## Molded Case Circuit Breakers

## What's new in molded case circuit breakers:

## Siemens BL and NGB circuit breaker

 families are now eligible to be marked "NAVAL" for use on non-combat vessels. These breakers meet the requirements of UL 489 Supplement SB. Consult your local sales office for availability.

BL


NGB

Now available from stock Siemens offers distribution lugs for the NGG circuit breaker family for use in UL 508A control panels. These lugs will accept up to (6) copper wires from \#14 to \#4 gauge or aluminum wires from \#6 to \#4 gauge.


BOD and NGB handle ties are now released for use where single pole breakers are using shared neutrals and must be locked out simultaneously.

Siemens now offers a line of
VL circuit breakers which are rated for use at 600VDC with interrupting ratings between 42KAIC and 65KAIC.



Circuit Breaker and Surge Protective Device (SPD)
By installing a Siemens Circuit Breaker and Surge Protective Device (SPD) in the load center of the residence, surge protection is provided for all branch circuits (1).

- UL and CSA, Meets UL 1449 3rd Edition
- Easy to install and perfect for retrofit
- Offer in 15 or 20 amps
- LEDs provide protection status
(1) See warranty for detailed coverage information. www.usa.siemens.com/surge


## Ordering

In the FD through RD frames, you may order molded case circuit breakers three basic ways:

- As separately ordered frames, trip units and lugs
- As frame, trip unit and lugs ordered as one catalog number and shipped unassembled or assembled
- As Frame and Trip Unit shipped assembled and with the trip unit made non-removable, in compliance with UL 489 requirements that to be reverse fed the circuit breaker must not have an interchangeable trip unit.
These two options are described in the following:


## Components Ordered Separately

To get the components for a 3-pole, 400 Amp standard interrupting circuit breaker, you would order the frame (JD63F400), the trip unit (JD63T400) and six lugs (TA2J6500). This option is normally useful only if you stock and use large volumes of product and wish to reduce your inventory cost. You may stock, for example, a smaller number of frames (JD63F400) and a variety of trip units (JD63T300, JD63T350, etc.) and assemble breakers as you need them.

## Frame, Trip Unit and Lugs Ordered Together

If you order the catalog number JD63B400, you will receive a frame, a trip unit and 6 lugs in separate packages. By suffixing this number with "L" (e.g. JD63B400L), you will receive frame, trip unit and lugs assembled in one container. Pursuant to UL 489, a product ordered thus will have the markings "LINE" and "LOAD", and may not be "reverse fed" (with power flowing from the "OFF" end of the breaker toward the "ON" end).

## Non-Interchangeable Trip Breakers

If you place an " $X$ " after the frame size designator (e.g. JXD63B400), you will receive a frame and trip unit assembled, with the trip unit made non-removable. If you suffix an "L" to this catalog number (e.g. JXD63B400L), you will receive the breaker, non-removable trip unit and lugs assembled. Unless you anticipate a specific need to change the breaker's ampere rating in the future, this is the preferred ordering method, as the products are assembled to Siemens' specifications in our factories. These breakers are suitable for use reverse fed according to UL 489, since the trip unit is not removable.

The smaller frames (QJ, ED and below) do not have removable trip units, and consequently are shipped only as assembled products. To add lugs, see the ordering instructions on each product's catalog page.


500V DC Wiring Configuration

## Connecting Breakers for DC Application

Most Siemens thermal magnetic trip MCCBs are applicable on direct current (dc) systems. Generally, for 250 V dc systems a two pole breaker is used, with one pole on each leg of the supply circuit. For three pole breakers applied on 500 V undergrounded DC systems, it is important to connect the power supply "zig-zag" through the breaker as shown in the figure below. This assures that the Voltage between phases on the breaker terminals is uniformly distributed.

