Technical Data
29-620
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October 1997
Mailed to: E, D, C/29-600A


Horizontally Mounted Switches

(1) 200A, 600 V with Class R fuses available as a single unit only.

## Application

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

## Description

Type FDPW fusible panelboard units incorporate special quick-make, quick-break switches, housed in sheet steel enclosures.
The units are designed for installation in PRL4-F or the type CDP/FDP Distribution Panelboard chassis.

All FDPW switches have a maximum interrupting capacity of $200,000 \mathrm{~A}$ rms symmetrical at 600V Ac. In addition, all switches have the maximum allowable horsepower ratings through 600A.

All switches have an interlock mechanism that prevents the switch cover from being opened with the switch mechanism in the "ON" position. The interlock may be defeated by qualified personnel.

These switches may be padlocked in the "ON" or "OFF" position. In addition, a cover interlock is provided for optimum security.

| Rating (Amperes/Voltage) |  | Fuse Type | Unit Size | Horizontally Mounted |
| :---: | :---: | :---: | :---: | :---: |
| 30 | $\begin{aligned} & 250 \mathrm{Ac} \text { or } \mathrm{Dc} \\ & 600 \mathrm{Ac} \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline R \\ R, ~ J \\ \hline \end{array}$ | $\begin{aligned} & 4 X \\ & 4 X \end{aligned}$ | Twin Twin |
| 60 | $\begin{aligned} & 250 \mathrm{Ac} \text { or } \mathrm{Dc} \\ & 600 \mathrm{Ac} \end{aligned}$ | $\begin{aligned} & \hline R \\ & R, J \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 X \\ & 4 X \\ & \hline \end{aligned}$ | Twin Twin |
| 100 | $\begin{aligned} & 250 \mathrm{Ac} \text { or } \mathrm{Dc} \\ & 600 \mathrm{Ac} \end{aligned}$ | $\begin{array}{\|l\|} \hline R \\ R, ~ J \end{array}$ | $\begin{aligned} & 4 X \\ & 5 X \end{aligned}$ | Twin Single or Twin |
| 200 | $\begin{aligned} & 250 \mathrm{Ac} \text { or } \mathrm{Dc} \\ & 600 \mathrm{Ac} \end{aligned}$ | $\begin{aligned} & \mathrm{R}, \mathrm{~T} \\ & \mathrm{R}, \mathrm{~J}, \mathrm{~T} \end{aligned}$ | $\begin{aligned} & 6 X \\ & 6 X \end{aligned}$ | Single or Twin Single or Twin(1) |
| 400 | $\begin{aligned} & 250 \mathrm{Ac} \text { or Dc } \\ & 600 \mathrm{Ac} \end{aligned}$ | $\begin{aligned} & \mathrm{R}, \mathrm{~T} \\ & \mathrm{R}, \mathrm{~J}, \mathrm{~T} \end{aligned}$ | $\begin{aligned} & 9 x \\ & 9 x \end{aligned}$ | Single Single |
| 600 | $\begin{aligned} & 250 \mathrm{Ac} \text { or } \mathrm{Dc} \\ & 600 \mathrm{Ac} \end{aligned}$ | $\begin{aligned} & \mathrm{R}, \mathrm{~T} \\ & \mathrm{R}, \mathrm{~J}, \mathrm{~T} \end{aligned}$ | $\begin{aligned} & 11 X \\ & 11 X \end{aligned}$ | Single Single |
| 800 | $\begin{aligned} & 250 \mathrm{Ac} \\ & 600 \mathrm{Ac} \end{aligned}$ | $\begin{aligned} & \mathrm{T} \\ & \mathrm{~L}, \mathrm{~T} \end{aligned}$ | $\begin{aligned} & 11 X \\ & 11 X \end{aligned}$ | Single Single |
| 1200 | $\begin{aligned} & 250 \mathrm{Ac} \\ & 600 \mathrm{Ac} \end{aligned}$ | $\begin{aligned} & \mathrm{T} \\ & \mathrm{~L} \end{aligned}$ | $\begin{aligned} & 15 X \\ & 15 X \end{aligned}$ | Single Single |

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## Switch Selection Guide

## 30A / 60A / 100A



18 " wide, 4 X high

| Rating |  | Fuse | Catalog Number |
| :---: | :---: | :---: | :---: |
| Unit 1 | Unit 2 |  |  |
| 240 Volts Ac or 250 Volts Dc |  |  |  |
| 30 | 30 | R | FDPWT3211R |
| 30 | 60 | R | FDPWT3212R |
| 30 | 100 | R | FDPWT3213R |
| 60 | 60 | R | FDPWT3222R |
| 60 | 100 | R | FDPWT3223R |
| 100 | 100 | R | FDPWT3233R |
| 600 Volts Ac |  |  |  |
| 30 | 30 | R | FDPWT3611R |
| 30 | 30 | J | FDPWT3611J |
| 30 | 60 | R | FDPWT3612R |
| 30 | 60 | J | FDPWT3612J |
| 60 | 60 | R | FDPWT3622R |
| 60 | 60 | J | FDPWT3622J |

