



SAFETY SWITCHES  
SINGLE AND DOUBLE THROW  
FUSIBLE AND NON-FUSIBLE

SUPPLEMENT TO  
CATALOG 30-000

PRICE CHANGE NOTICE

Listed below by catalog number are price changes effecting single and double throw, fusible and non-fusible safety switches as found on pages 6 through 9 of Catalog 30-000. The Type D switches are unchanged.

Refer to Page 6 -

Fusible - Single Throw				Non-Fusible			
Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price
AF-221	\$ 24.50	CAF-221	\$ 13.70	AU-221	\$ 23.00	(CAU-221 to CAU-226)	
AF-222	33.00	CAF-222	25.00	AU-222	30.00	Use 3-pole CAU	
AF-223	50.00	CAF-223	40.00	AU-223	49.00	Listed Below	
AF-224	83.00	CAF-224	72.00	AU-224	70.00		
AF-225	187.00	CAF-225	148.00	AU-225	160.00	CAU-321	\$ 15.20
AF-226	326.00	CAF-226	295.00	AU-226	270.00	CAU-322	28.00
AF-227	457.00	CAF-321	16.70			CAU-323	43.00
AF-228	632.00	CAF-322	29.00			CAU-324	66.00
AF-321	30.00	CAF-323	46.00			CAU-325	150.00
AF-322	43.00	CAF-324	80.00			CAU-326	265.00
AF-323	66.00	CAF-325	186.00			CAU-421	32.00
AF-324	99.00	CAF-326	335.00			CAU-422	37.00
AF-325	220.00	CAF-421	33.00			CAU-423	70.00
AF-326	366.00	CAF-422	45.00			CAU-424	123.00
AF-327	620.00	CAF-423	72.00			CAU-425	211.00
AF-328	794.00	CAF-424	130.00			CAU-426	400.00
AF-421	43.00	CAF-425	246.00				
AF-422	53.00	CAF-426	444.00				
AF-423	87.00						
AF-424	153.00						
AF-425	292.00						
AF-426	504.00						

Refer to Page 7 -

Fusible De-ion			Non-Fusible De-ion		
Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price
AF-261	41.00	CAF-351	29.00	AU-261	28.00
AF-262	43.00	CAF-352	35.00	AU-262	36.00
AF-263	66.00	CAF-353	64.00	AU-263	59.00
AF-264	99.00	CAF-354	96.00	AU-264	76.00
AF-265	229.00	CAF-451	47.00	AU-265	187.00
AF-266	362.00	CAF-452	55.00	AU-266	270.00
AF-267	560.00	CAF-453	94.00	AU-267	404.00
AF-268	788.00	CAF-454	156.00	AU-268	552.00
				CAU-351	15.20
				CAU-352	28.00
				CAU-353	43.00
				CAU-354	66.00
				CAU-451	34.00
				CAU-452	47.00
				CAU-453	87.00
				CAU-454	126.00

Prices are Effective July 10, 1953  
and are Subject to Change Without Notice

NEW INFORMATION

JULY 10, 1953

Mailed to: E42-1H,J; D63-1D,E; C26-1E; DAK; SK

Discount Symbol A

-- Series 30-000



Refer to Page 7 - (continued)

<u>Fusible De-ion</u>		<u>Non-Fusible De-ion</u>	
Catalog Number	List Price	Catalog Number	List Price
AF-351	\$ 47.00	AU-351	\$ 33.00
AF-352	50.00	AU-352	41.00
AF-353	76.00	AU-353	61.00
AF-354	123.00	AU-354	80.00
AF-355	247.00	AU-355	208.00
AF-356	416.00	AU-356	334.00
AF-357	720.00	AU-357	540.00
AF-358	942.00	AU-358	725.00
AF-451	59.00	AU-451	41.00
AF-452	64.00	AU-452	53.00
AF-453	100.00	AU-453	93.00
AF-454	169.00	AU-454	148.00
AF-455	322.00	AU-455	270.00
AF-456	524.00	AU-456	471.00

Refer to Page 8

<u>Three-Pole</u>		<u>Four-Pole</u>	
Catalog Number	List Price	Catalog Number	List Price
AF-321-I	\$ 28.00	CAF-321-I	\$ 13.70
AF-322-I	37.00	CAF-322-I	25.00
AF-323-I	59.00	CAF-323-I	40.00
AF-324-I	91.00	CAF-324-I	72.00
AF-325-I	207.00	CAF-325-I	168.00
AF-326-I	346.00	CAF-326-I	315.00
AF-327-I	499.00	CAF-421-I	16.70
AF-328-I	706.00	CAF-422-I	29.00
AF-421-I	41.00	CAF-423-I	46.00
AF-422-I	50.00	CAF-424-I	80.00
AF-423-I	79.00	CAF-425-I	206.00
AF-424-I	116.00	CAF-426-I	355.00
AF-425-I	240.00		
AF-426-I	386.00		
AF-427-I	895.00		
AF-428-I	1099.00		

