

CLASS H, K & R

250 & 600 VOLT/FUSE BLOCKS



CLASS H, K AND R FUSE BLOCKS

Ferraz Shawmut Class H, K and R Fuse Blocks accommodate all Class H, K and R 250 and 600V power fuses. A choice of screw, pressure plate, box and special order stud connectors fit a wide range of stranded or solid copper or aluminum wire. Insulators are either molded glass-filled polycarbonate (GFPC) or phenolic with verified dielectric strength in excess of 2500V. 30, 60 and 100A fuse blocks feature a unique adder block which can be snapped onto 1-, 2- or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. All fuse clips are made of high conductivity tin-plated copper, with a choice of spring reinforced or non-spring reinforced clips in 30A and 60A. Clips 100A and above are spring reinforced.

Ratings

- 250VAC:
30A, 60A, 100A,
200A, 400A, 600A
- 600VAC:
30A, 60A, 100A,
200A, 400A, 600A
- Short Circuit
Current Ratings:
250 & 600VAC
w/class H fuses - 10kA
w/class K fuses - 50kA
w/class R fuses - 200kA

Approvals

- All fuse blocks meet the requirements of UL Std. 512
- UL Listed, Guide IZLT, File E52283
- UL Recognized Component Guide IZLT2, File E52283
- CSA Certified Class 6225, File 32169



RECOMMENDED FUSE USAGE

Class R Blocks (250V) use with **A2D-R, A2K-R, TR-R**
Class R Blocks (600V) use with **A6D-R, A6K-R, TRS-R**
Class H & K Blocks (250V) use with **OT, RF, A2Y types 1 & 3**
OTN, CRN, NRN

Class H & K Blocks (600V) use with **OTS, RFS, A6Y types 1 & 3**
CRS, NRS

Clip & Connector Types

30A & 60A CLIPS	CONNECTORS	CONNECTORS	CONNECTORS	CONNECTORS
SPRING REINFORCED: CLASS R	NON-SPRING REINFORCED: 30A & 60A BOX	SPRING REINFORCED: 30A & 60A BOX	SPRING REINFORCED: 100A BOX	SPRING REINFORCED: 400A BOX IN-LINE CLIP
CLASS H & K	30A SCREW	30A SCREW (R)	200A BOX SIDE-CLIP	600A BOX IN-LINE CLIP
NON-SPRING REINFORCED	30A PRESSURE PLATE	30A PRESSURE PLATE	400A BOX SIDE-CLIP	

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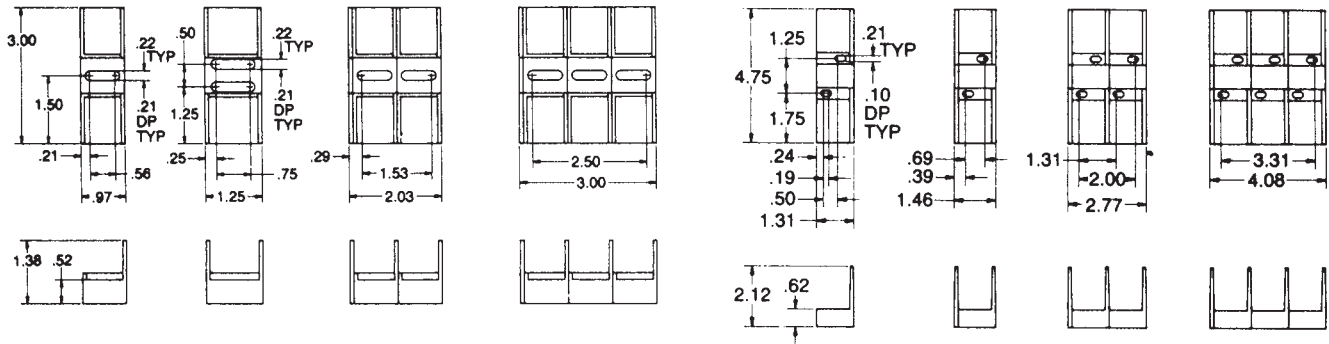


Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

Recommended mounting screws for all 30A and 60A fuse blocks: #10 (.190" dia.)

