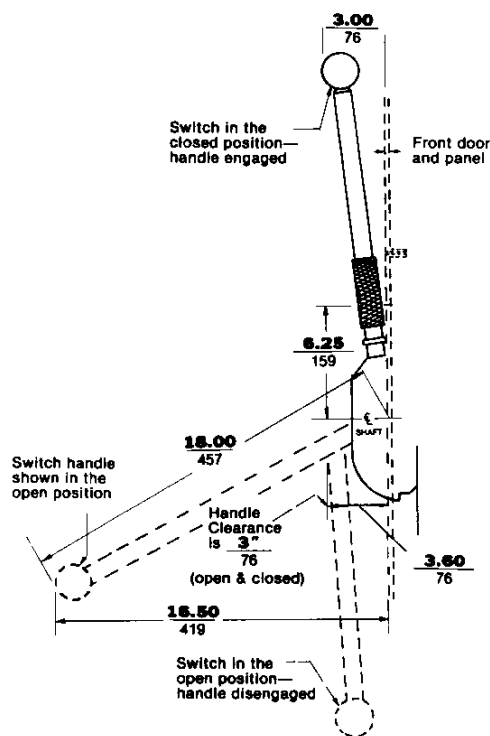
INTERLOCK OPEN (Lower Position Only)

a. Drill 1/8 dia. hole in center of crank at "A".
Drive 1/8x1 1/2 pin flush with surface of padlock.

INTERLOCK CLOSED (Lower Position Only)

a. Drill 1/8 dia. hole in center of crank at "B".
Drive 1/8x1 1/2 pin to obstruct lock bolt from entering crank cavity.

SIDE VIEW SWITCH OPERATOR



Dual Dimensions **INCHES**
Millimeters



SQUARE D COMPANY

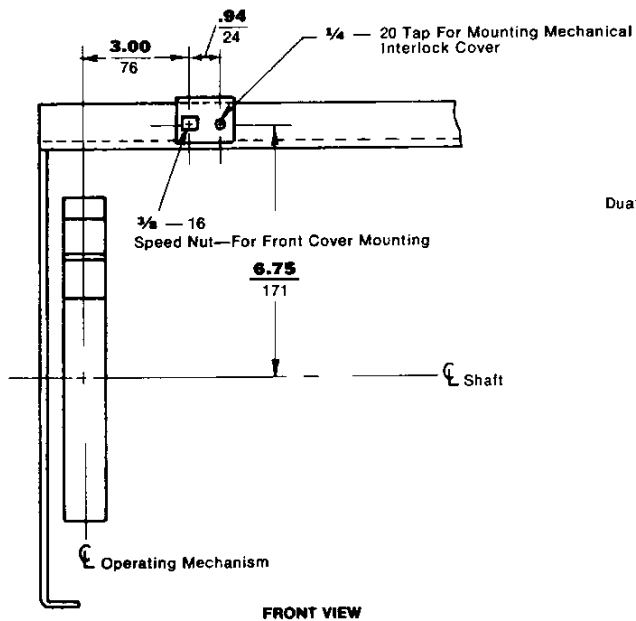
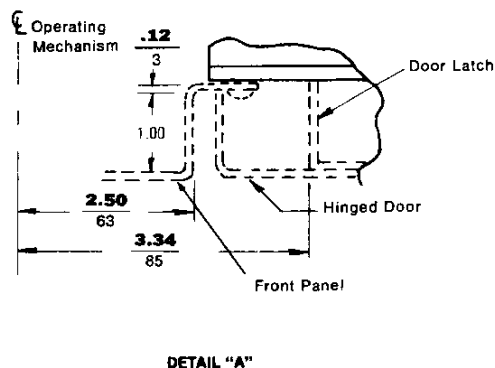
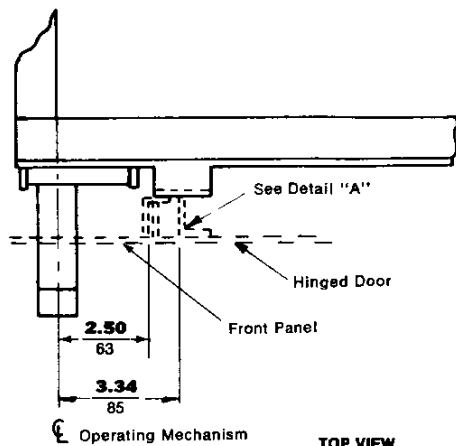
USA

HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

MARCH, 1984

CONSTRUCTION DETAILS

DOOR LATCH & FRONT PANEL MOUNTING



Dual Dimensions **INCHES**
Millimeters

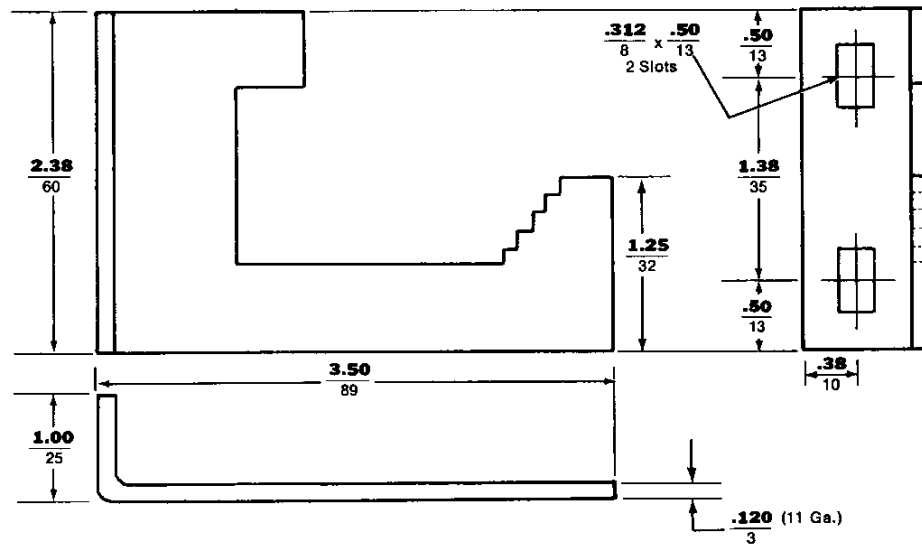


HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

CLASS
9841

CONSTRUCTION DETAILS

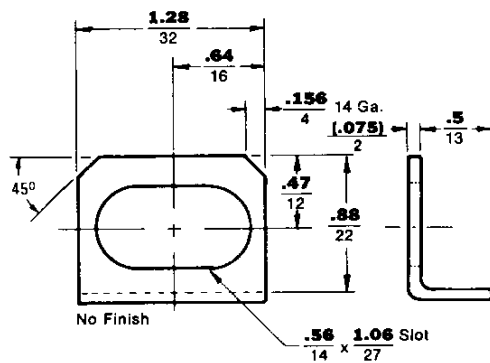
FUSE DOOR INTERLOCKING



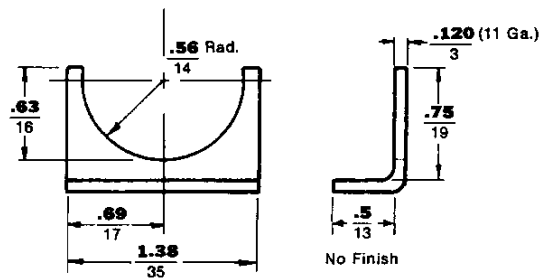
DOOR LATCH FOR MECHANICAL INTERLOCK SUPPLIED WITH ALL SWITCHES ZINC PLATED

A mechanical interlock prevents opening the fuse access door when the switch is closed, and from closing the switch with the fuse door open.

Dual Dimensions **INCHES**
Millimeters



Padlock Hasps



Handle Stop

PURPOSE: Padlock hasps allow HVL switch to be padlocked in the open or closed position.

