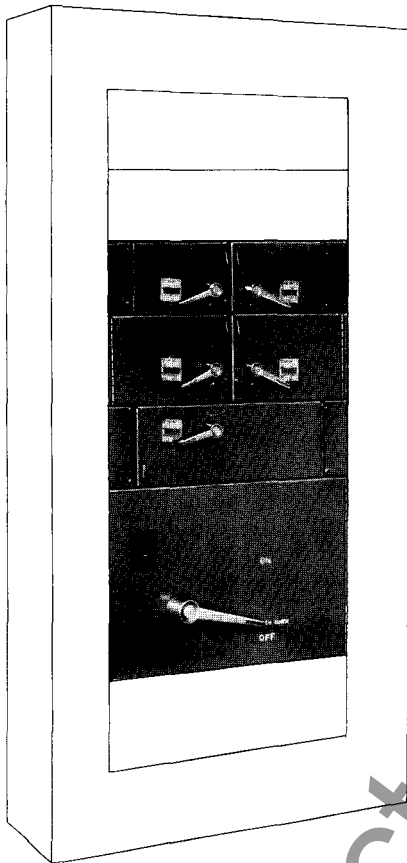




March, 1978  
 Supersedes Price List 29-620,  
 pages 1-4 dated February 19, 1974,  
 and Supp. Page .01 dated September 26, 1974.  
 Mailed to: E, D, C/1904/1928, 1929/PL

250, 600 Volts Ac, 250 Volts Dc  
 30-1200 Amperes

## Type FDP Fusible Panelboard Switches



FDP Switch Units  
 Assembled in Panelboard

### Ratings

**30-1200 Amperes, 250 and 600 Volts Ac, 250 Volts Dc, 2 and 3 Pole**

Switch units rated 30-1200 amperes are UL Listed. Two pole, 30-600 amp switches, are UL Listed for use on 3-phase Delta, grounded B phase applications as indicated in Hp table page 3.

### Application

Type FDP fusible panelboard switches are designed for commercial, industrial and service entrance applications to protect and switch feeder and branch circuits.

### Description

Type FDP fusible panelboard units incorporate special quick-make, quick-break open switches, housed in sheet steel enclosures. The units are designed for installation in conventional type CDP Distribution Panelboard chassis.

All standard FDP switches rated 30 thru 600 amperes are designed for use with the standard N.E.C. fuse. However, the latest design switches with catalog number suffix "R" are adaptable for use with Class R, or Class J fuses as noted on page 4. Switches rated 800-1200 amperes accept NEMA class L fuses as noted on page 3.

These switches may be padlocked in either the ON or OFF position and, in addition, have a cover interlock which may be padlocked for optimum security.

### Capacitor Switching

For application of FDP switches for capacitor switching, refer to Westinghouse.

### Selection

Type FDP units are available in eight sizes. In order to select a particular unit, the following data must be known.

1. Voltage rating.
2. Current or horsepower rating (refer to horsepower table on page 3.)
3. Number of poles.

Knowing the voltage and current ratings, the proper size switch can be found by referring to the Application Table and Layout Drawing below. Knowing the number of poles, the particular FDP switch can be selected from the following pages.

### Application Table

Ampere Rating	Volts	Unit Required
30	250 Ac or Dc	5½" Twin
	600 Ac	5½" Twin
60	250 Ac or Dc	5½" Twin
	600 Ac	5½" Twin
100	250 Ac or Dc	5½" Twin
	600 Ac	6¾" Single or Twin
200	250 Ac or Dc	8¾" Single
	600 Ac	8¾" Single
400	250 Ac or Dc	15¾" Single
	600 Ac	15¾" Single
600	250 Ac or Dc	15¾" Single
	600 Ac	15¾" Single
800	600 Ac	22" Single
1200	600 Ac	22" Single

### Layout Drawing

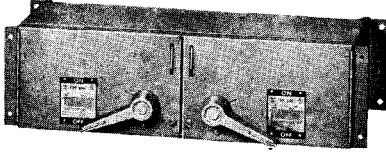
4X	100A   100A	5½"
5X	100A	6¾"
6X	200A	8¾"
5X	100A   100A	6¾"
11X	400 or 600A	15½"
16X	800 or 1200A	22"

**Switch Selection Guide**

For List Prices, Refer to Price List 29-020

**5½ Inch Twin Unit**

250, 600 Volts Ac, 250 Volts Dc,  
100 Amps Max.