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## SAFETY SWITCHES

SUPPLEMENT TO  
CATALOG 30-000 EP  
A  
G  
E  
6.3

Refer to Page 9 -

Fusible				Non-Fusible			
Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price	Catalog Number	List Price
XF-221	\$ 47.00	XF-261	\$ 95.00	XU-221	\$ 29.00	XU-262	\$ 47.00
XF-222	85.00	XF-262	98.00	XU-222	46.00	XU-263	74.00
XF-223	128.00	XF-263	171.00	XU-223	67.00	XU-264	101.00
XF-224	179.00	XF-264	208.00	XU-224	90.00	XU-265	286.00
XF-225	362.00	XF-265	389.00	XU-225	255.00	XU-266	402.00
XF-226	450.00	XF-351	101.00	XU-226	361.00	XU-352	56.00
XF-321	51.00	XF-352	104.00	XU-321	34.00	XU-353	90.00
XF-322	93.00	XF-353	183.00	XU-322	51.00	XU-354	139.00
XF-323	155.00	XF-354	274.00	XU-323	82.00	XU-355	360.00
XF-324	235.00	XF-355	509.00	XU-324	129.00	XU-356	521.00
XF-325	496.00	XF-451	152.00	XU-325	341.00	XU-452	72.00
XF-326	600.00	XF-452	155.00	XU-326	474.00	XU-453	167.00
XF-421	72.00	XF-453	270.00	XU-421	50.00	XU-454	223.00
XF-422	114.00	XF-454	348.00	XU-422	72.00	XU-455	499.00
XF-423	183.00	XF-455	598.00	XU-423	146.00	XU-456	646.00
XF-424	297.00			XU-424	203.00		
XF-425	552.00			XU-425	458.00		
XF-426	710.00			XU-426	596.00		

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WESTINGHOUSE  
Beaver Plant

ELECTRIC  
Standard Control Division

CORPORATION  
Beaver, Pa.  
Printed in U.S.A.

# SAFETY SWITCHES

## SINGLE AND DOUBLE THROW—FUSIBLE AND NON-FUSIBLE (Continued)

**TYPE D** are general purpose switches designed primarily for light duty Main Entrance Work and lighting circuits and are not recommended for interrupting inductive circuits.

**SWITCHING NEUTRAL FUSIBLE SWITCHES**—Switching neutral switches are designed with 3 poles, 3 blades and 2 fuses. May be applied when it is desired to open the neutral, and as a circuit switch on 3 wire systems with one wire grounded.

**SOLID NEUTRAL SWITCHES** with insulated groundable Neutral are used for entrance or feeder circuits. With insulated Neutral they can be used as a circuit switch where it is not desirable to open the grounded conductor of a 3, 4 or 5 conductor circuit.

**MIDGET SWITCHES** are used to control electrical refrigeration machines, stokers and other major household appliances. They

are equipped with a terminal strip for thermostat leads. The switch unit is mounted on a removable base and is for 125 volts service.

**TYPE "D" PLUG FUSE SWITCHES** are designed for light duty work.

**SHEET STEEL ENCLOSURES—NEMA TYPE I** are supplied as standard for all safety switches. Enclosures are bonderized and finished with a baked medium light grey enamel. The bonderizing process prepares the steel for painting by giving the surface a phosphate coating that is integral with the metal itself. This bonderizing coating protects and provides a secure anchor for the final enamel finish, thereby minimizing corrosion and peeling and flaking of the paint from the metal. It also confines finish damages from accidental nicks and scratches to the injury itself.

### DOUBLE THROW SWITCHES

Generally used as a transfer switch where a load is served from two sources, or where it is desired to open one circuit and close another. Either fusible or non-fusible can be had depending on application.

Standard stock switches are provided with an interlock up to 200 amperes. They have a slate insulating base, conventional type break jaws and arc barriers. The copper parts are of milled copper construction and are not removable from the front. Solderless lugs are provided.

