

high-voltage power fuses

types BA, DBA, BAL, BAL-LR and CLS

601 to 138,000 volts

dimension
section

36-670

page 1

installation, and outline dimensions of fuse units and mountings

The major categories of installation types are:

- outdoor installations
- indoor installations
- installations in enclosures

The latter group constitutes a class by itself in as much as fuses in enclosures are required to perform their rated functions at an ambient temperature inside the enclosure of as high as 55°C. Such fuses, however, must have silver-surfaced contacts or the equivalent. For all other types of fuses, the maximum ambient temperature at which such devices are required to carry their full rating is 40°C.

Furthermore, in enclosures only such types of fuses must be used which recondense practically all generated arc gases within their envelope or in an attached condenser or discharge filter. Such fuses are: type BAL-LR fuses, which are sealed hermetically, types BAL, CLS and type BA fuses with condensers, which have only small openings incidental to provisions for discharge indicators or other features, but which allow no visible amount of gas to escape; furthermore, type BA fuses with discharge filters which vent a small, visible, but almost fully de-ionized volume of gas. Discharge filters require somewhat larger clearance distances as indicated in table I, but do not impose any restrictions on the interrupting rating.

Applications at so-called hazardous locations, such as explosive atmospheres, require special provisions. Information is available upon inquiry.

The outline dimensions of all fuses and fuse mountings are given in figures 1 to 7 and in the associated tabulations. The dimensions, bolt circles and electrical characteristics of the insulators employed in these mountings are shown in the Westinghouse descriptive bulletin 36-450. The respective insulators are identified in the mounting tabulations by the styles and technical reference numbers listed in D.B. 36-450.

The minimum phase-to-phase center-line spacings for outdoor fuses are fixed by national standards (NEMA SG2-20.19, April 1960). They are:

nominal rating kv:	7.2	14.4	23	34.5	46	69	115	138
centerline spacing:	18"	24"	30"	36"	48"	60"	84"	96"

These spacings may be used for type DBA and for vented type BA fuses if power is connected to the non-vented side of the mountings.

If power is connected to the vented side, the phase-to-phase center-line spacing must be:

nominal rating kv:	7.2	14.4	23	34.5	46	69	115	138
centerline spacing:	36"	36"	48"	60"	72"	84"	120"	144"

For indoor mountings, the minimum phase-to-phase centerline spacing without the use of barriers also are fixed by Standard (SG2-20.19) which state that the minimum clearance between live parts, phase-to-phase, should be:

nominal kv:	2.4	4.8	7.2	13.2	14.4	23	34.5
clearance:	3½"	4½"	6"	7½"	9"	13"	18"

Adding to these dimensions the width W of the live parts results in the minimum phase-to-phase centerline spacing. The dimension W is listed in all tabulations for indoor mountings.

For clearances of live parts to ground 67% of the above listed phase-to-phase clearances may be employed. This, of course, does not hold for spacings in the path of vented arc gases.

The clearance to ground in the direction of vented gases is given by dimension F in figures 1 and 3 and in the associated tables. This clearance, however, applies only if power is connected to the opposite; that is, non-vented end. It is smaller than the clearance necessary if power were connected to the vented end because line side peak voltages during interruption are high while the load side voltage during the same period is relatively low, or may be suppressed entirely by the fault condition. Dimension F is selected so that:

- The clearance space, though partly occupied by ionized gases will withstand whatever voltage may occur on the load side during fault condition.
- A ground plane at distance F is far enough away from the insulators of the fuse mounting to assure that reflected gases are harmless and cannot cause flashover of the fuse insulation.
- Non-inflammable objects and their finishes, at distance F from the fuse vent are not damaged.

As stated before, the listed spacing F holds for grounded objects. For energized parts, such as transformer bushings, a 50% greater spacing must be provided.

Dimension F is based on the fuse operating at rated interrupting current. At lower currents, the gas jet length is much shorter. If a fuse installation is provided with current limiting resistors, the gas blast is reduced at least as much as by the application of discharge filters. Thus, for type BA and DBA fuses with series resistors, dimension F need not be more than that listed in Table I for fuses with discharge filters. This applies for ratings up to 34.5 kv. At higher voltages one may use one half of the dimension F listed in Table III. The clearances so determined hold for grounded objects. For voltage carrying parts, they are to be increased by 50%. The use of condensers, of course, completely eliminates the gas space problem with type BA fuses.

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type BAL-1 and 2400 volt BAL-PT fuse mountings	7
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all dimensions are in inches

March, 1961

new information

mailed to: E/294/DS; D/816/DB; C/352/DB



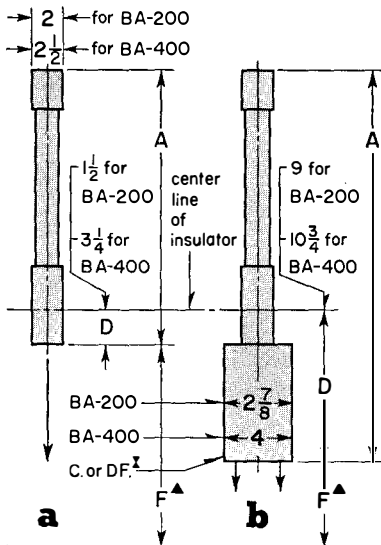
type BA refill power fuses

figure 1: schematic outlines of fuseholders, condensers, discharge filters and mountings