**18 In. Wide, 4X Units (5½ In.) High**

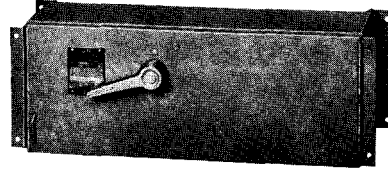
Panelboard Connectors: Included  
Class R Fuse Clip Conversion Kit: Page 4  
Extension Wings: Page 4  
Dimensions, Wire Range: DS 29-670, page 2  
Current Limiting Fuse Provision: Page 4  
Shipping Weights: 2 Pole, 18 Lbs.  
3 Pole, 19 Lbs.  
Horsepower Ratings: Page 3

Ampere Rating		Catalog Numbers	
Unit 1	Unit 2	2 Poles	3 Poles
<b>250 Volts Ac, 250 Volts Dc</b>			
30	30	FDPT2211 R	FDPT3211 R
30	60	FDPT2212 R	FDPT3212 R
30	100	FDPT2213 R	FDPT3213 R
60	60	FDPT2222 R	FDPT3222 R
60	100	FDPT2223 R	FDPT3223 R
100	100	FDPT2233 R	FDPT3233 R

600 Volts Ac			
Unit 1	Unit 2	2 Poles	3 Poles
30	30	FDPT2611 R	FDPT3611 R
30	60	FDPT2612 R	FDPT3612 R
60	60	FDPT2622 R	FDPT3622 R

**6¾ Inch Single Units**

600 Volts Ac, 100 Amps Max.



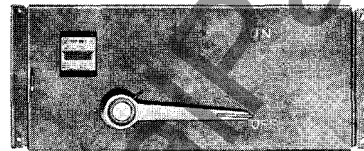
**18 In. Wide, 5X Units (6¾ In.) High**

Panelboard Connectors: Included  
Class R Fuse Clip Conversion Kit: Page 4  
Extension Wings: Page 4  
Dimensions, Wire Range: DS 29-670, Page 3  
Current Limiting Fuse Provision: Page 4  
Shipping Weights: 3 Pole, 17 Lbs.  
Horsepower Ratings: Page 3

Ampere Rating	Catalog Numbers	
	2 Poles	3 Poles
100	FDPS263R	FDPS363R

**8¾ Inch Single Unit**

250, 600 Volts Ac, 250 Volts Dc,  
200 Amps



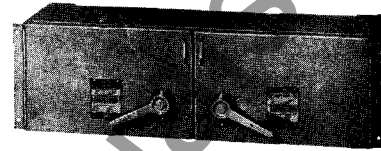
**18 In. Wide, 6X Units (8¾ In.) High**

Panelboard Connectors: Page 4  
Class R Fuse Clip Conversion Kit: Page 4  
Extension Wings: Page 4  
Dimensions, Wire Range: DS 29-670, page 4  
Current Limiting Fuse Provision: Page 4  
Shipping Weights: 2 Pole, 23 Lbs.  
3 Pole, 23 Lbs.  
Horsepower Ratings: Page 3

Ampere Rating	Catalog Numbers	
	2 Poles	3 Poles
<b>250 Volts Ac, 250 Volts Dc</b>		
200	FDPS224R	FDPS324R
<b>600 Volts Ac</b>		
200	FDPS264R	FDPS364R