### HOW TO INTERPRET SAFETY SWITCH CATALOG SYMBOLS

PREFIX LETTERS		NUMBERS			SUFFIX LETTERS
TYPE	CLASS	POLES	VOLTS	AMPERES	MODIFICATIONS
A = Heavy Duty Industrial, hp rated CA = Standard Duty, hp rated D = General Purpose G = Side Oper. Plug Midget H = Side Oper. Cartridge Midget P = Type "D" Plug Fuse X = Double Throw	U = Unfusible F = Fusible	1 = 1 Pole 2 = 2 Poles 3 = 3 Poles 4 = 4 Poles 5 = 5 Poles	1 = 125 Volts 2 = 250 Volts 5 = 575 Volts 6 = 600 Volts	1 = 30 Amp 2 = 60 Amp 3 = 100 Amp 4 = 200 Amp 5 = 400 Amp 6 = 600 Amp 7 = 800 Amp 8 = 1200 Amp	I = Insulated Groundable Neutral S = Switching Neutral
EXAMPLE 1.—AF-352 = Type A, fusible, 3 pole, 575 volts, 60 amperes. EXAMPLE 2.—DF-323-I = Type D, fusible (cartridge) 3 pole, 250 volts, 100 amperes, insulated groundable neutral.					

### Ordering Information

WHEN ORDERING, Specify:

- (1) Quantity, (2) Catalog and Style number, (3) Amperes, (4) Voltage, (5) Number of poles. Also any special feature or accessory needed for your application.

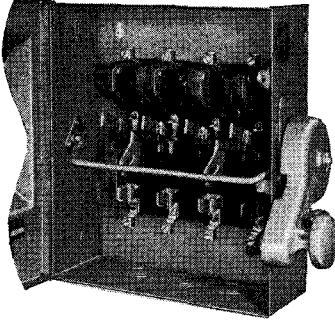
### LITERATURE REFERENCE

**APPLICATION**—See page 63 this Catalog and Application Data 29-060, page 1.  
**DIMENSIONS**—See Dimension Sheets 30-130.

# SAFETY SWITCHES

## LIST PRICES—SINGLE THROW SWITCHES

### FUSIBLE SAFETY SWITCHES—SINGLE THROW—230 VOLTS A-C, 250 VOLTS D-C



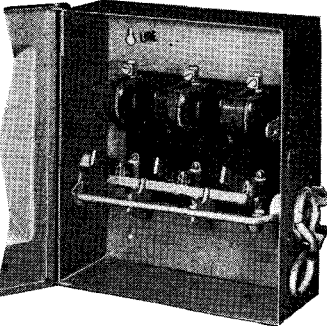
FUSIBLE TYPE A  
Catalog Number AF-422

Cover is interlocked with mechanism so it cannot be opened when switch is "on". For use on motor circuits, heavy duty industrial circuits, etc. Quick-make and quick-break.

Enclosures: General Purpose NEMA Type 1

USE	SWITCH RATING		TYPE A HEAVY DUTY INDUSTRIAL		TYPE CA STANDARD DUTY		TYPE D* GENERAL PURPOSE	
	Type A Type C only HP. D-C—A-C	AMP.	CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE
	2-POLE 	5-2 10-5 15-10 30-15 50-30 ..... ..... .....	30 60 100 200 400 600 800 1200	AF-221 AF-222 AF-223 AF-224 AF-225 AF-226 AF-227 AF-228	\$ 23.30 31.00 48.00 79.00 178.00 287.00 437.00 605.00	CAF-221 CAF-222 CAF-223 CAF-224 CAF-225 CAF-226 ..... .....	\$ 13.00 24.00 38.00 69.00 141.00 277.00 ..... .....	DF-221 DF-222 DF-223 DF-224 DF-225 DF-226 ..... .....
3-POLE 	3 7½ 15 30 50 .. .. ..	30 60 100 200 400 600 800 1200	AF-321 AF-322 AF-323 AF-324 AF-325 AF-326 AF-327 AF-328	29.00 41.00 63.00 94.00 204.00 349.00 595.00 752.00	CAF-321 CAF-322 CAF-323 CAF-324 CAF-325 CAF-326 ..... .....	15.90 28.00 44.00 76.00 160.00 318.00 ..... .....	DF-321 DF-322 DF-323 DF-324 DF-325 DF-326 ..... .....	11.00 16.00 29.00 63.00 150.00 280.00 ..... .....
4-POLE 	3 10 20 30 50 ..	30 60 100 200 400 600	AF-421 AF-422 AF-423 AF-424 AF-425 AF-426	41.00 50.00 83.00 145.00 278.00 480.00	CAF-421 CAF-422 CAF-423 CAF-424 CAF-425 CAF-426	31.00 43.00 69.00 124.00 231.00 423.00	DF-421 DF-422 DF-423 DF-424 DF-425 DF-426	14.50 27.00 65.00 113.00 205.00 385.00

### NON-FUSIBLE SAFETY SWITCHES—SINGLE THROW—230 VOLTS A-C, 250 VOLTS D-C



NON-FUSIBLE TYPE CA  
Catalog Number CAU-322

Cover interlocked—quick-make, quick-break. Designed for use in standard industrial or commercial applications where service and price are important considerations. Copper parts are of one-piece construction removable from the front and easily replaced.