non-disconnect fuseholders

vented

with condenser or
discharge filter



disconnect type fuseholders

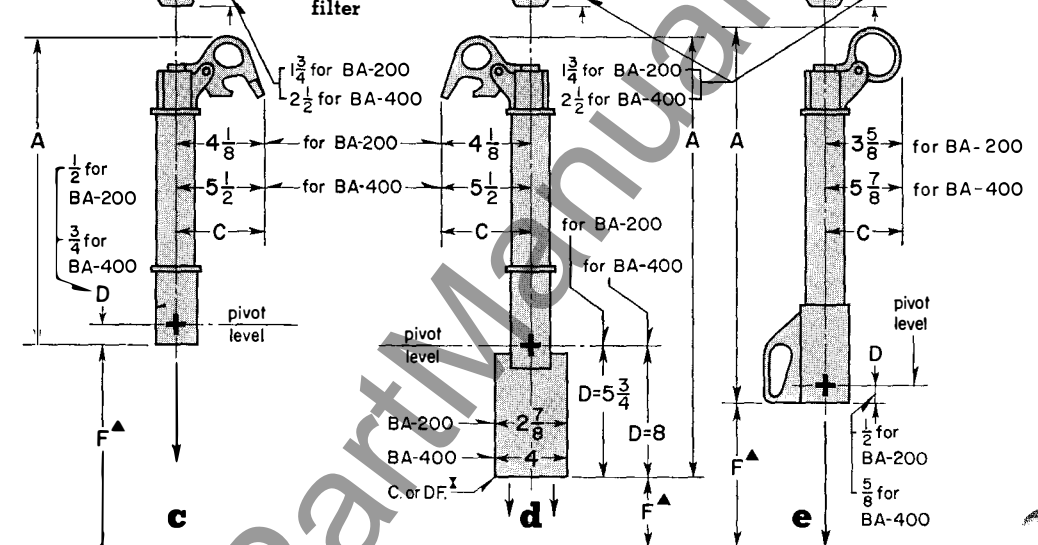
vented

75° opening

with condenser
or discharge
filter

vented

180° opening

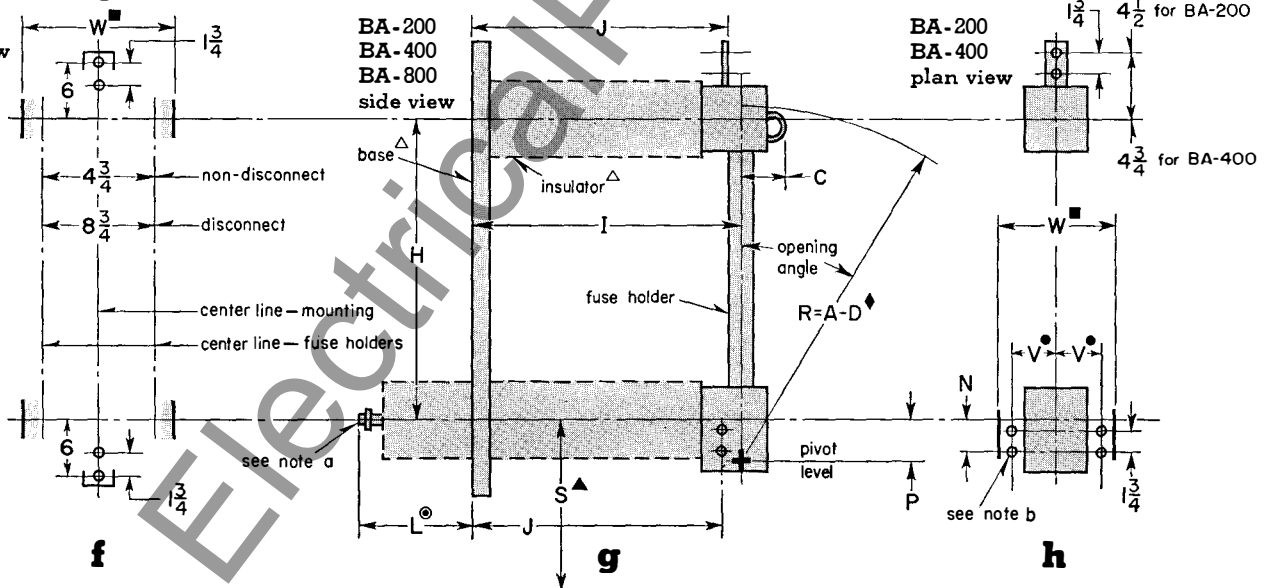


fuse mountings

BA-800
plan view

BA-200
BA-400
BA-800
side view

BA-200
BA-400
plan view



note a: 1/2" stud for BA-200 up to 14.4 kv incl. 5/8" stud for all other type BA mountings

note b: holes in all terminal pads 3/16 dia.

△ For lettered dimensions and for references on bases and insulators, see table I.

◆ For dimension D see figures 1 (a) to (e). By its reference to centerline of insulator or to pivot level dimension D defines the position of the fuse in the mounting.

I Condensers and discharge filters (C. and DF.) have the same dimensions except for their clearance F to ground.

▲ Arrows and dimension F show direction and range of arc gases emitted by vented or discharge filter equipped fuses. The gas cloud emitted by discharge

filters is almost fully deionized. Dimension F designates the minimum recommended spacing to a grounded object from the exhaust end of a vented fuse or of one equipped with discharge filter with power connected to non-vented end. The minimum distance between the centerline of the mounting insulator and the grounded object is $S = F + D + P$.

The minimum clearances to ground for condenser equipped fuses are 3, 4, 6, 8 1/2 and 12 inches for 4.8, 7.2, 14.4, 23 and 34.5 kv respectively.

● For particulars regarding number and location of terminal pads, see table I.

■ Dimension W represents maximum width of live parts.

⊙ Indoor mountings can be obtained with one or both terminals rear connected. Dimension L is 8 1/2, 9 1/2, 11 1/4, 12 1/8 and 16 inches for 4.8, 7.2, 13.2, 14.4 and 23 kv insulation respectively.

