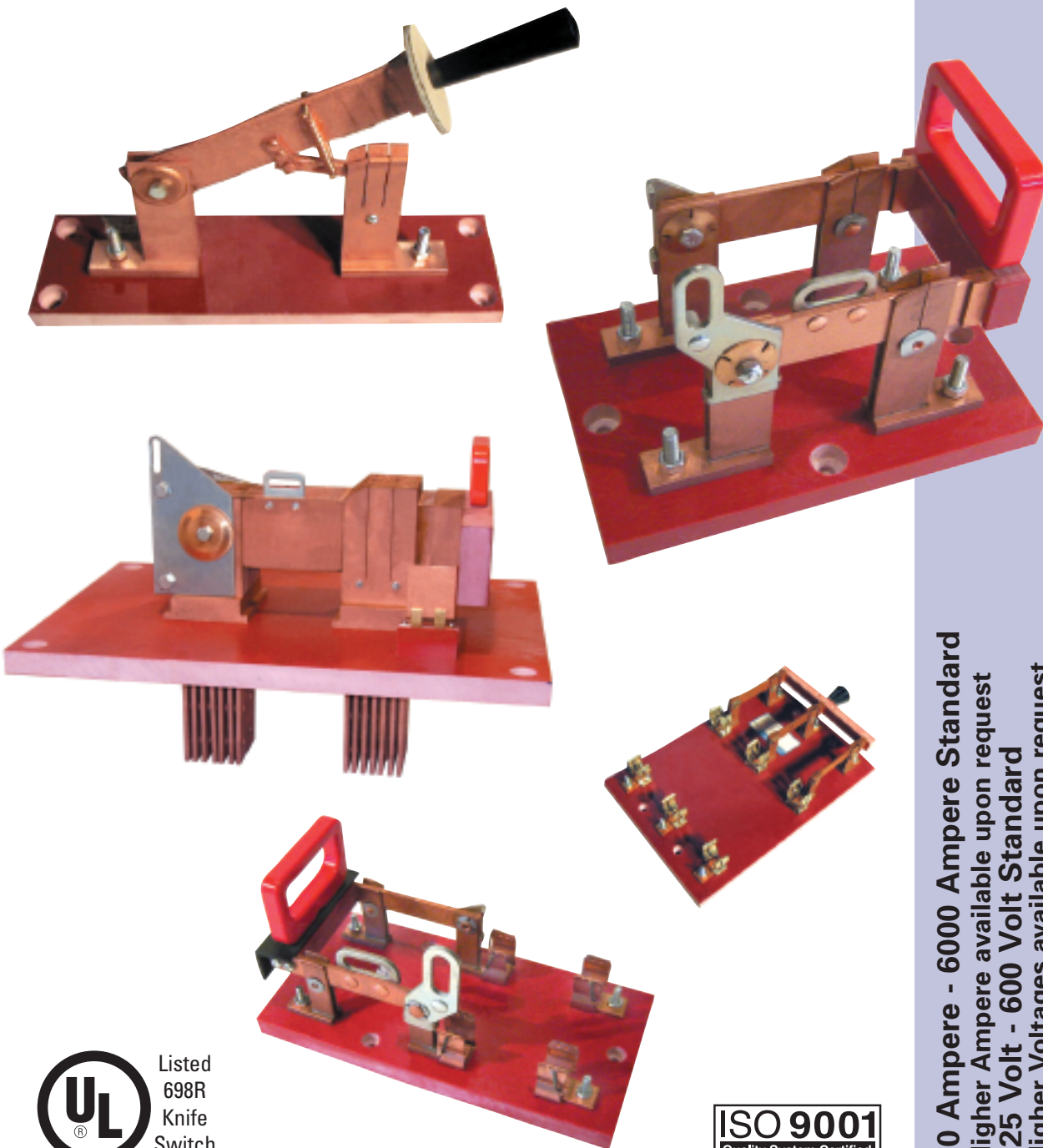




## Knife Switch Product Catalog



Listed  
698R  
Knife  
Switch

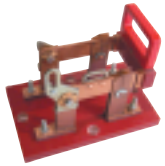


**30 Ampere - 6000 Ampere Standard**  
Higher Ampere available upon request  
**125 Volt - 600 Volt Standard**  
Higher Voltages available upon request