Enclosures: General Purpose NEMA Type 1

2-POLE 250 VOLTS 	5-3 10-7½ 15-15 30-25 50-50 ..... ..... .....	30 60 100 200 400 600 800 1200	AU-221 AU-222 AU-223 AU-224 AU-225 AU-226	\$ 21.95 29.00 47.00 67.00 124.00 214.00	CAU-221 CAU-222 CAU-223 CAU-224 CAU-225 CAU-226	\$ 11.70 20.60 26.65 47.00 117.00 219.00	DU-221 DU-222 DU-223 DU-224 DU-225 DU-226	\$ 5.20 11.50 25.00 46.00 120.00 220.00
				Use 575-Volt Switches Page 7				
3-POLE 230 VOLTS 	5 10 20 40 50 ..	30 60 100 200 400 600	AU-321	25.60	CAU-321 CAU-322 CAU-323 CAU-324 CAU-325 CAU-326	14.50 26.50 40.00 63.00 117.00 229.00	DU-321 DU-322 DU-323 DU-324 DU-325 DU-326	5.20 11.50 25.00 46.00 120.00 240.00
				Use 575-Volt Switches Page 7				
4-POLE 230 VOLTS 	5 15 25 50 50 ..	30 60 100 200 400 600			CAU-421 CAU-422 CAU-423 CAU-424 CAU-425 CAU-426	26.60 35.00 67.00 117.00 201.00 351.00	DU-421 DU-422 DU-423 DU-424 DU-425 DU-426	12.00 25.00 60.00 105.00 183.00 320.00
				Use 575-Volt Switches Page 7				

\* These switches are not recommended for inductive circuits.

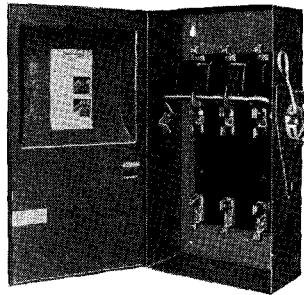
† These switches are not bonderized, but are given a zinc chromate primer and grey enamel finish.

NOTE: Standard switches 600 amps and above are not provided with knockouts.

BEFORE APPLYING FUSIBLE SWITCHES, SEE PAGE 63

# SAFETY SWITCHES

## LIST PRICES—SINGLE THROW SWITCHES



FUSIBLE TYPE CA  
Catalog CAF-353

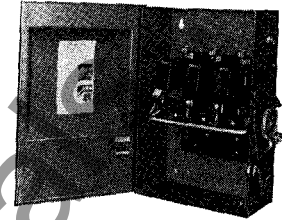
### Principle of the DE-ION ARC QUENCHER