## 200A



22" wide, 6 X high

| Rating |  | Fuse | Catalog Number |
| :---: | :---: | :---: | :---: |
| Unit 1 | Unit 2 |  |  |
| 240 Volts Ac or 250 Volts Dc |  |  |  |
| 200 | 200 | R | FDPWT3244R |
| 200 | 200 | T | FDPWT3244F |
| 600 Volts Ac |  |  |  |
| 200 | 200 | J | FDPWT3644J |
| 200 | 200 | T | FDPWT3644F |

## 400A



22" wide, 9 X high

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| $\mathbf{2 4 0}$ Volts Ac or $\mathbf{2 5 0}$ Volts Ac |  |  |
| 400 | R | FDPW325R |
| 400 (Main) | R | FDPW325MR |
| $\mathbf{6 0 0}$ Volts Ac | R |  |
| 400 | R | FDPW365R |
| 400 (Main) | J | FDPW365J |
| 400 | $J$ | FDPW365MJ |
| 400 (Main) |  |  |



22 " wide, 5 X high

| Rating |  |  | Fuse |
| :--- | :--- | :--- | :--- |
| Unit 1 | Unit 2 |  | Catalog Number |
| $\mathbf{6 0 0}$ Volts Ac |  |  |  |
| 30 | 100 | R | FDPWT3613R |
| 60 | 100 | R | FDPWT3623R |
| 100 | 100 | R | FDPWT3633R |



18" wide, 6 X high

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| $\mathbf{2 4 0}$ Volts Ac or $\mathbf{2 5 0}$ Volts Ac |  |  |
| 200 | R | FDPWS324R |
| $\mathbf{6 0 0}$ Volts Ac | R | FDPWS364R |
| 200 | J | FDPWS364J |
| 200 |  |  |



18" wide, 16X high - Bottom Feed Main

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| $\mathbf{2 4 0}$ Volts Ac or 250 Volts Ac |  |  |
| 400 | R | FDPW325BR |
| $\mathbf{6 0 0}$ Volts Ac |  |  |
| 400 | R | FDPW365BR |
| 400 | $J$ | FDPW365BJ |

For cable-in/cable-out application of a branch switch, additional terminals are required. Order the following terminal kit: TA750FDPW Kit contains 3 terminals and hardware.

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## Switch Selection Guide

600A


For cable-in/cable-out application of a branch switch, additional terminals are required. Order 2 of the following terminal kit: TA750FDPW Each kit contains 3 terminals and hardware.


18 " wide, 16 X high - Top Feed Main

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| $\mathbf{2 4 0}$ Volts Ac or $\mathbf{2 5 0}$ Volts Ac |  |  |
| 600 | R | FDPW326TR |
| $\mathbf{6 0 0}$ Volts Ac | R | FDPW366TR |
| 600 | J | FDPW366TJ |
| 600 |  |  |

For cable-in/cable-out application of a branch switch, additional terminals are required. Order 2 of the following terminal kit: TA750FDPW Each kit contains 3 terminals and hardware.


18" wide, 16X high - Bottom Feed Main

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| 240 Volts Ac or 250 Volts Ac |  |  |
| 600 | R |  |
| $\mathbf{6 0 0}$ Volts Ac | FDPW326BR |  |
| 600 | R | FDPW366BR |
| 600 | JDPW366BJ |  |

For cable-in/cable-out application of a branch switch, additional terminals are required. Order 2 of the following terminal kit: TA750FDPW Each kit contains 3 terminals and hardware.


18" wide, 16X high - Bottom Feed Main

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| $\mathbf{2 4 0}$ Volts Ac | T |  |
| $\mathbf{8 0 0}$ | FDPW327BF |  |
| $\mathbf{6 0 0}$ Volts Ac |  |  |
| 800 | L | FDPW367B |

For cable-in/cable-out application of a branch switch, additional terminals are required. Order 3 of the following terminal kit: TA750FDPW
Each kit contains 3 terminals and hardware.

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## Switch Selection Guide

1200A


22 " wide, 15 X high

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| $\mathbf{2 4 0}$ Volts Ac | T | FDPW328F |
| 1200 | T | FDPW328MF |
| 1200 (Main) | L | FDPW368 |
| $\mathbf{6 0 0}$ Volts Ac | L | FDPW368M |
| 1200 |  |  |

For cable-in/cable-out application of a branch switch, additional terminals are required. Order 4 of the following terminal kit: TA750FDPW Each kit contains 3 terminals and hardware.


22" wide, 16X high - Top Feed Main

| Rating | Fuse | Catalog Number |
| :--- | :--- | :--- |
| $\mathbf{2 4 0}$ Volts Ac |  |  |
| 1200 | T | FDPW328TF |
| $\mathbf{6 0 0}$ Volts Ac | L | FDPW368T |
| 1200 |  |  |

For cable-in/cable-out application of a branch switch, additional terminals are required. Order 4 of the following terminal kit: TA750FDPW Each kit contains 3 terminals and hardware.