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table I: type BA refill power fuse holders and mountings
styles and outline dimensions referring to figure 1

Information on structures not listed below furnished upon request.

fuse and mounting type	fuseholder, condenser (indoor only), discharge filter			mounting (for terminals see descriptive bulletin 37-350)												base fig. no.	front connected mounting style▲
	nom. volt kv	fig. no.	style no.■	dimen- sions		insulator		dimensions									
				A	F	nom. volt kv	reference or style no.◎	H	I	J	N	P	V	W			
non-disconnect • indoor																	
BA-200 vented	7.2 14.4	1a	1318 513 1318 514	15 18½	17½ 21	7.2-† 13.2†	1581 769 1581 770	11½ 15	7 8½	5 6½	...	...	3 5	5e 5f	.....	
BA-200 with C. or DF. †	7.2 14.4	1b 1b	1318 513 1318 514	22½ 26	7½ 11½	7.2-† 13.2†	1581 769 1581 770	11½ 15	7 8½	5 6½	...	...	3 5	5e 5f	.....	
BA-400 vented	7.2 14.4	1a	1318 511 1318 512	19¾ 23¼	22 26	7.2-† 13.2†	1581 769 1581 770	16½ 19½	7½ 9	5½ 7	...	...	4 6½	5i 5m	.....	
BA-400 with C. or DF. †	7.2 14.4	1b 1b	1318 511 1318 512	27½ 31	7½ 11½	7.2-† 13.2†	1581 769 1581 770	16½ 19½	7½ 9	5½ 7	...	...	4 6½	5i 5m	.....	
BA-800 with C. or DF. †	7.2 14.4	1b	1318 511 1318 512	27½ 31	7½ 11½	7.2-† 13.2†	1581 769 1581 770	16½ 19½	7½ 9	5½ 6¾	...	...	8¾ 8¾	5i 5m	422D324G05 422D324G09
disconnect • indoor																	
BA-200 vented 75° opening	7.2 14.4	1c 1c	117D122G05 117D122G06	17 20½	17½ 21	7.2-† 13.2†	1581 769 1581 770	13¾ 17¼	7¼ 8¾	5¾ 7¼	4½ 4½	1 1	3 3	5f 5j	414D224G02 414D224G03		
BA-200 with C. or DF. † 50° opening	7.2 14.4 23 34.5	1d 1d 1d 1d	117D122G01 117D122G02 117D122G03 117D122G04	23¾ 27¼ 31¾ 38¾	7½ 11½ 15½ 21½	7.2-† 13.2† 23 34.5	1581 769 1581 770 1581 776 1581 767	13¾ 17¼ 21¾ 28¾	9¼ 10¾ 13¾ 17¾	7¾ 9¼ 11¾ 16¾	7¾ 7¾ 7¾ 7¾	3 3 2½ 2½	2¾ 2¾ 3 3	5f 5j 5n 5o	414D225G02 414D225G03 414D225G05 414D225G06		
BA-400 vented 75° opening	7.2 14.4	1c	676C880G01 676C880G02	22 25½	22 26	7.2-† 13.2†	1581 772 1581 773	13¾ 17¼	7¾ 9¾	5½ 7	1½ 1½	4 4	3¾ 3¾	5h 5l	414D226G02 414D226G03		
BA-400 with C. or DF. † 50° opening	7.2 14.4 23 34.5	1d 1d 1d 1d	676C880G01 676C880G02 676C880G03 676C880G04	29¼ 32¾ 37¼ 44¼	7½ 11½ 15 21½	7.2-† 13.2† 23 34.5	1581 772 1581 773 1581 776 1581 767	13¾ 17¼ 21¾ 28¾	10¾ 12¼ 13¾ 17¾	8½ 10 11½ 15	1¾ 1¾ 1¾ 1¾	4 4 4 4	3¾ 3¾ 3¾ 3¾	5h 5l 5n 5o	414D227G02 414D227G03 414D227G05 414D227G06		
BA-800 with C. or DF. †	7.2 14.4	1d 1d	676C880G01 676C880G02	29¼ 32¾	7½ 11½	7.2-† 13.2†	1581 772 1581 773	13¾ 17¼	10¾ 12¼	8½ 10¾	...	4 4	13¾ 13¾	5h 5l	60A1307G02 60A1307G03		
disconnect • outdoor																	
BA-200 vented 75° opening	7.2 14.4 23 34.5	1c 1c 1c 1c	423D769G05 423D769G06 423D769G07 423D769G08	17 20½ 25 32	17½ 21 26 33	...	ref. no. 1 ref. no. 4 ref. no. 7 ref. no. 10	13¾ 17¼ 21¾ 28¾	12¼ 14¾ 16¾ 19¾	10¾ 13¼ 15¾ 18¼	4½ 4½ 4½ 4½	½ ½ ½ ½	• • • •	4¼ 4¼ 4¼ 4¼	6a 6b 6c 6d	304C437G01 304C437G02 304C437G03 304C437G04	
BA-200 vented 180° opening	7.2 14.4 23 34.5	1e 1e 1e 1e	423D769G09 423D769G10 424D769G11 423D769G12	17½ 21 25½ 32½	17½ 21 26 33	7.2 14.4 23 34.5	ref. no. 1 ref. no. 4 ref. no. 7 ref. no. 10	13¾ 17¼ 21¾ 28¾	13½ 15½ 17½ 20½	11½ 14 16 19	2½ 2½ 2½ 2½	1½ 1½ 1½ 1½	1¾ 1¾ 1¾ 1¾	4¼ 4¼ 4¼ 4¼	6a 6b 6c 6d	304C108G01 304C108G02 304C108G03 304C108G04	
BA-200 with discharge filter 50° opening	7.2 14.4 23 34.5	1d 1d 1d 1d	423D769G01 423D769G02 423D769G03 423D769G04	23¾ 27¼ 31¾ 38¾	7½ 11½ 15 21½	7.2 14.4 23 34.5	ref. no. 1 ref. no. 4 ref. no. 7 ref. no. 10	13¾ 17¼ 21¾ 28¾	12¼ 14¾ 16¾ 19¾	10½ 13 15 18	7½ 7½ 7½ 7½	2½ 2½ 2½ 2½	3 3 3 3	5½ 5½ 5½ 5½	6a 6b 6c 6d	304C438G01 304C438G02 304C438G03 304C438G04	
BA-400 ven- ed 180 opening	7.2 14.4 23 34.5	1e 1e 1e 1e	423D770G05 423D770G06 423D770G07 423D770G08	22½ 25½ 30½ 37½	22 26 32 42	7.2 14.4 23 34.5	ref. no. 1 ref. no. 4 ref. no. 7 ref. no. 10	13¾ 17¼ 21¾ 28¾	13¾ 16¼ 18¼ 21¼	11¾ 13¾ 15¾ 18¾	4 4 4 4	3¾ 3¾ 3¾ 3¾	1¾ 1¾ 1¾ 1¾	4¼ 4¼ 4¼ 4¼	6a 6b 6c 6d	304C109G01 304C109G02 304C109G03 304C109G04	
BA-400 with discharge filter 50° opening	7.2 14.4 23 34.5	1d 1d 1d 1d	423D770G01 423D770G02 423D770G03 423D770G04	29¼ 32¾ 37¾ 44¼	7½ 11½ 15 21½	7.2 14.4 23 34.5	ref. no. 1 ref. no. 4 ref. no. 7 ref. no. 10	13¾ 17¼ 21¾ 28¾	12¾ 15¼ 17¼ 20¼	10½ 13 15 18	1½ 1½ 1½ 1½	4 4 4 4	3¾ 3¾ 3¾ 3¾	6½ 6½ 6½ 6½	6a 6b 6c 6d	304C444G01 304C444G02 304C444G03 304C444G04	
BA 800 vented 180° opening	7.2 14.4 23 34.5	1e 1e 1e 1e	423D770G05 423D770G06 423D770G07 423D770G08	22½ 25½ 30½ 37½	22 26 32 42	7.2 14.4 23 34.5	ref. no. 1 ref. no. 4 ref. no. 7 ref. no. 10	13¾ 17¼ 21¾ 28¾	14¼ 16¼ 18¾ 21¾	11½ 14 16 19	...	3¾ 3¾ 3¾ 3¾	• • • •	13¾ 13¾ 13¾ 13¾	6a 6b 6c 6d	30A6178G06 30A6178G07 30A6178G08 30A6178G09	
BA-800 with discharge filter 50° opening	7.2 14.4 23 34.5	1d 1d 1d 1d	423D770G01 423D770G02 423D770G03 423D770G04	29¼ 32¾ 37¾ 44¼	7½ 11½ 15 21½	7.2 14.4 23 34.5	ref. no. 1 ref. no. 4 ref. no. 7 ref. no. 10	13¾ 17¼ 21¾ 28¾	13¼ 15¼ 17¼ 20¾	10½ 13 15 18	...	4 4 4 4	• • • •	13¾ 13¾ 13¾ 13¾	6a 6b 6c 6d	30A6178G01 30A6178G02 30A6178G03 30A6178G04	