**THE OLD WAY**  
Arc hangs on until broken  
by stretching.



**THE WESTINGHOUSE WAY**  
Arc divided into smaller  
arcs in series and then  
extinguished.



NON-FUSIBLE TYPE CA  
Catalog CAU-352

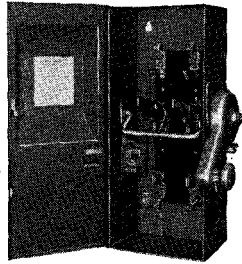
FUSIBLE DE-ION 575 V. A-C, 600 V. D-C						NON-FUSIBLE DE-ION 230-575 V. A-C, 600 V. D-C												
Enclosures: General Purpose NEMA Type 1						Enclosures: General Purpose NEMA Type 1												
USE	SWITCH RATING		TYPE A HEAVY DUTY INDUSTRIAL		TYPE CA STANDARD DUTY		USE	SWITCH RATING		TYPE A HEAVY DUTY INDUSTRIAL		TYPE CA STANDARD DUTY						
	HP	AMP	CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE		HP	AMP	CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE					
<b>2-POLE 600 VOLTS</b> 	7½	30	AF-261	\$ 39.00	Use Type A Switches Listed at Left		<b>2-POLE 600 VOLTS</b> 	7½	30	AU-261	\$ 26.60	Use Type A Switches Listed at Left						
	15	60	AF-262	41.00				15	60	AU-262	34.00							
	25	100	AF-263	63.00				25	100	AU-263	56.00							
	50	200	AF-264	94.00				50	200	AU-264	72.00							
	400	400	AF-265	218.00				400	400	AU-265	178.00							
	600	600	AF-266	347.00				600	600	AU-266	257.00							
	800	AF-267	535.00		800	AU-267	386.00		1200	AF-268	752.00		1200	AU-268	527.00			
<b>3-POLE 575 VOLTS</b> 	7½	30	AF-351	45.00	CAF-351	\$ 27.50	<b>3-POLE 575 VOLTS</b> 	Volts A-C		AU-351 AU-352 AU-353 AU-354 AU-355 AU-356 †AU-357 †AU-358	31.00 39.00 58.00 76.00 198.00 318.00 516.00 692.00	CAU-351 CAU-352 CAU-353 CAU-354 ..... ..... ..... .....	\$ 14.50 26.50 52.00 63.00 ..... ..... ..... .....					
	20	60	AF-352	48.00	CAF-352	33.50		230	10					30	AU-351	31.00	CAU-351	\$ 14.50
	30	100	AF-353	72.00	CAF-353	61.00		25	25					60	AU-352	39.00	CAU-352	26.50
	50	200	AF-354	117.00	CAF-354	91.00		40	40					100	AU-353	58.00	CAU-353	52.00
	400	400	AF-355	238.00	.....	.....		50	50					200	AU-354	76.00	CAU-354	63.00
	600	600	AF-356	396.00	.....	.....		600	600					400	AU-355	198.00	.....	.....
	800	†AF-357	692.00	.....	.....			800	†AU-357	516.00	.....	.....						
	1200	†AF-358	910.00	.....	.....			1200	†AU-358	692.00	.....	.....						
<b>4-POLE 575 VOLTS</b> 	7½	30	AF-451	56.00	CAF-451	45.00	<b>4-POLE 575 VOLTS</b> 	5	10	AU-451	39.00	CAU-451	32.00					
	20	60	AF-452	61.00	CAF-452	52.00		15	25	60	AU-452	50.00	CAU-452	45.00				
	30	100	AF-453	95.00	CAF-453	92.00		25	40	100	AU-453	89.00	CAU-453	83.00				
	50	200	AF-454	161.00	CAF-454	149.00		50	50	200	AU-454	141.00	CAU-454	120.00				
	400	400	AF-455	307.00	.....	.....		50	600	400	AU-455	257.00	.....	.....				
	600	600	AF-456	499.00	.....	.....				600	AU-456	449.00	.....	.....				

† These switches are not bonderized, but are given a zinc chromate primer and grey enamel finish.  
NOTE: Standard switches 600 amperes and above are not provided with knockouts.

BEFORE APPLYING FUSIBLE SWITCHES, SEE PAGE 63

Prices Effective May 15, 1953; Subject to Change Without Notice

# SAFETY SWITCHES



Catalog AF-323-I

## SWITCHING AND SOLID NEUTRAL FUSIBLE SWITCHES

**SOLID NEUTRAL** which is insulated groundable may be used for entrance work or as a circuit switch where it is not desirable to open the grounded conductor of a three, four or five conductor circuit.

**SWITCHING NEUTRAL** may be used when it is desired to open the neutral, and as a circuit switch on 3-wire systems with one wire grounded.

**WHEN ORDERING:** Specify standard catalog number and specify suffix "S".

## LIST PRICES—SOLID NEUTRAL FUSIBLE SWITCHES

Single Throw for Grounded Distribution Systems  
Enclosures: General Purpose NEMA Type 1

USE	SWITCH RATING		TYPE A HEAVY DUTY INDUSTRIAL		TYPE CA STANDARD DUTY		TYPE D* GEN. PURPOSE	
	TYPE A TYPE C ONLY HP	AMP	CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE
<b>3-POLE SN</b> 	<b>3-POLE SOLID NEUTRAL—125-250 VOLTS D-C**—230 VOLTS A-C</b>							
	3	30	AF-321-I	\$ 26.60	CAF-321-I	\$ 13.00	DF-321-I	\$ 6.60
	7½	60	AF-322-I	35.00	CAF-322-I	24.00	DF-322-I	11.50
	15	100	AF-323-I	56.00	CAF-323-I	38.00	DF-323-I	25.00
	30	200	AF-324-I	87.00	CAF-324-I	69.00	DF-324-I	46.00
	50	400	AF-325-I	198.00	CAF-325-I	141.00	DF-325-I	135.00
	..	600	AF-326-I	318.00	CAF-326-I	277.00	DF-326-I	265.00
	..	800	†AF-327-I	476.00	.....	.....	.....	.....
..	1200	†AF-328-I	674.00	.....	.....	.....	.....	
<b>4-POLE SN</b> 	<b>4-POLE SOLID NEUTRAL—230 VOLTS A-C</b>							
	3	30	AF-421-I	39.00	CAF-421-I	15.90	DF-421-I	11.00
	7½	60	AF-422-I	48.00	CAF-422-I	28.00	DF-422-I	16.00
	15	100	AF-423-I	75.00	CAF-423-I	44.00	DF-423-I	29.00
	30	200	AF-424-I	110.00	CAF-424-I	76.00	DF-424-I	63.00
	50	400	AF-425-I	229.00	CAF-425-I	196.00	DF-425-I	165.00
	..	600	AF-426-I	382.00	CAF-426-I	351.00	DF-426-I	315.00
	..	800	†AF-427-I	855.00	.....	.....	.....	.....
..	1200	†AF-428-I	1049.00	.....	.....	.....	.....	