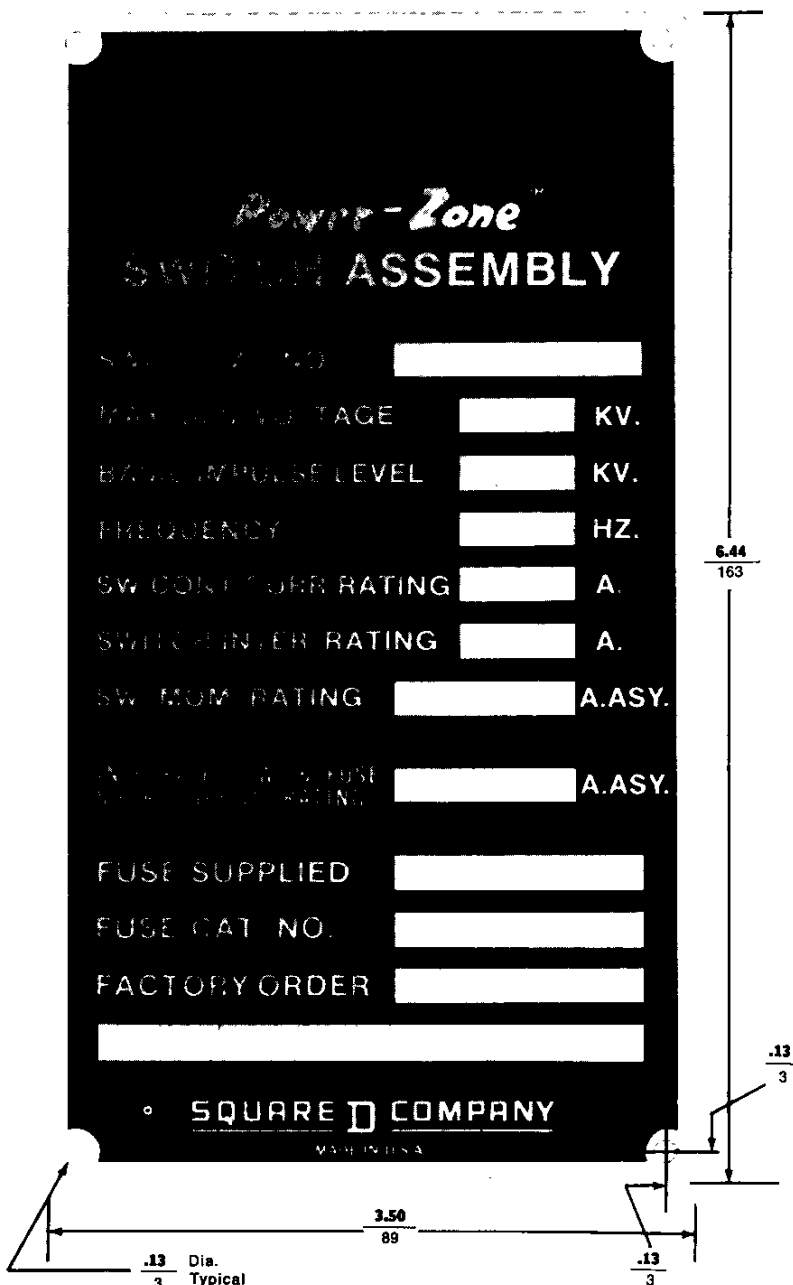
Handle stop prevents switch handle from being disengaged when switch is in closed position



HVL LOAD INTERRUPTER SWITCH 1200A 5.0kV AND 15.0kV

MARCH, 1984

NAMEPLATE DATA



NAMEPLATE DATA SUPPLIED WITH SQUARE D TYPE HVL SWITCH

Model Number as Supplied

Max. Des	5.0KV	15.0KV
BIL	60KV	95KV
Frequency	60	60
Switch: Continuous	1200A	1200A
Load Inter:	1200A	1200A
AMPS. (ASYM.)	61,000A	61,000A
AMPS. (ASYM.)	▲	
Fuse Supplied	▲	
Fuse Cat. No.	▲	
Square D F.O. Number		

▲ Information can be included by Square D Company when requested by customer (fuse type/manufacturer, current rating, and utilization voltage are required.)

Dual Dimensions **INCHES**
Millimeters