■ Style is that of fuseholder only.
Condenser for BA-200 holders is S # 1594 922, for BA-400 holders S # 1616 388.
Discharge filter for BA-200 is S # 366C453G01, for BA-400 S # 366C453G03.
▲ For styles of rear connected mountings see price list 36-620.
▲ For combinations of front and rear connection, see Headquarters.
● For characteristics and dimensions of insulators see descriptive bulletin 36-450.
Reference numbers are the NEMA Technical Reference Numbers listed in descriptive bulletin 36-450.
† In mountings with 4.8 kv insulators, dimensions I & J are 1" less.
For styles of such mountings see price list 36-620.

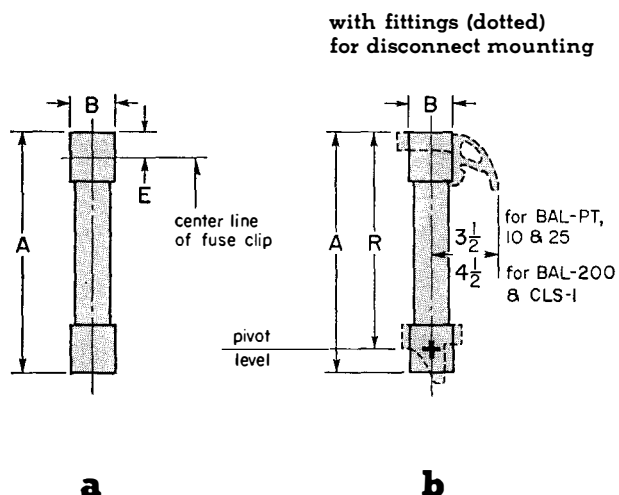
† In mountings with 14.4 kv insulators, dimensions I & J are 1½" more.
For styles of such mountings see price list 36-620.
• See notes I and A to fig. 1.
• Terminal pad on centerline of mounting.
□ Terminal pad on left hand side of mounting only.
△ Terminal pad on right hand side of mounting only.
I Terminal pads face sideways.
• With one or both terminals rear connected, add ½" to dimension I, and to dimension J if used.
♦ Terminal height on hinge side ¾" lower.