\* These switches are not recommended for inductive circuits.

\*\* 125-250 Volts or 125/250 Volts means 125 volts to ground unless otherwise noted.

† These switches are not bonderized, but are given a zinc chromate primer and grey enamel finish.

**NOTE:** Standard switches 600 amperes and above are not provided with knockouts.

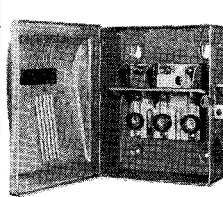
## LIST PRICES—MIDGET SWITCHES



For refrigeration machines, stokers and other major household appliances. Has terminal strips for thermostat leads. Removable base.

125 VOLTS A-C OR D-C					
AMPS	POLES	SWITCH BLADES	FUSES	CATALOG NUMBER	LIST PRICE
30	2SN	1	1 Plug	GF-211-I	\$3.60
30	2SN	1	1 NEC	HF-211-I	3.60

## LIST PRICES — GENERAL PURPOSE TYPE D SWITCH FOR PLUG FUSES



For light duty work.

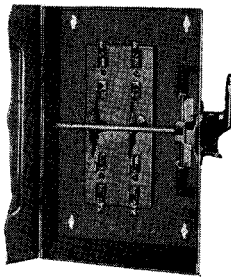
125/250 VOLTS A-C OR D-C*					
AMPS	POLES	BLADES	FUSES	CATALOG NUMBER	LIST PRICE
30	2	2	2	PF-211	\$4.30
30	1	1	1	PF-211-I	4.00
30	3	3	3	PF-311	7.60
30	3	3	2	PF-311-S	7.60
30	3	2	2	PF-311-I	4.60

\* 125-250 volts or 125/250 volts means 125 volts to ground unless otherwise noted.

**BEFORE APPLYING FUSIBLE SWITCHES, SEE PAGE 63**

Prices Effective May 15, 1953; Subject to Change Without Notice

# SAFETY SWITCHES



Catalog XF-223

## DOUBLE THROW SAFETY SWITCHES

Generally used as a transfer switch where a load is served from two sources or where it is desired to open one circuit and close another.

Positive-make and quick-break handle arranged so it can be padlocked in "Off" position.

Copper parts of milled copper construction and are not removable from the front.

Conventional type break jaws and arc barriers.

Standard stock switches are provided with interlock up to 200 amperes, inclusive.

Solderless lugs are provided.

These switches are not bonderized.

## LIST PRICES—DOUBLE THROW SAFETY SWITCHES

Enclosures: General Purpose NEMA Type 1

FUSIBLE						NON-FUSIBLE					
USE	AMP	230 V. A-C—250 V. D-C		575 V. A-C—600 V. D-C		USE	AMP	230 V. A-C—250 V. D-C		575 V. A-C—600 V. D-C	
		CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE			CAT. NO.	LIST PRICE	CAT. NO.	LIST PRICE
2-POLE 	30	XF-221	\$ 44.00	XF-261	\$ 89.00	2-POLE 	30	XU-221	\$ 27.00	†	.....
	60	XF-222	79.00	XF-262	92.00		60	XU-222	43.00	XU-262	\$ 44.00
	100	XF-223	120.00	XF-263	160.00		100	XU-223	63.00	XU-263	69.00
	200	XF-224	167.00	XF-264	194.00		200	XU-224	84.00	XU-264	94.00
	400	XF-225	338.00	XF-265	364.00		400	XU-225	238.00	XU-265	267.00
600	XF-226	421.00	.....	.....	600	XU-226	337.00	XU-266	376.00		
3-POLE 	30	XF-321	48.00	XF-351	94.00	3-POLE 	30	XU-321	32.00	†	.....
	60	XF-322	87.00	XF-352	97.00		60	XU-322	48.00	XU-352	52.00
	100	XF-323	145.00	XF-353	171.00		100	XU-323	77.00	XU-353	84.00
	200	XF-324	220.00	XF-354	256.00		200	XU-324	121.00	XU-354	130.00
	400	XF-325	464.00	XF-355	476.00		400	XU-325	319.00	XU-355	337.00
600	XF-326	561.00	.....	.....	600	XU-326	443.00	XU-356	487.00		
4-POLE 	30	XF-421	67.00	XF-451	142.00	4-POLE 	30	XU-421	47.00	†	.....
	60	XF-422	107.00	XF-452	145.00		60	XU-422	67.00	XU-452	74.00
	100	XF-423	171.00	XF-453	252.00		100	XU-423	136.00	XU-453	156.00
	200	XF-424	278.00	XF-454	325.00		200	XU-424	190.00	XU-454	208.00
	400	XF-425	516.00	XF-455	559.00		400	XU-425	428.00	XU-455	466.00
600	XF-426	664.00	.....	.....	600	XU-426	557.00	XU-456	604.00		

† Use 60 ampere switch.