# Knife Switches



## Knife Switch Product Catalog



**SECTION A - Class 9850 - TYPE A - Front Connected Knife Switches**



**SECTION B - Class 9851 - TYPE D - Back Connected Knife Switches**



**SECTION C - Class 9852 - TYPE L - Back Connected Knife Switches**



**SECTION D - Class 9854 - TYPE B - Fuse Blocks**



**SECTION E - Dimensional Information**



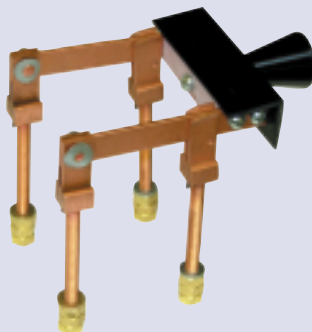
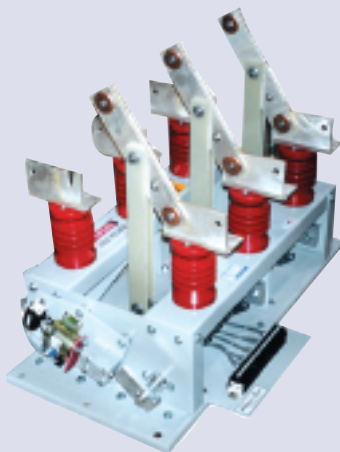
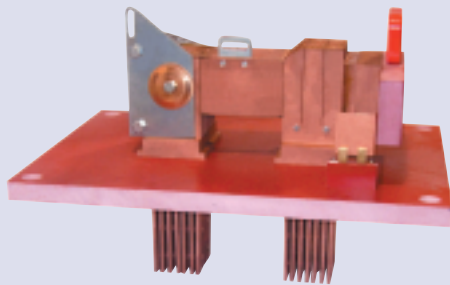
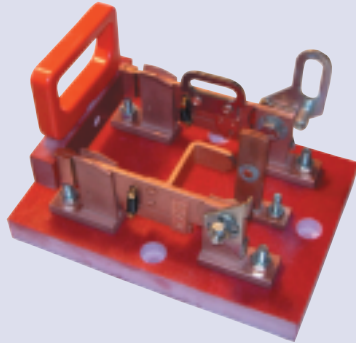
**SECTION F - Maintenance and Installation**



**30 Ampere - 6000 Ampere Standard**  
Higher Ampere available upon request  
**125 Volt - 600 Volt Standard**  
Higher Voltages available upon request

# Knife Switches

## KNIFE SWITCH PRODUCT INTRODUCTION



Filnor's Knife Switch product line was purchased from the Square D Company in 1974, and began production of switches in June of that year. The switch line was formerly the Barkelew Electric Company.

We have over 700 standard switches listed in our catalog. The electrical ratings on the switches range from 30 Amperes at 125 Volts AC/DC to 6000 Amperes at 600 Volts AC/DC. Construction styles are a front-connected (steel panel mounting) or back-connected (insulated panel mounting). All of these switches carry the Underwriters Laboratories Listing.

In conjunction with the standard switch line, we also build many special switch arrangements per our customers' specification. Our special switch units range in current size from 30 Amperes up through 20,000 Amperes, and Voltages up to 38,000 Volts.

Filnor is a switch supplier to a number of different industries such as transportation, utility, telecommunications, and heavy industry just to name a few. Our industry coverage lies from the large steel producers to the small marine diving companies.

With our many years of experience building standard and special switch units, Filnor is highly capable of fulfilling your switch needs.





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# **Class 9854 Fuse Blocks & Fuse Cips Type B**

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# SECTION D

#### **ORDERING INFORMATION REQUIRED**

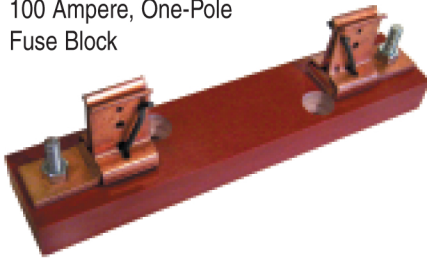
1. Class and Type Number.
2. Voltage and Ampere Rating.
3. Number of Poles.
4. Front or Back-Connected (for fuse holders).