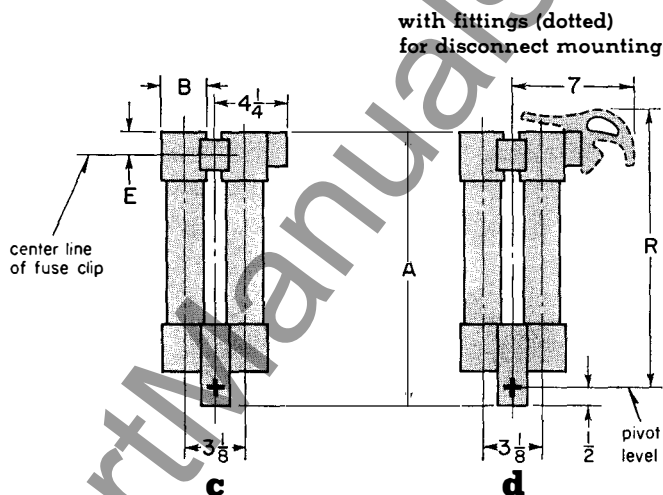
current limiting fuses

figure 2: schematic outlines of current limiting fuse units and mountings

single barrel fuse units



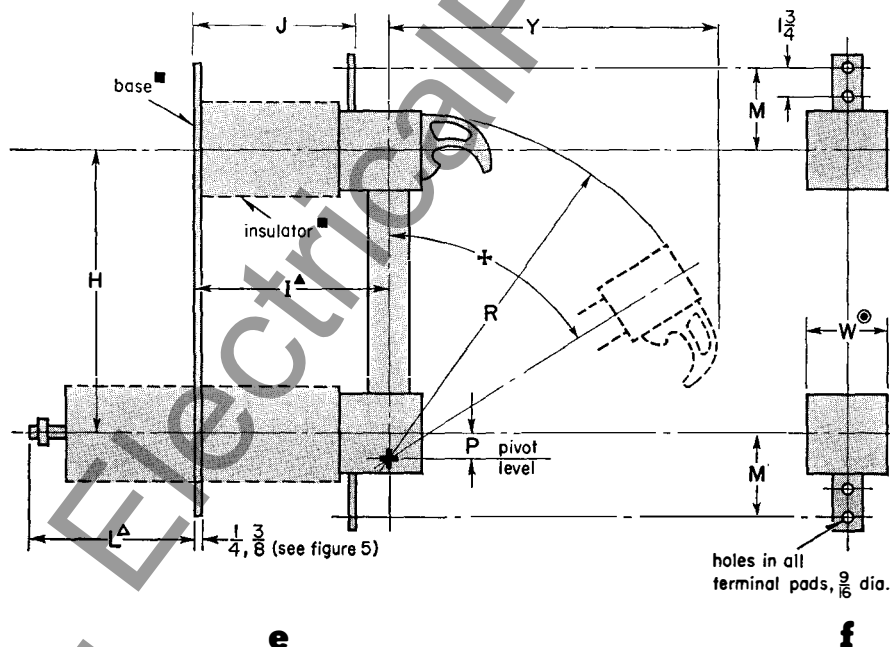
double barrel fuse units



fuse mounting

side view

plan view



■ For lettered dimensions and for references on bases and insulators see table II.

▲ For double barrel fuses, dimension I refers to the centerline between the two barrels.

△ Mountings can be obtained with one or both terminals rear connected. Dimension L is $8\frac{1}{2}$, $9\frac{1}{2}$, $11\frac{1}{4}$, $12\frac{7}{8}$ and 16 inches for 4.8, 7.2, 13.2, 14.4 and 23 kv insulation respectively.

⊙ width of live parts

✱ opening angle for fuses (b), 60°
opening angle for fuses (d), 42°

high-voltage power fuses

types BA, DBA, BAL, BAL-LR and CLS

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table II: indoor type current limiting fuse units and mountings
outline dimensions and mounting styles

Information on structures not listed below is furnished upon request.

fuse and mounting	fuse unit						mounting (for terminals see descriptive bulletin 37-350)											base fig. no.	front connected■	
	nom. volt kv	fig. no. 2	dimensions				insulator		dimensions							non- disconnect style	disconnect style			
			A	B	E	R	min. volt kv	style◎	H	I	J	M	P+	Y+	W					
BAL-1	.6 .85	(a) ..	4 5/8 6 5/8	1 3/16	5/16	...	...	...	...	...	...	...	...	...	...	4 △	365 022	...
BAL-PT	2.4	(a)	4 5/8	1 3/16	5/16	...	...	...	...	...	...	...	...	...	...	4	366 022	...
BAL-PT disconnect and non-discount	4.8 7.2 14.4 23	(a) and (b)	9 1/2 12 1/2 17 1/2	1 5/8 ...	1 1/16 ...	9 1/8 9 1/8 12 1/2 17 1/8	4.8 7.2 13.2 ▲ 23	1581 763 1581 769 1581 770 1581 776	8 1/8 8 1/8 11 1/2 16 1/8	5 3/4 6 3/4 8 3/8 12 7/8	4 1/8 5 1/8 6 3/4 11 1/4	4 1/2 4 1/2 4 1/2 5 1/4	3/8 ...	9 1/2 9 1/2 12 3/8 16 3/4	3 1/2 ...	5b 5b 5e 5k	676C236A01 676C236A02 676C236A04 676C236A06	676C233A01 676C233A02 676C233A03 676C233A06		
BAL-10 disconnect and non-disconnect	4.8 7.2 14.4	(a) and (b)	9 1/2 12 1/2 17 1/2	1 5/8 ...	1 1/16 ...	9 1/8 12 1/2 17 1/8	4.8 7.2 13.2 ▲	1581 768 1581 769 1581 770	8 1/8 11 1/2 16 1/8	5 3/4 6 3/4 8 3/8	4 1/8 5 1/8 6 3/4	4 1/2 ...	3/8 ...	9 1/2 12 1/2 16 3/8	3 1/2 ...	5b 5e 5i	676C236A01 676C237A01 676C237A03	676C233A01 676C234A01 676C234A03		
BAL-25 disconnect and non-disconnect	2.4 4.8 7.2 14.4	(a) and (b)	9 1/2 12 1/2 21 1/2	2 ...	1 1/16 ...	9 1/8 12 1/2 15 1/8 21 1/8	4.8 4.8 7.2 13.2 ▲	1581 768 1581 768 1581 769 1581 770	8 1/8 11 1/2 14 1/2 20	5 3/4 6 7 8 1/2	4 1/8 4 1/4 5 1/4 6 3/4	4 1/2 ...	3/8 ...	9 1/2 12 3/4 15 20	4 ...	5b 5e 5f 5m	676C238A02 676C238A03 676C238A05 676C238A07	676C231A02 676C231A03 676C231A05 676C231A07		
BAL-200 disconnect and non-disconnect	2.4 4.8 7.2 14.4	(a) and (b)	10 7/8 17 7/8 23 3/8	3 ...	1 15/16 ...	10 1/8 17 1/8 17 1/8 23 3/8	4.8 4.8 7.2 13.2 ▲	1581 768 1581 768 1581 769 1581 770	7 14 14 20	7 1/2 7 7/8 8 1/8 9 3/4	4 4 1/8 5 1/8 6 3/4	4 1/2 ...	1 ...	9 5/8 15 3/4 15 3/4 21	5 1/8 ...	5a 5f 5f 5m	308C427A02 308C427A03 308C427A04 308C427A06	432D140A02 432D140A05 432D140A06 432D140A10		
BAL-300 disconnect and non-disconnect	2.4 4.8 7.2 14.4	(c) and (d)	12 19 25	3 ...	1 15/16 ...	13 1/4 20 1/4 20 1/4 26 1/4	4.8 4.8 7.2 14.4	1581 768 1581 768 1581 769 1581 774	7 14 14 20	8 1/4 8 1/8 9 1/8 12 1/8	4 1/8 4 1/4 5 1/4 8 1/4	6 ...	2 3/4 ...	14 1/4 20 1/4 20 1/4 25 1/2	5 1/4 ...	5a 5f 5f 5m	116D551G01 116D551G02 116D551G03 116D551G04	432D930G01 432D930G02 432D930G03 432D930G04		
CLS-1 disconnect and non-disconnect	2.4 4.8	(a) and (b)	10 7/8 17 7/8	3 ...	1 15/16 ...	10 1/8 17 1/8	4.8 4.8	1581 768 ...	7 14	7 1/4 7 7/8	4 1/8 4 1/4	4 1/2 ...	1 ...	9 5/8 15 3/4	5 1/8 ...	5a 5f	308C427A02 308C427A03	432D140A02 432D140A05		
BAL-LR disconnect and non-disconnect	2.4 4.8	(c) and (d)	14 20	3 ...	1 15/16 ...	15 1/4 21 1/4	4.8 4.8	1581 768 ...	9 15	8 1/8 8 1/8	4 1/4 4 1/4	6 ...	2 3/4 ...	14 1/2 18 1/2	5 1/4 ...	5c 5g	116D770G01 116D770G02	1804 880 1804 892		