250 Volt, 30 & 60 Ampere Class H, K and R Fuse Blocks

AMPERE RATING	POLES	CONNECTOR		CATALOG NUMBER			FIG.	CONNECTOR TORQUE In - lb
				TYPE OF CLIP				
		TYPE	WIRE RANGE	CLASS H & K NON-SPRING REINFORCED	CLASS H & K SPRING REINFORCED	CLASS R SPRING REINFORCED		
30 GFPC INSULATOR	ADDER 1 2 3	BOX	Al/Cu #2-14	20300 20301* 20302 20303	20305 20306* 20307 20308	20305R 20306R* 20307R 20308R	1 2 3 4	35
	ADDER 1 2 3	SCREW	Cu #10-14	20310 20311* 20312 20313	20315 20316* 20317 20318	20315R 20316R* 20317R 20318R	1 2 3 4	20
	ADDER 1 2 3	PRESSURE PLATE	Cu #10-14	20320 20321* 20322 20323	20325 20326* 20327 20328	20325R 20326R* 20327R 20328R	1 2 3 4	20
	ADDER 1 2 3	BOX	Cu** #4-14	- - - -	20355 20356* 20357 20358	20355R 20356R* 20357R 20358R	1 2 3 4	35
	ADDER 1 2 3	BOX	Al/Cu #2-14	20600 20601 20602 20603	20605 20606 20607 20608	20605R 20606R 20607R 20608R	5 6 7 8	45
	ADDER 1 2 3	BOX	Cu** #4-14	- - - -	20655 20656 20657 20658	20655R 20656R 20657R 20658R	5 6 7 8	45

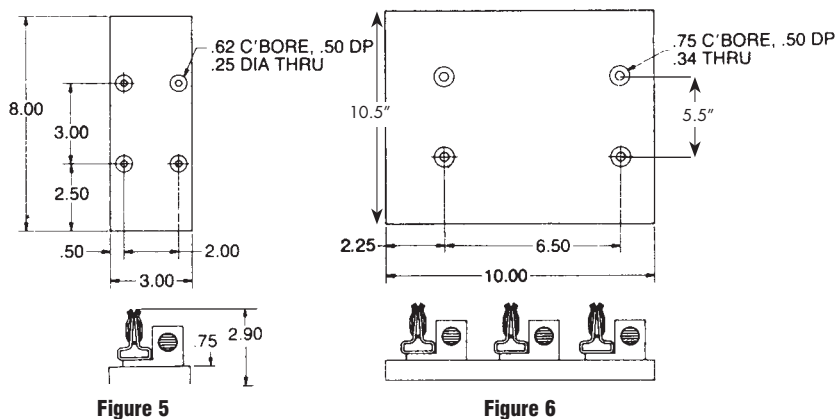
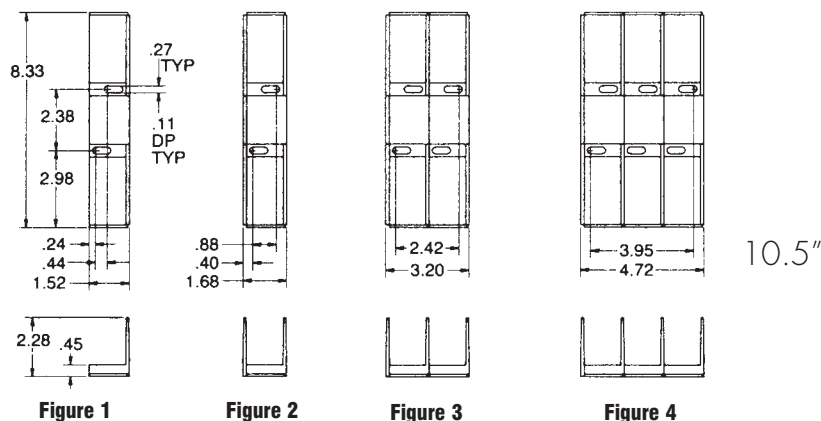
Note: To convert 30A adder pole to single pole, use end barrier #U09322. To convert 60A adder pole to single pole, use end barrier #U09365.

* 1-pole, 30A block does not accept adder pole.

** Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

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Recommended mounting screws:
 All 100A-1/4" (.250" dia.)
 200A, 1-pole - #10 (.190" dia.)
 200A, 3-pole - 5/16" (.313" dia.)

250

AMPERE RATING	POLES	CONNECTOR		CATALOG NUMBER		FIG.	CONNECTOR TORQUE In - lb
				TYPE OF CLIP			
		TYPE	WIRE RANGE	CLASS H & K SPRING REINFORCED	CLASS R SPRING REINFORCED		
100 GFPC INSULATOR	ADDER	BOX	Al/Cu 2/0-#6	21035	21035R	1	120
	1			21036	21036R	2	
	2			21037	21037R	3	
	3			21038	21038R	4	
	ADDER	BOX	Cu* 2/0-#12	21005	21005R	1	50
	1			21006	21006R	2	
	2			21007	21007R	3	
	3			21008	21008R	4	
200 PHENOLIC INSULATOR	1	BOX SIDE-CLIP	AL/Cu 350kcmil-#6	22001	22001R	5	375
	3			22003	22003R	6	
	1	BOX SIDE-CLIP	Cu* 350kcmil-#6	22051	22051R	5	275
	3			22053	22053R	6	

Note: To convert 100A adder pole to single pole, use end barrier #U09363.