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## FUSE BLOCKS & FUSE HOLDERS For Class H or RK5 Fuses

### B-3613

100 Ampere, One-Pole  
Fuse Block



### D-42

600 Ampere Fuse Clip,  
Back Connected



### Fuse Blocks

Fuse blocks are manufactured using GPO-3 bases and a corrosion resistant finish on current carrying parts. Terminals on the 30 ampere unit have wire binding washers. 60 ampere through 600 ampere have terminal screw and nut without lugs.

### Fuse Holders

Fuse holders for front connection have mounted screws for 1/2" panel thickness on 200 ampere and smaller, and for 1" thick panels on 400 and 600 ampere.



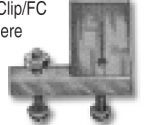

Back connection fuse holder terminal studs on 200 ampere and smaller fit and panel up to 2" thick. The 400 and 600 ampere holders fit panels from 1" to 2" thick. Fuse holders have a corrosion resistant finish and are not furnished with terminal lugs.

## FUSE BLOCKS

Ampere Rating	One Pole			Two Pole			Three Pole			Four Pole		
	Type	Weight	Drawing	Type	Weight	Drawing	Type	Weight	Drawing	Type	Weight	Drawing
<b>250 VOLT</b>												
30	B-3611	1/2	Refer to Section E Figure 20	B-3621	1	Refer to Section E Figure 20	B-3631	1 1/2	Refer to Section E Figure 20	B-3641	2	Refer to Section E Figure 20
60	B-3612	1		B-3622	2 3/4		B-3632	3		B-3642	4	
100	B-3613	2		B-3623	5		B-3633	6 3/4		B-3643	9	
200	B-3614	3 1/2		B-3624	8 1/4		B-3634	12 3/4		B-3644	16	
400	A-3615	7 3/4		A-3625	17		A-3635	26		A-3645	35	
600	A-3616	9 1/2		A-3626	20		A-3636	30		A-3646	40	
<b>600 VOLT</b>												
30	B-3651	3/4	Refer to Section E Figure 20	B-3661	2	Refer to Section E Figure 20	B-3671	3	Refer to Section E Figure 20	B-3681	5	Refer to Section E Figure 20
60	B-3652	1 1/2		B-3662	4		B-3672	5 1/2		B-3682	6	
100	B-3653	2		B-3663	7 1/2		B-3673	10 3/4		B-3683	14	
200	B-3654	5		B-3664	14		B-3674	16		B-3684	24	
400	A-3655	8		A-3665	19		A-3675	30		A-3685	40	
600	A-3656	11		A-3666	22		A-3676	36		A-3686	48	

Prices do not include fuses.

## FUSE HOLDERS

Ampere Rating	Front Connected			Back Connected		
	Volts	Type	Drawing	Volts	Type	Drawing
0-30	250	A-25	 60A Fuse Clip/FC 0-60 Ampere	250	D-35	 60A Fuse Clip/BC 0-60 Ampere
31-60	250	A-26		250	D-36	
0-30	600	A-27	 200A Fuse Clip/FC 61-600 Ampere	600	D-37	
31-60	600	A-28		600	D-38	
61-100	250-600	A-29	 400A Fuse Clip/BC 61-600 Ampere	250-600	D-39	
101-200	250-600	A-30		250-600	D-40	
201-400	250-600	A-31		250-600	D-41	
401-600	250-600	A-32		250-600	D-42	

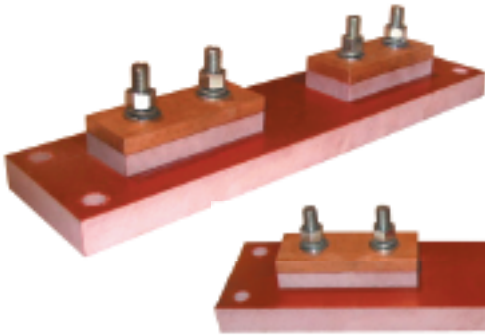
Two Fuse Holders required per fuse. Unmounted, without lugs (do not include fuses).