**6¾ Inch Twin Unit**

600 Volts Ac, 100 Amps Max.



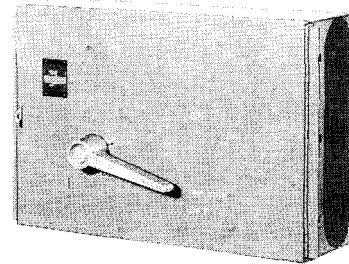
**22 In. Wide, 5X Units (6¾ In.) High**

Panelboard Connectors: Included  
Class R Fuse Clip Conversion Kit: Page 4  
Dimensions, Wire Range: DS 29-670, Page 5  
Current Limiting Fuse Provision: Page 4  
Shipping Weights: 2 Pole, 21 Lbs.  
3 Pole, 22 Lbs.  
Horsepower Ratings: Page 3

Ampere Rating	Catalog Numbers		
	Unit 1	Unit 2	3 Poles
30	100	FDPT2613 R	FDPT3613 R
60	100	FDPT2623 R	FDPT3623 R
100	100	FDPT2633 R	FDPT3633 R

**15¼ Inch Single Unit**

400 and 600 Amps  
250, 600 Volts Ac, 250 Volts Dc,  
Horizontal Design, Line Side of  
Switch to Left



**22 In. Wide, 11X Units (15¼ In.) High**

Options: Page 4  
Class R Fuse Clip Conversion Kit: Page 4  
Panelboard Connectors: Page 4  
Dimensions, Wire Range: DS 29-670, Page 6  
Current Limiting Fuse Provision: Page 4  
Shipping Weights: 2 Pole, 51 Lbs.  
3 Pole, 52 Lbs.

Ampere Rating	Catalog Numbers	
	2 Poles	3 Poles
<b>250 Volts Ac, 250 Volts Dc</b>		
400	FDP225R	FDP325R
600	FDP226R	FDP326R
<b>600 Volts Ac<sup>①</sup></b>		
400	FDP265R	FDP365R
600	FDP266R	FDP366R

① Class R fuse rating is 480 volts Ac 100,000 amps maximum.

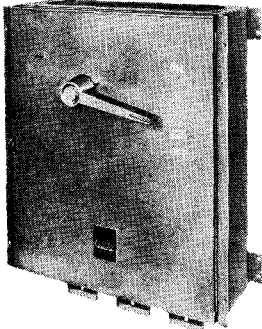
www.Electrification.com



400A LUGS STR #1270C90H01 #12  
600A LUGS .. #1270C91H02 #20

**Switch Selection Guide, Continued**  
For List Prices, Refer to Price List 29-020

**400 and 600 Amps**  
**250, 600<sup>ⓐ</sup> Volts Ac, 250 Volts Dc**  
Vertical Design, Line Side of Switch  
at Top or Bottom  
18 In. Wide, 16X Units (22 In.) High

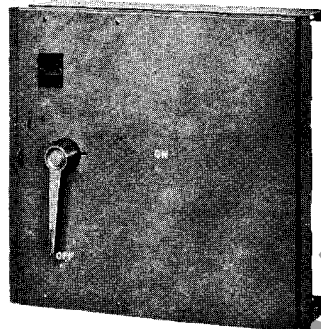


Switch With Line Side at Top

Options: Page 4  
Class R Fuse Clip Conversion Kit: Page 4  
Dimensions; DS 29-670, Pages 6.1, 6.2  
Current Limiting Fuse Provision: Page 4  
Shipping Weights: 2 Pole, 51 lbs.  
3 Pole, 52 lbs.

Ampere Rating	Line Side at Top		Line Side at Bottom	
	2 Poles	3 Poles	2 Poles	3 Poles
<b>250 Volts Ac, 250 Volts Dc</b>				
400	FDP225TR	FDP325TR	FDP225BR	FDP325BR
600	FDP226TR	FDP326TR	FDP226BR	FDP326BR
<b>600 Volts Ac<sup>ⓑ</sup></b>				
400	FDP265TR	FDP365TR	FDP265BR	FDP365BR
600	FDP266TR	FDP366TR	FDP266BR	FDP366BR

**800 and 1200 Amps**  
**600 Volts Ac**  
Horizontal Design, Line Side of Switch  
at Left  
22 In. Wide, 16X Units (22 In.) High