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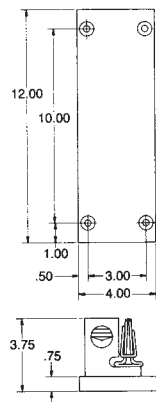


Figure 1

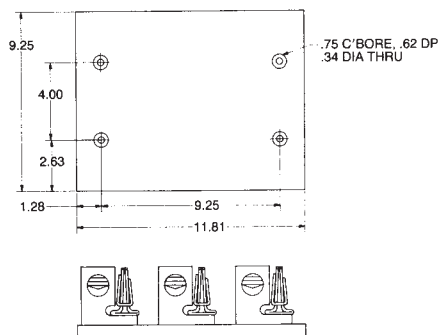


Figure 2

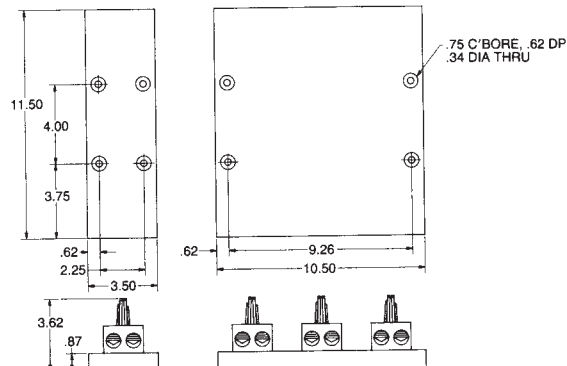


Figure 3

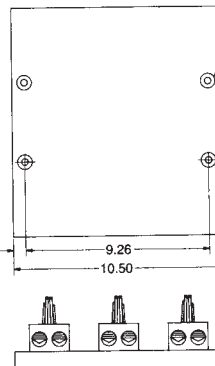


Figure 4

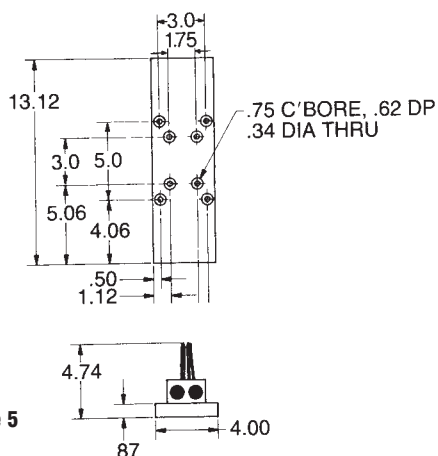


Figure 5

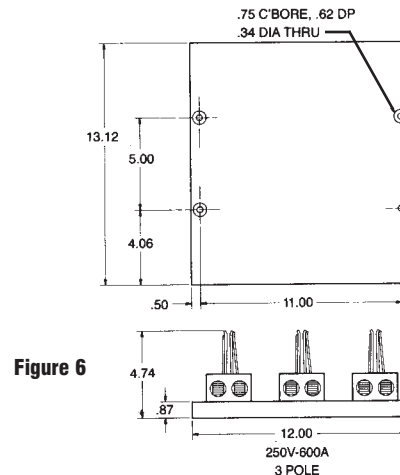


Figure 6

250 Volt, 400 & 600 Ampere Class H, K and R Fuse Blocks

AMPERE RATING	POLES	CONNECTOR		CATALOG NUMBER		FIG.	CONNECTOR TORQUE In - lb
				TYPE OF CLIP			
		TYPE	WIRE RANGE	CLASS H & K SPRING REINFORCED	CLASS R SPRING REINFORCED		
400 PHENOLIC INSULATOR	1 3	BOX* SIDE-CLIP	Al/Cu 1000-250kcmil	24001 24003	24001R 24003R	1 2	375
	1 3	BOX* SIDE-CLIP	Cu** 1000-250kcmil	24051 24053	24051R 24053R	1 2	375
	1 3	BOX IN-LINE CLIP	AL/Cu (2) 350kcmil-#4	24031 24033	24031R 24033R	3 4	275
	1 3	BOX IN-LINE CLIP	Cu** (2) 350kcmil-#6	24061 24063	24061R 24063R	3 4	275
600 PHENOLIC INSULATOR	1 3	BOX IN-LINE CLIP	Al/Cu (2) 500kcmil-#4	2631 2633	2631R 2633R	5 6	500
	1 3	BOX IN-LINE CLIP	Cu** (2) 500kcmil-#4	2661 2663	2661R 2663R	5 6	375

Recommended mounting screws for all 400A and 600A fuse blocks: 5/16 (.313" dia.)

* Not UL Listed or CSA Certified

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