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## 800 - 6000 AMPERE FUSE BLOCKS FOR CLASS L FUSES



### B-3690

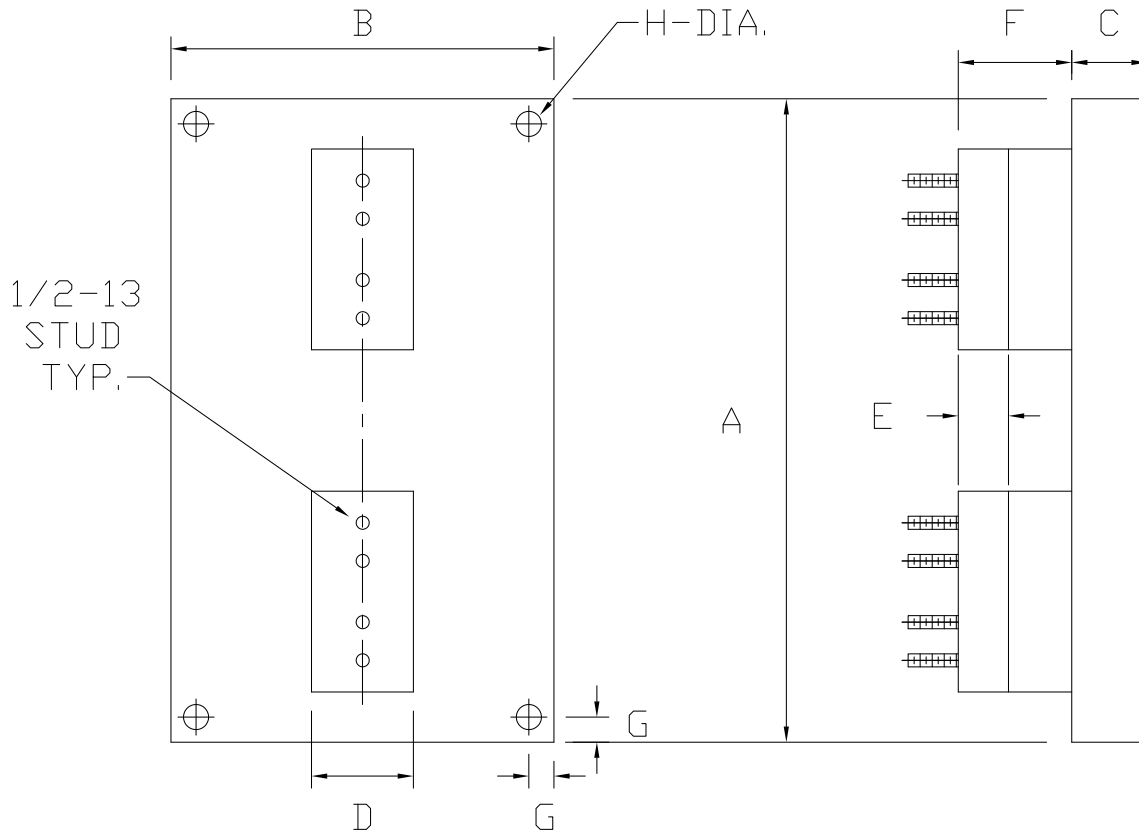
800 Ampere, 600 Volt  
Fuse Block

Fuse Blocks are designed to accept Class L Fuses in the 800 - 6000 Ampere range at 600 Volts AC.

Fuse Blocks are constructed of copper for current carrying pads, and NEMA Grade GPO-3 for insulating base.