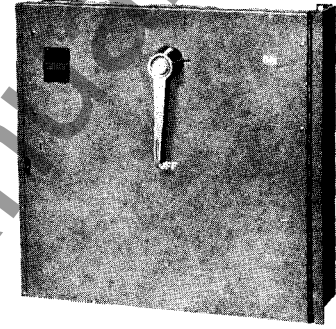


Switch with Line Side at Left

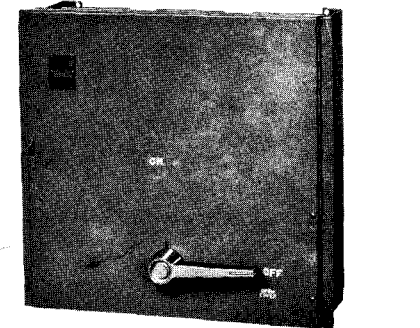
Panelboard Connectors: Page 4 (Must be ordered separately)  
Terminals: See Below (Order Separately)  
Options: Page 4  
Dimensions, Wire Range: DS 29-670, Page 7  
Shipping Weights: 2 Pole Units, 100 Lbs.  
3 Pole Units, 100 Lbs.

Ampere Ratings	Fusing Arrangement	Catalog Numbers	
		2 Pole	3 Poles
800	Single <sup>Ⓒ</sup>	FDPS267	FDPS367
1200	Single <sup>Ⓒ</sup>	FDPS268	FDPS368

**800 and 1200 Amps**  
**600 Volts Ac**  
Vertical Design, Line Side of Switch  
at Top or Bottom  
22 In. Wide, 16X Units (22 In.) High



Switch With Line Side at Top



Switch With Line Side at Bottom

Panelboard Connectors: Page 4 (Must be ordered separately)  
Terminals: See Below (Order Separately)  
Options: Page 4  
Dimensions, Wire Range: DS 29-670, Pages 8, 9  
Shipping Weights: 2 Pole Units, 100 Lbs.  
3 Pole Units, 100 Lbs.

Ampere Ratings	Fusing Arrangement	Catalog Numbers	
		2 Pole	3 Pole
<b>Line Side at Top</b>			
800	Single <sup>Ⓒ</sup>	FDPS267T	FDPS367T
1200	Single <sup>Ⓒ</sup>	FDPS268T	FDPS368T
<b>Line Side at Bottom</b>			
800	Single <sup>Ⓒ</sup>	FDPS267B	FDPS367B
1200	Single <sup>Ⓒ</sup>	FDPS268B	FDPS368B

**Terminals for 800, 1200 Amp Switches**  
Terminals are required for line side of main switches and load side of branch switches. Order separately.

Terminal Catalog Number	No., Size and Type of Conductor Per Terminal	Max. Terms. Per. Phase
For 800 and 1200 Ampere Switches TA 1200FDP	(1) #4 to 600 MCM Al/Cu, or (2) 1/0 to 3/0 Cu, or (2) 1/0 to 250 MCM Al	4 <sup>Ⓓ</sup>
Optional for 800 Ampere Switches Only TA800FDP	(2) 500 to 1000 MCM Al/Cu	1
Optional for 1200 Ampere Switches Only TA1201FDP	(3) 500 to 1000 MCM Al/Cu	1