## FDPW Switch Ratings

| Ampere Rating | Voltage | Short Circuit Rating | Horsepower Rating |  | Fuse Type | Size and Type of $\mathrm{Cu} / \mathrm{Al}$ Conductor Per Phase |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Standard | Maximum |  |  |
| 30A Switch |  | 200 kAIC 200 kAIC 200 kAIC 10 kAIC | $\begin{aligned} & 3 \\ & 5 \\ & 7.5 \\ & 5 \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 7.5 \\ 15 \\ 20 \\ 5 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline R \\ & R, J \\ & R, J \\ & \text { © } \\ & \hline \end{aligned}$ | \#14 to 1/0 |
| 60A Switch | 240 VAc 480 V Ac 600 V Ac 250 V Dc | 200 kAIC 200 kAIC 200 kAIC 10 kAIC | $\begin{aligned} & \hline 7.5 \\ & 15 \\ & 15 \\ & 10 \\ & \hline \end{aligned}$ | $\begin{aligned} & 15 \\ & 30 \\ & 50 \\ & 10 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline R \\ & R, J \\ & R, J \\ & \text { R } \\ & \hline \end{aligned}$ | \#14 to 1/0 |
| 100A Switch | 240 V Ac 480 V Ac 600 V Ac 250 V Dc | 200 kAIC 200 kAIC 200 kAIC 0 kAIC | $\begin{aligned} & 15 \\ & 25 \\ & 30 \\ & 20 \\ & \hline \end{aligned}$ | $30$ | $\begin{aligned} & \hline R \\ & R, J \\ & R, J \\ & \mathbb{1}, ~ \\ & \hline \end{aligned}$ | \#14 to 1/0 |
| 200A Switch |  | 200 kAIC <br> 200 kAIC <br> 200 kAIC <br> 0 kAIC | $\begin{aligned} & 25 \\ & 50 \\ & 60 \\ & 40 \\ & \hline \end{aligned}$ | $\begin{array}{r} 60 \\ 125 \\ 150 \\ 40 \\ \hline \end{array}$ | R, T <br> R, J, T <br> R, J, T | \#4 to 300 MCM |
| 400A Switch |  | 200 kAIC <br> 200 kAIC <br> 200 kAIC <br> 10 kAIC | $\begin{array}{r} 50 \\ 100 \\ 125 \\ 50 \\ \hline \end{array}$ | $\begin{array}{r} 125 \\ 250 \\ 350 \\ 50 \\ \hline \end{array}$ | R, T <br> R, J, T <br> R, J, T | 250 to 750 MCM or <br> (2) $3 / 0$ to 250 MCM |
| 600A Switch | 240 V Ac 480 VAc 600 V Ac | 200 kAIC <br> 200 kAIC <br> 200 kAIC | $\begin{array}{r} 75 \\ 150 \\ 200 \end{array}$ | $\begin{aligned} & 200 \\ & 400 \\ & 500 \end{aligned}$ | R, T <br> R, J, T <br> R, J, T | (2) \#4 to 600 MCM or <br> (4) $3 / 0$ to 250 MCM |
| 800A Switch | 240 V Ac 480 V Ac 600 V Ac | 200 kAIC <br> 200 kAIC <br> 200 kAIC | $\begin{aligned} & \text { N/A } \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ | $\begin{aligned} & \text { N/A } \\ & \text { N/A } \\ & \text { N/A } \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{T} \\ & \mathrm{~L}, \mathrm{~T} \\ & \mathrm{~L}, \mathrm{~T} \\ & \hline \end{aligned}$ | (3) 250 to 750 MCM or <br> (6) $3 / 0$ to 250 MCM |
| 1200A Switch | 240 V Ac 480 V Ac 600 V Ac | 200 kAIC 200 kAIC 200 kAIC | $\begin{aligned} & \text { N/A } \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ | $\begin{aligned} & \text { N/A } \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ | $\begin{aligned} & \mathrm{T} \\ & \mathrm{~L} \\ & \mathrm{~L} \end{aligned}$ | (4) 250 to 750 MCM or <br> (8) $3 / 0$ to 250 MCM |



22" wide, 16X high - Bottom Feed Main

| Rating | Fuse | Catalog Number |  |
| :--- | :--- | :--- | :---: |
| $\mathbf{2 4 0}$ Volts Ac | T | FDPW328BF |  |
| $\mathbf{1 2 0 0}$ |  |  |  |
| $\mathbf{6 0 0}$ Volts Ac | L | FDPW368B |  |
| 1200 |  |  |  |

For cable-in/cable-out application of a branch switch, additional terminals are required. Order 4 of the following terminal kit: TA750FDPW Each kit contains 3 terminals and hardware.
(1) Contact fuse manufacturer for UL listed Dc fuses.

N/A Not Applicable

## Cutler-Hammer

Five Parkway Center
Pittsburgh, Pennsylvania, U.S.A. 15220