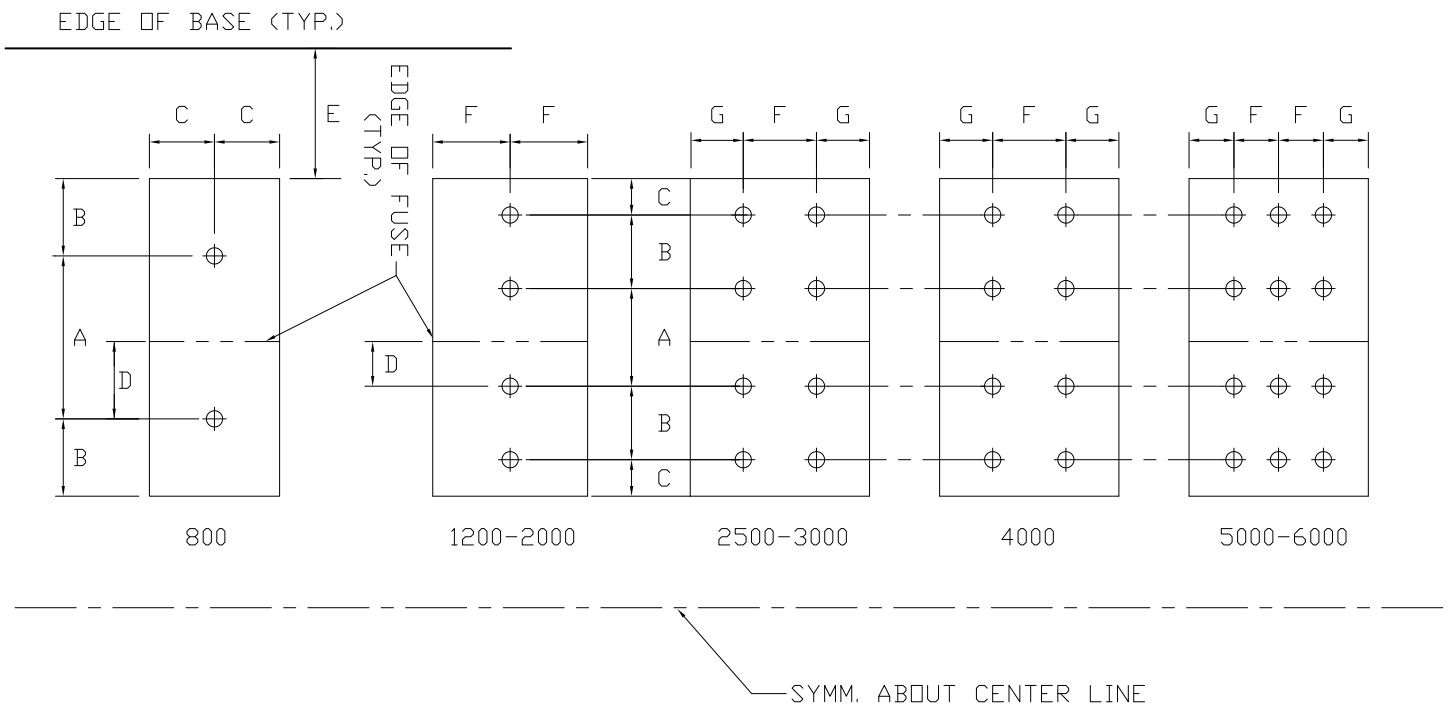
Each stud will be supplied with one steel hex nut, washer, and lock washer.

For Terminal Pad Dimensions, see page 32.