**Horsepower Ratings, 600 Ampere Maximum Switches**

Max. Amps	Poles	240 Volts Ac		480 Volts Ac		600 Volts Ac		240 Volts 3 Ph <sup>ⓐ</sup>		480 Volts 3 Ph <sup>ⓐ</sup>		250 Volts Dc
		Std. NEC Fuse	Max Time Delay Fuse	Std. NEC Fuse	Max Time Delay Fuse	Std. NEC Fuse	Max Time Delay Fuse	Std. NEC Fuse	Max Time Delay Fuse	Std. NEC Fuse	Max Time Delay Fuse	
30	2	1½	3	3	7½	3	10	3	7½	5	15	5
	3	3	7½	5	15	7½	20	..	..	..	..	..
60	2	3	10	5	20	10	25	7½	15	15	30	10
	3	7½	15	15	30	15	50	..	..	..	..	..
100	2	7½	15	10	30	15	40	15	30	25	60	20
	3	15	30	25	60	30	75	..	..	..	..	..
200	2	15	..	25	50	30	50	25	60	50	100	40
	3	25	60	50	125	60	150	..	..	..	..	..
400	2	..	..	..	..	..	..	④	④	④	④	..
	3	50	100	100	250	125 <sup>ⓑ</sup>	350 <sup>ⓑ</sup>	..	..	..	..	..
600	2	..	..	..	..	..	..	④	④	④	④	..
	3	75	100	150	400	200 <sup>ⓑ</sup>	500 <sup>ⓑ</sup>	..	..	..	..	..

Ⓐ Accepts following NEMA Class L fuses, suitable for 200,000 amps maximum available current.

- Bussman "Hi-Cap" KRP-C
- Bussman "Limitron" KTU
- General Electric "CLF"
- Chase Shawmut "Amp Trap" Form 480.
- Federal Pacific Electric "Econolim" LCL.

ⓑ Class R fuse rating is 480 volts Ac, 100,000 amps maximum.

Ⓒ UL listed as a general use, amp rated switch only when used on 3 phase Delta grounded B phase systems.

Ⓓ Two pole switches used on 3-phase Delta grounded B phase system.

Ⓔ Not applicable to switches using Class R fuses.

Ⓕ Order as required for switch rating and conductor.



**Panelboards Connectors**

**Main Connector Kits**

Kits include all connectors, mounting brackets and insulators, for one switch.

Switch Amps	Catalog Numbers	2 Poles	3 Poles
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**8 1/2 Inch Single Units**

200	CM220FDP		CM320FDP
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**15 1/2 Inch Single Units**

400	CMA240FDP④⑥		CMA340FDP④⑥
	CMA240FDPJ⑤⑥		CMA340FDPJ⑤⑥
600	CMA260FDP④⑥		CMA360FDP④⑥
	CMA260FDPJ⑤⑥		CMA360FDPJ⑤⑥

**Branch Connector Kits**

Kits include all connectors, mounting brackets and insulators, for one switch.

Switch Amps	Catalog Numbers	2 Poles	3 Poles
-------------	-----------------	---------	---------

**8 1/2 Inch Single Units**

200	CB220FDP		CB320FDP
-----	----------	--	----------

**15 1/2 Inch Single Units**

400	CBA240FDP⑥		CBA340FDP⑥
600	CBA260FDP⑥		CBA360FDP⑥

**Center Connectors**

Center connectors are used for sequence phasing of two pole switches on 3 phase, 3 wire or 3 phase, 4 wire panel-boards.

Unit Used With	Ampere Rating	Style Number
5 1/2 Inch Twin	All Ratings	2603D19G06
6 1/2 Inch Single	All Ratings	2603D19G04
6 1/2 Inch Twin	All Ratings	2603D19G06

**Branch or Main Connector Kits**

For 800 and 1200 Amp. Switches only.

Kits include all connectors, mounting brackets and insulators for one switch.

Switch Amps	Catalog Numbers	2 Pole	3 Poles
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**Horizontal Design Switches**

800	CMB280FDP		CMB380FDP
1200	CMB2120FDP		CMB3120FDP

**Vertical Design Switches**

800	CMB280FDPV		CMB380FDPV
1200	CMB2120FDPV		CMB3120FDPV

- ② Field mounting does not void listing of U.L. Listed switch.
- ③ Not Underwriters' Laboratories, Inc., listed.
- ④ Do not use with switches having class "J" fuse clips.
- ⑤ Use only with switches having class "J" fuse clips.
- ⑥ Use with horizontal design switches only.
- ⑦ Except 30 and 60 amp switches in 6 1/2" twin units.
- ⑧ 480 volts Ac max.
- ⑨ When ordered for use with Class R fuses, order Class R fuse conversion kit separately.