◎ For characteristics and dimensions of insulators see descriptive bulletin 36-450.

■ For styles of rear connected, or combinations of front and rear connected mountings see price list 36-620.

✦ Dimensions P and Y apply to disconnect mountings.

▲ In mountings with 14.4 kv insulators, dimensions I and J are 1 1/2" more. For styles of such mountings see price list 36-620. Insulators for 14.4 kv is S # 1581 774.

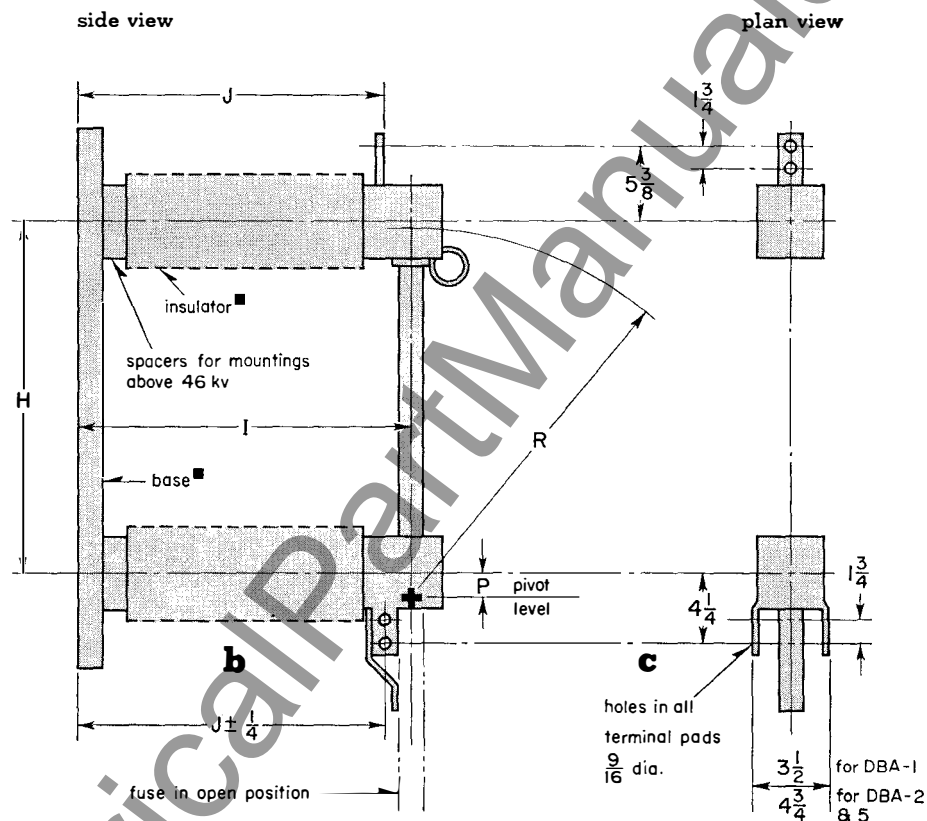
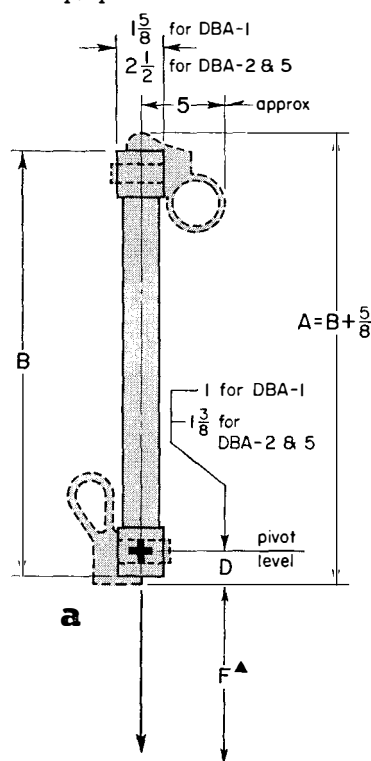
♣ For non-disconnect mountings, add 1/2" to dimension I.