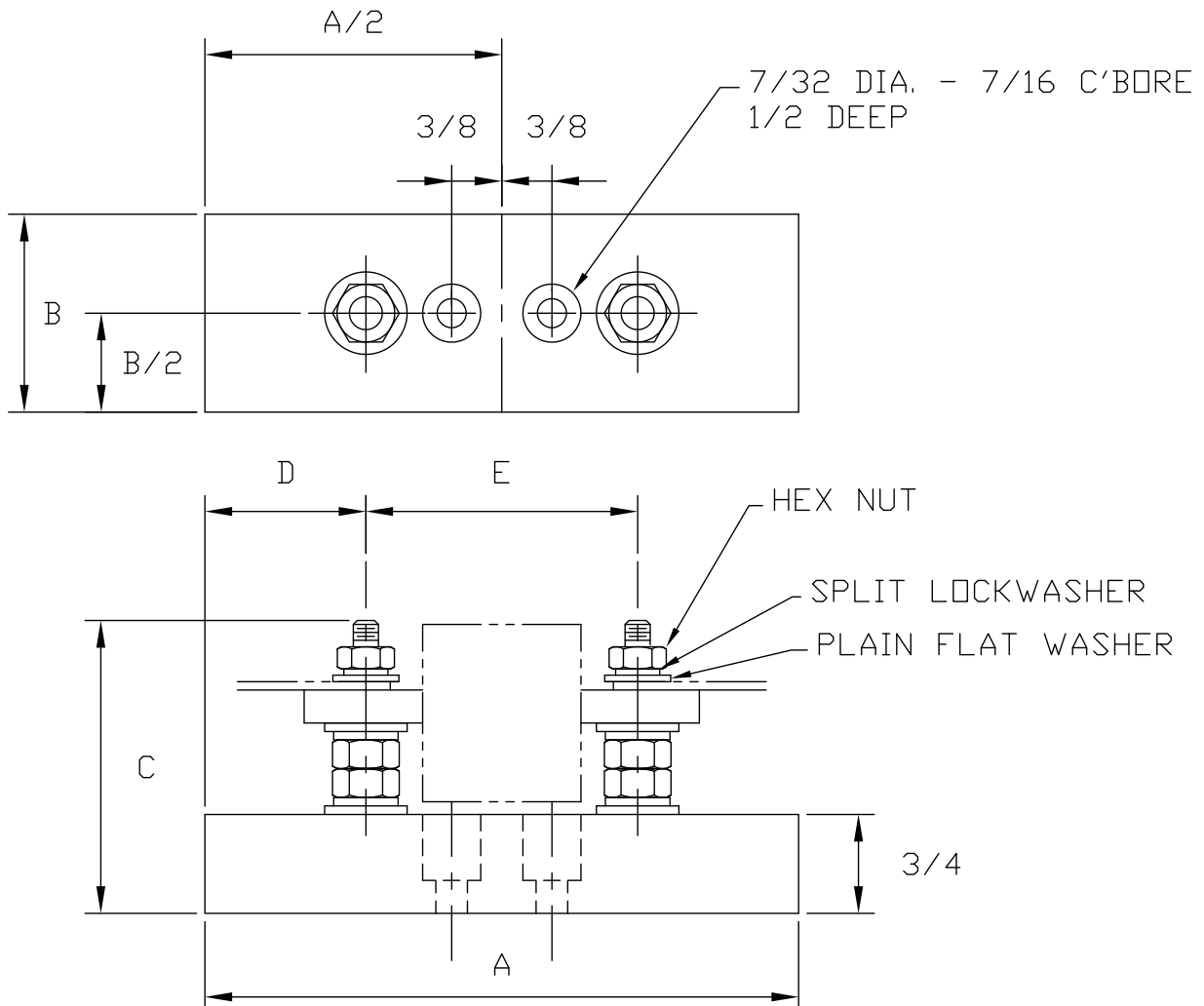
Ampere Rating	Type	A	B	C	D	E	F	G	H
800	B-3690	17 5/8	4 1/2	1	2	1/2	1 1/8	3/4	9/16
1200	B-3691	21 3/4	4 7/8	1	2 3/8	5/8	1 1/8	3/4	9/16
1600	B-3692	21 3/4	5 1/4	1	2 3/4	5/8	1 3/8	3/4	9/16
2000	B-3693	21 3/4	5 1/4	1	2 3/4	1	1 5/8	3/4	9/16
2500	B-3694	23 3/4	6 3/4	1	3 3/4	1	2 1/4	3/4	9/16
3000	B-3695	23 3/4	7	1	4	1	2 1/4	3/4	9/16
4000	B-3696	23 3/4	8	1	5	1	2 5/8	3/4	9/16
5000	B-3697	23 3/4	9	1	5 1/2	1	2 3/4	3/4	9/16
6000	B-3698	23 3/4	10	1	6	1	3 1/4	3/4	9/16

## TERMINAL PAD DIMENSIONS For 800 - 6000 Ampere Fuse Blocks



Ampere Rating	Type	A	B	C	D	E	F	G
800	B-3690	2 1/2	1 3/16	1	1 3/16	2		
1200	B-3691	1 1/2	1 9/16	1 1/8	11/16	2	1 3/16	
1600	B-3692	1 1/2	1 9/16	1 1/8	11/16	2	1 3/8	
2000	B-3693	1 1/2	1 9/16	1 1/8	11/16	2	1 3/8	
2500	B-3694	1 1/2	1 9/16	1 1/8	11/16	3	1 11/16	1 1/32
3000	B-3695	1 1/2	1 9/16	1 1/8	1 1/16	3	1 11/16	1 5/32
4000	B-3696	1 1/2	1 9/16	1 1/8	11/16	3	2 1/2	1 1/4
5000	B-3697	1 5/8	1 3/4	7/8	3/4	3	2 5/8	1 1/8
6000	B-3698	1 5/8	1 3/4	7/8	3/4	3	1 5/8	1 3/8