## DE-ION ARC QUENCHERS

WITH DE-ION GRIDS FOR 575 VOLT A-C—600 VOLT D-C SWITCHES				WITHOUT DE-ION GRIDS FOR 230 VOLTS A-C—250 VOLT D-C SWITCHES				
AMP	REQ'D. PER POLE	STYLE NO.	LIST PRICE	AMP	POLES	REQ'D. PER SWITCH	STYLE NO.	LIST PRICE
30	1	1320 784	\$2.65	30	2P, 3PSN	1	1420 506	\$3.35
60	1	1320 784	2.65	30	4P, 5PSN	2	1420 506	3.35
*100	1	1343 702	4.00	30	3P, 4PSN	1	1420 507	3.35
*200	1	1300 187	4.00	60	All	1 per pole	1320 785	2.65

\*These arc quenchers can also be installed on 2 pole, 250 volt Type A Fused Switches. One arc quencher support per pole is required for 100 and 200 amp, 3 or 4 pole, 250 volt switches. The support is style number 1300190 at \$.50 list each.

## SOLDERLESS LUGS FURNISHED ON SAFETY SWITCHES

SWITCH RATING	MAXIMUM WIRE SIZE	MINIMUM WIRE SIZE
60	2	8
100	0	2
200	0000	00
▲400	2-350 MCM	2-1/0
▲600	2-500 MCM	2-4/0
800†	4-350 MCM	4-1/0
1200††	5-500 MCM	5-4/0

▲ Has one double lug per pole.  
† Has two double lugs per pole.  
†† Has two double lugs and one single lug per pole.

## LIST PRICE ADDITIONS—SPECIAL FEATURES

*CADMIUM FINISH OR ZINC CHROMATE PRIMER ON	APPROXIMATE LIST PRICE ADDITION	SPECIAL DRILLING (Sheet Steel Only)	NET PER HOLE NO DISCOUNT
30-amp Switches.....	\$ 2.90	Holes 1¼-inch or less.....	\$2.25
60-amp Switches.....	7.30		
100-amp Switches.....	13.20	Holes 1½-inch or larger.....	3.75
200-amp Switches.....	19.10		
400-amp Switches.....	36.00		
600-amp Switches.....	36.00		
800-amp Switches.....	74.00		
1200-amp Switches.....	103.00		

\*Use of Cadmium restricted during present emergency.