△ Fuse clips S # 42518 only. Mounting hole .203" dia.

Com

fuse mountings

side view



▲ Arrow and dimension F show direction and range of arc gases emitted. Dimension F designates the minimum recommended spacing between exhaust end of fuse and a grounded surface. It applies with power connected to the non-vented end.

Information on structures not listed below, such as 45° and horizontal mountings, furnished upon request.

fuse and mounting type	nominal voltage kv	fuse unit dimensions		mounting (for terminals see descriptive bulletin 37-350)							
				dimensions					insulator ref. no. □	base figure number	mounting style number
		B	F	H	I	J	P	R			
DBA-1	7.2	13½	18	13⅝	12¾	11¼	⅜	13⅞	ref. no. 1	6a	434D830A01
	14.4	17	21	17⅞	15¼	13¾		16⅞	ref. no. 4	6b	434D830A02
	23	21½	26	21⅞	17¼	15¾		21⅞	ref. no. 7	6c	434D830A03
	34.5	28½	33	28⅞	20¼	18¾		28⅞	ref. no. 10	6d	434D830A04
	46	34	40	34⅞	24	22½		33⅞	ref. no. 13	6e	434D830A05
	69	43⅞	54	44	37¼	35¾		43½	ref. no. 16	6f	434D830A06
DBA-2 & 5	34.5	28⅞	42	27⅞	21⅞	19¼	0	27⅞	ref. no. 10	6d	434D831A01
	46	33⅞	54	33⅞	24⅞	23		32⅞	ref. no. 13	6e	434D831A02
	69	43⅞	84	43⅞	38⅞	36¼		42⅞	ref. no. 16	6f	434D831A03
DBA-2	92	52	84	51¾	57⅞	55¾	0	51¼	ref. no. 19	7a	434D831A04
	115	62	96	61¾	67⅞	65¾		61¼	ref. no. 19	7b	434D831A05
	138	72	108	71¾	72⅞	70¼		71¼	ref. no. 26	7c	434D831A06

☐ For characteristics and dimensions of insulators see descriptive bulletin 36-450. Reference numbers are the NEMA Technical Reference Numbers listed in descriptive bulletin 36-450.