**Options**

**Optional Terminals for 400 and 600**

**Ampere Switches** (Factory Modification Only-Kits are not available for field conversion of existing switches)

Will accommodate 600-750 MCM Al/Cu cable: one cable per pole on 400 amp, two cables per pole on 600 amp. For **Branch** switches, order switch as "special", specifying terminals for 600-750 MCM Al/Cu cable, and use standard branch connector kit. For **Main** switches, order standard switch and special connector kit for 600-750 MCM Al/Cu cable.

**Extension Wings**

Extension Wings are used with 18 in. wide switch units to fill in gap between switch and panelboard trim when used in panelboards designed for 22 in. wide switch units.

Unit Used With	Style Number
5 1/2 Inch Twin	114B812H02
6 1/2 Inch Single	114B812H03
8 1/2 Inch Single	114B812H05

ORDER 2 PER UNIT

**For 800 and 1200 Amp. Switches only.**

**Field Mtg. Shunt Trip Attachment**  
(Includes cut-off switch)

For use with ground fault protective devices. Use on switches applied at 480 volts max. 120 volt, 60 Hz for field mounting.

Style Number: 5682D73G01②

**Field Mtg. Bell Alarm Contact Kit**

For use with above shunt trip. Contact closes when switch is tripped.

Style Number: 5682D73G05⑤

**Field Mtg. Auxiliary Contact Kits**

For use only with above shunt trip. 1A and 1B contacts.

Style Number: 5682D73G06⑤

For use on switches not equipped with optional shunt trip.③

Contacts	Style Number
1A and 1B	5682D73G03
2A and 2B	5682D73G04

**Factory Installed Shunt Trips – 120**

**Volt 60 Hz**

For use with Ground Fault Protective Devices. Shunt trip is UL listed when supplied on a UL Listed switch. (Cut-off switch included.) 400 and 600 amp switches are listed for use with Class J current limiting or Class R fuses only.

**400 and 600 Amp Switches**

Order by adding suffix letters "DS" to catalog number.

Example: FDP366J + DS = FDP366JDS, or FDP366R + DS = FDP366RDS⑨

**800 and 1200 Amp Switches**

Suitable for use on switches applied at 480 volts maximum. Order by changing the 6th digit of catalog number (6) to 4 and add suffix letters "DS".

Example: FDPS368 becomes FDPS348 + DS = FDPS348DS

**Optional Fuse Provisions**

**Class J Fuses**

30-600 amp, 600 volt FDP switches are available factory modified for use with NEMA Class "J" fuses② and are UL listed for applications up to 200,000 amps sym. available faults. Order switches by substituting (no price addition) suffix J for suffix R in the catalog number.

**Class R Fuses**

To use NEMA Class R fuses with standard 30-600 amp FDP switches having suffix "R" on the catalog number, order the following field mounting conversion kits. These kits do not void the UL Listing of UL Listed switches.

Switch Rating Amps	Rating Kits Volts	Catalog Number	Style Number
30	250	RFK121	2609D97G01
30	600	RFK161	2609D97G02
60	250	RFK222	2609D97G03
60	600	RFK262	2609D97G04
100	250/600	RFK464	750B249G01
200	250/600	RFK464	750B249G01
400	250/600	RFK666	750B427G01
600	250/600	RFK666	750B427G01

**FDP Fuse-Switch Application**

Maximum switch-fuse application based on short circuit current withstand (symmetrical amperes).

Switch Rating Amps	Maximum Application at 240, 480 or 600 Volts Ac		
	Class R Fuses	Current Limit Fuse Class J	Two Pole Switches With Class R Fuses on Three Phase Grounded B Phase
30	200,000	200,000	100,000⑧
60	200,000	200,000	100,000⑧
100	200,000	200,000	100,000⑧
200	200,000	200,000	100,000⑧
400	100,000⑧	200,000	.....
600	100,000⑧	200,000	.....