BEFORE APPLYING FUSIBLE SWITCHES, SEE PAGE 63

**DISCOUNT SYMBOL**



Series 30-000

Prices Effective May 15, 1953; Subject to Change Without Notice

**Westinghouse**

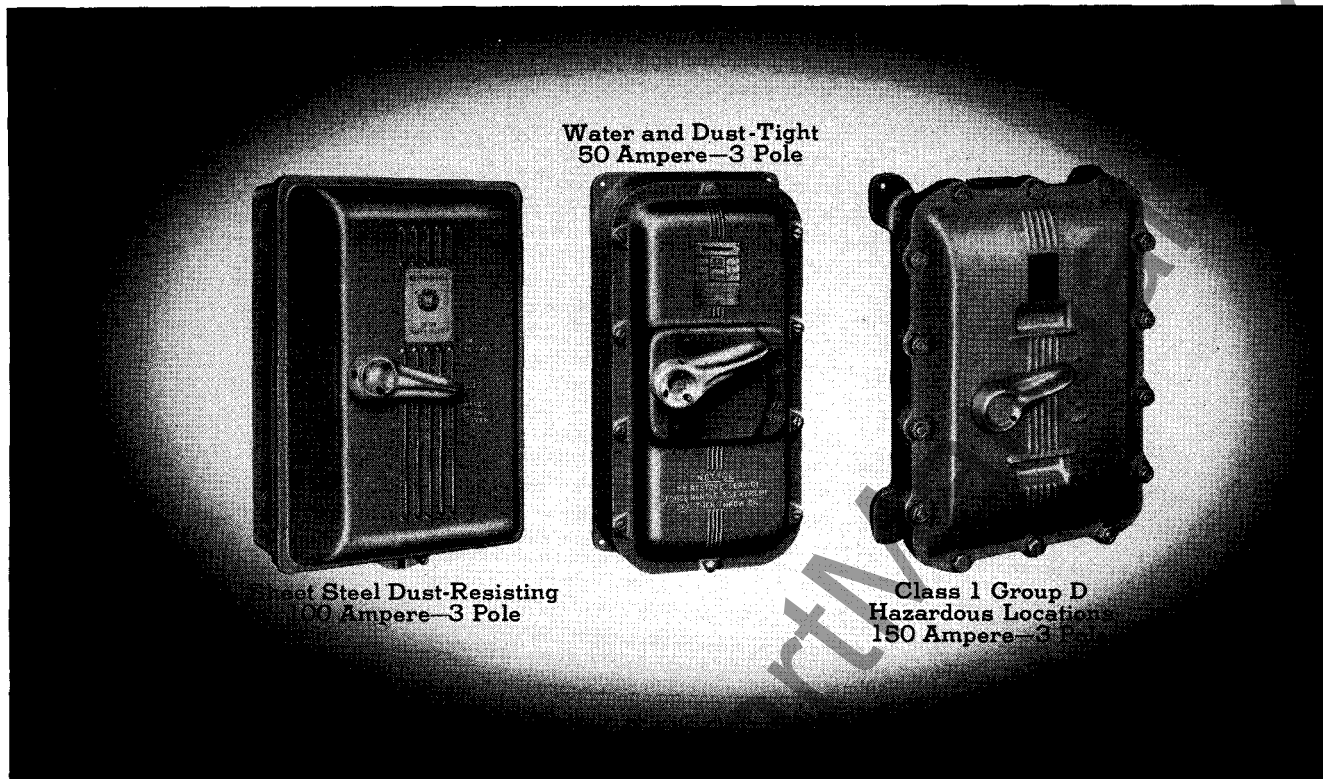
Supersedes Catalog 30-000, pages 9 and 10, dated February 5, 1953  
E42-1H,J; D63-1D; C26-1E; DAK;SK

MAY 15, 1953



# AB-1 DE-ION CIRCUIT BREAKERS

FOR PROTECTION OF LIGHT AND POWER CIRCUITS



## WESTINGHOUSE SPECIAL FEATURES

- **DE-ION ARC QUENCHERS**—Instantly extinguishes arcs and makes contacts last many times longer.
- **LOW MAINTENANCE COSTS**—Eliminates calls to replace fuses. Over-center toggle mechanism provides Quick-Make—Quick-Break action. This feature and the De-ion arc quencher, reduces arcing and burning of contacts.
- **SAVES SPACE**—Requires approximately 40% less mounting space than conventional fusible safety switches. Operating handle in front permits close banking of units.
- **LOW WATTS LOSS**—Considerable power savings over fused equipment results from lower watts loss.
- **ACCURATE POSITIVE ACTION**—Breakers are individually calibrated and tested. Thermal elements are sealed at factory to prevent tampering.
- **BETTER MOTOR PROTECTION**—Common trip opens all poles when overload occurs—eliminates single-phasing. Breaker cannot be held closed against overloads or shorts. It is trip-free.
- **INVERSE TIME-DELAY PROTECTION**—Provided by bi-metal thermal tripping element in all breakers, except the oil-immersed type, magnetic trip and De-ion circuit interrupters.

**TYPE AB-1 NOFUZE DE-ION CIRCUIT BREAKERS** are fuseless protective devices that protect insulated conductors from the effects of over-current and short circuits. They permit temporary light overloads, but will trip instantly when a heavy overload develops.

These circuit breakers are widely used for the protection of circuits in industrial plants, commercial buildings, apartment houses, or any place where fuses, fuse switches, and similar protective devices would be used.

The following enclosures are available to meet varied applications:

- Sheet Steel—Dust Resisting—NEMA 1A
- Cast Iron—Water & Dust Tight—NEMA 3-4-5
- Cast Iron—Class I, Explosion Proof—NEMA 7
- Cast Iron—Class II, Explosion Proof—NEMA 9
- Sheet Steel—Flush & Surface Mtg.—with Neutral—NEMA 1 & 1B
- Sheet Steel—Supplementary Flush & Surface Mtg.—NEMA 1 & 1B
- Sheet Steel—Raintight—NEMA 3
- Oil Immersed—Class I, Explosion Proof or Corrosion Resisting—NEMA 8 or 11.

All sheet steel enclosures are bonderized before applying the final baked enamel. The bonderizing process minimizes corrosion by providing a secure anchor for the final finish.

**NOTE: APPLICATION OF THERMAL CIRCUIT BREAKERS**—Where it is definitely known that AB-1 Breakers will be applied at other than normal ambients (25°C.), see page 63.