## RECTIFIER FUSE BLOCKS



### Dimensions in Inches

Ampere Rating	Volts	Type	A	B	C	D	E	STUD
70-400	130	B-3600	4 1/2	1 1/2	2 7/16	1 7/32	2 1/16	1/4 - 20
500-1000	130	B-3601	4 1/2	1 1/2	2 7/16	1 1/32	2 7/16	5/16 - 18
35-60	250	B-3602	4 1/2	1 1/2	2 7/16	1 1/32	2 7/16	5/16 - 18
70-200	250	B-3603	4 1/2	1 1/2	2 7/16	1 1/16	2 3/8	1/4 - 20
250-600	250	B-3604	4 1/2	1 1/2	2 7/16	55/64	2 25/32	5/16 - 18
35-60	500	B-3605	4 1/2	1 1/2	2 7/16	1 1/32	2 7/16	5/16 - 18
70-200	500	B-3606	4 1/2	1 1/2	2 7/16	13/16	2 7/8	1/4 - 20
250-400	500	B-3607	6	2	2 15/16	1 23/64	3 9/32	3/8 - 16
500-600	500	B-3608	6	2	2 15/16	1 19/32	3 13/32	3/8 - 16
35-200	600	B-3609	4 1/2	1 1/2	2 7/16	7/16	3 5/8	1/4 - 20
225-600	600	B-3610	6	2	2 15/16	31/32	4 1/16	3/8 - 16
35-100	700	B-3619	4 1/2	1 1/2	2 7/16	7/16	3 5/8	1/4 - 20
125-400	700	B-3620	6	2	2 15/16	63/64	4 1/32	3/8 - 16
500-600	700	B-3629	8	2 1/2	2 15/16	1 29/64	5 3/32	3/8 - 16

NOTE: Fuse and terminal lug not supplied.

Base material is NEMA grade GPO-3 insulating material.

Terminal stud mounting holes are insulated for panel mounting.





## Other Filnor Switch Products Available

### **Type BM Open Style Front Connected**

Bolted Pressure Contact Switches

### **Type EBM Switches**

Enclosed Bolted Pressure Switch with side operated manual handle, non-load break.

### **Type BPI Switches**

Enclosed Bolted Pressure Switch with side operated Quick Brake Mechanism and Arc Breaking capability.

### **Type DB Switches**

High Current Switch applications.

### **Medium Voltage Switches**

Isolation and grounding applications. 200 - 12,000 Ampere, 5 kV - 38 kV.

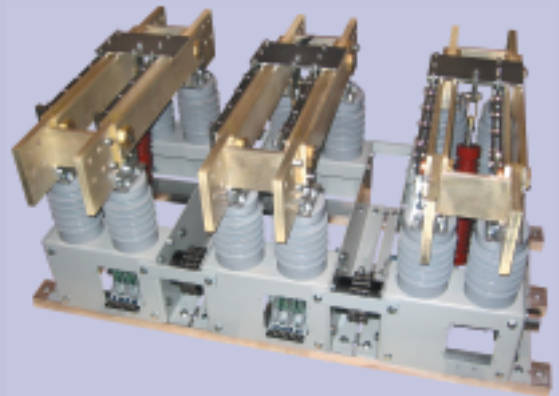
### **Custom Designed Switches**

Switches designed to suit your exact specifications.

### **Transfer Switches**

Open or enclosed.

Please contact Filnor, Inc. for complete information on the above products, as well as additional Resistor and Control Units not listed.



### **Special Design Medium Voltage Switch**

6300 A, 15 kV, 3-Pole, Single Throw, Motor Operated, Medium Voltage Bolted Pressure Switch



3000 A, 250 V DC, 2-Pole, Single Throw, Fusible, Type BPI Switch Crane Rail Disconnect





## Knife Switch Product Catalog

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Please visit our website at [www.filnor.com](http://www.filnor.com) for more information on all of our product lines.



**30 Ampere - 6000 Ampere Standard**  
Higher Ampere available upon request  
**125 Volt - 600 Volt Standard**  
Higher Voltages available upon request

# Knife Switches