high-voltage power fuses

types BA, DBA, BAL, BAL-LR and CLS

601 to 138,000 volts

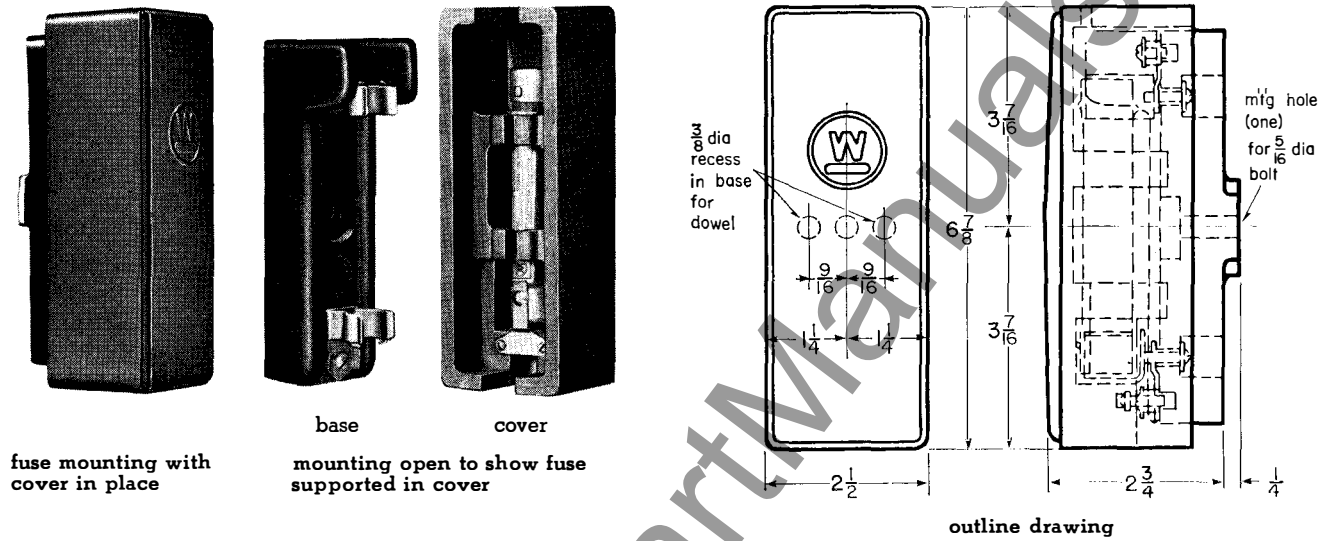
dimension
section

36-670

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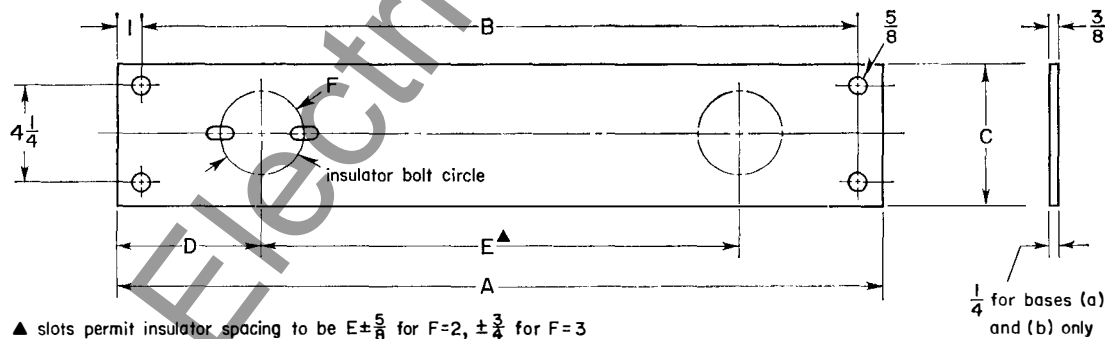
type BAL-1 and 2400 volt BAL-PT power fuses

figure 4: mounting for type BAL-1 and 2400 volt BAL-PT fuses



bases indoor

figure 5: bases for indoor power fuse mountings



dimension	figure number														
	5a	5b	5c	5d	5e	5f	5g	5h	5i	5j	5k	5l	5m	5n	5o
A	22	23	23	24	27	29	29	30 1/2	31	32	33	34	35	38 1/2	45 1/2
B	20	21	21	22	25	27	27	28 1/2	29	30	31	32	33	36 1/2	43 1/2
C	6	6	▲	6	6	6	▲	7	6	6	▲	▲	6	7	7
D	7 1/2	7 1/2	7	7 1/2	7 1/2	7 1/2	7	8 1/2	7 1/2	7 1/2	8 1/2	8 1/2	7 1/2	8 1/2	8
E	7	8	9	9	12	14	15	13 1/2	16	17	16	17	20	21 1/2	26
F	2	2	3	2	2	2	3	3	2	2	3	3	2	3	3

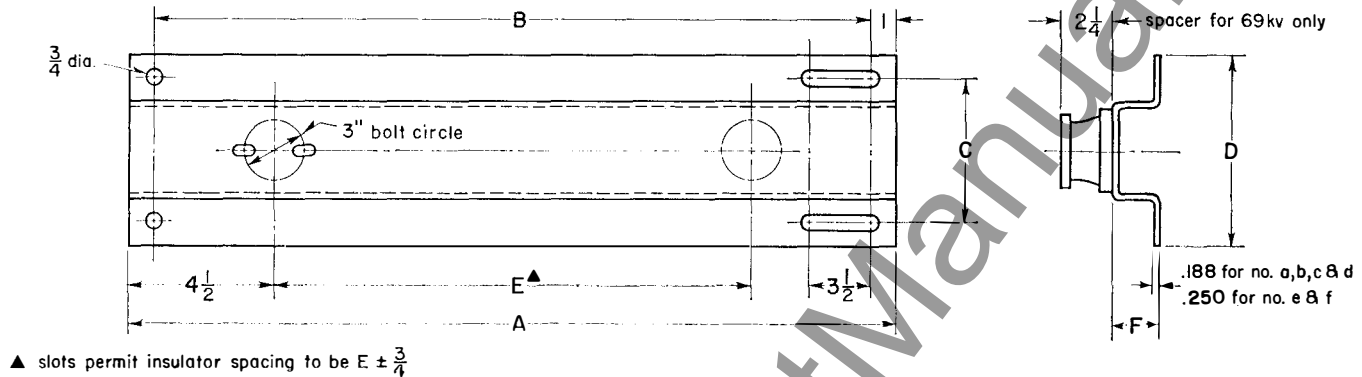
▲ 8" if one or both terminals are rear connected; otherwise 7".



bases outdoor

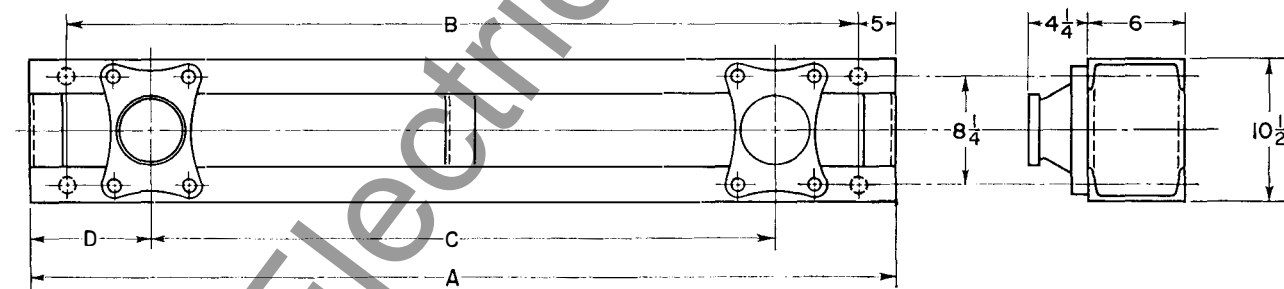
Spacings of base mounting holes conform to industry standards (NEMA SG6-3.19 as well as revised NEMA SG2). Additional holes, if required, are drilled in galvanized stock bases and dressed for rust proofing. For additional charges see price list 36-620.

figure 6: bases for outdoor fuse mountings • 7.2 to 69 kv



dimension	figure number					
	6a	6b	6c	6d	6e	6f
A	22½	26	29	35	43	53
B	20½	24	27	33	41	51
C	7	7	7	7	8¼	8¼
D	9	9	9	9	10¼	10¼
E	13½	17	21½	28½	34	43¾
F	2¼	2¼	2¼	2¼	3	3

figure 7: bases for type DBA fuse mountings • 92 to 138 kv



dimension	figure number		
	7a	7b	7c
A	66	76	88
B	56	66	78
C	51¾	61¾	71¾
D	7⅞	7⅞	8⅞