# Molded Case Circuit Breakers 

## Feleral Specification Classification

W-C-375C/GEN

| Class | Interrupting Rating |  | Poles | Range of Current Trip ${ }^{\text {(3) }}$ | Breaker Type <br> (All Circuit Breakers Meet or Exceed the Indicated Class Level) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Symmetrical Amperes ${ }^{(1)}$ | Volts AC 60HZ |  |  |  |
| $10 a^{(2)}$ | 5,000 | 120/240 | 1 or 2 | 15-100 | QP, BQ, QT, BL |
| 10b | 5,000 | 240 | 2 or 3 | 15-100 | QP, BQ, BQD, CQD, BL |
| 11a | 7,500 | 120 | 1 | 15-100 | QP, BQ, BQD, CQD, BL |
| 11b | 7,500 | 240 | 2 or 3 | 15-100 | QP, BQ, BQD, CQD, BL |
| $12 a^{\text {(2) }}$ | 10,000 | 120/240 | 1 or 2 | 15-100 | QP, BQ, QT, ED2, BL |
| 12b | 10,000 | 240 | 2 or 3 | 15-225 | QP, BQ, QJ2, ED2, BQD, CQD, BL |
| 12c | 10,000 | 277 | 1 | 15-100 | BQD, CQD, NGG, NGB, NEG, NEB |
| 13a | 14,000 | 277 | 1 | 15-100 | ED4, BQD, CQD, NGG, NGB, NEG, NEB |
| 13b | 14,000 | 277/480 | 1, 2, or 3 | 15-100 | ED4, BQD, CQD |
| 14a | 22,000 | 120/240 | 1 or 2 | 15-100 | QPH, BQH, BLH |
| 14b | 22,000 | 240 | 2 or 3 | 70-400 | QJH2, QJ2-H, BQH, BQD, COD, BLH |
| 15a | 65,000 | 120/240 | 1 or 2 | 15-100 | HQP, HBQ, ED4, HED4, NGG, NGB, NEG, NEB |
| 15b | 65,000 | 240 | 2 or 3 | 15-225 | $\begin{aligned} & \text { ED6, ED4, FXD6, FD6, HED4, BQD, CQD, HQJ2H, } \\ & \text { NGG, NGB, NEG, NEB } \end{aligned}$ |
| 16a | 100,000 | 480 | 2 or 3 | 15-225 | CFD6, CED6 |
| 16b | 100,000 | 600 | 2 or 3 | 15-600 | CED6, CFD6, CJD6, SCJD6, CLD6, SCLD6 |
| 17a | 200,000 | 600 | 2 or 3 | 70-2000 | - |
| 18a | $\begin{aligned} & 18,000 \\ & 14,000 \\ & 14,000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 240 \\ & 480 \\ & 600 \\ & \hline \end{aligned}$ | 2 or 3 | 15-125 | ED6, HED6, HHED6 |
| 19a | $\begin{aligned} & 22,000 \\ & 18,000 \\ & 14,000 \end{aligned}$ | $\begin{aligned} & 240 \\ & 480 \\ & 600 \end{aligned}$ | 2 or 3 | 70-225 | FXD6, FD6, CFD6, HFD6 |
| 20a | $\begin{aligned} & 25,000 \\ & 22,000 \\ & 22,000 \\ & \hline \end{aligned}$ | $\begin{aligned} & 240 \\ & 480 \\ & 600 \\ & \hline \end{aligned}$ | 2 or 3 | 70-225 | FXD6-A, FD6-A, CFD6, HFD6 |
| 21a | $\begin{aligned} & 42,000 \\ & 30,000 \\ & 22,000 \end{aligned}$ | $\begin{aligned} & 240 \\ & 480 \\ & 600 \end{aligned}$ | 2 or 3 | 70-800 | HFD6, CFD6, JXD6(A), JD6(A), SJD6(A), HJD(A), HJXD6(A), HHJD6, SHJD6(A), CJD6, SCJD6, LXD6(A), LD6(A), SLD6(A), HLD6(A), HLXD6(A), HHLD6, SLD6(A), SHLD6(A), CLD6, SCLD6, LMD6, LMXD6, HLMD6, HLMXD6, MD6, MXD6, SMD6, HMD6, HMXD6, SHMD6, CMD6, SCMD6 |
| 22a | $\begin{aligned} & 65,000 \\ & 25,000 \\ & 18,000 \end{aligned}$ | $\begin{aligned} & 240 \\ & 480 \\ & 600 \end{aligned}$ | 2 or 3 | 15-125 | CED6, ED6, HED6, HHED6, FXD6-A, FD6-A |
| 23a | $\begin{aligned} & 65,000 \\ & 35,000 \\ & 25,000 \end{aligned}$ | $\begin{aligned} & 240 \\ & 480 \\ & 600 \end{aligned}$ | 2 or 3 | 70-1200 | HHED6, FXD6-A, FD6-A, HFD6, HHFD6, CFD6, JD6(A), JXD6(A), SJD6(A), HJD6(A), HJXD6(A), SHJD6(A), HHJD6, HHJXD6, CJD6, SCJD6, LXD6(A), LD6(A), SLD6(A), HLD6(A), HLXD6(A), SHLD6(A), HHLD6, HHLXD6, CLD6, SCLD6, LMD6, LMXD6, HLMD6, HLMXD6, MD6, MXD6, SMD6, HMD6, HMXD6, SHMD6, CMD6, SCMD6, ND6, NXD6, SND6, HND6, HNXD6, SHND6, CND6, SCND6 |
| 24a | $\begin{aligned} & \hline 65,000 \\ & 50,000 \\ & 42,000 \end{aligned}$ | $\begin{aligned} & 240 \\ & 480 \\ & 600 \end{aligned}$ | 2 or 3 | 1200-2000 | PD6, PXD6, HPD6, HPXD6, CPD6 RD6, RXD6, HRD6, HRXD6, SPD6, SHPD6 |
| 25a | 125,000 80,000 60,000 | $\begin{aligned} & 240 \\ & 480 \\ & 600 \\ & \hline \end{aligned}$ | 2 or 3 | 600-4000 | HHLD6, CLD6, CMD6, CND6 SCLD6, SCMD6, SCND6, CPD6 |

## Applicable Standards

UL489 - Molded Case Circuit Breakers and Circuit Breaker Enclosures.
UL486A - Wire Connectors and Solderless Lugs for use with copper wire

## Note:

(A) Molded case circuit breakers are designed and tested in accordance to applicable portions of UL489 and meet application requirements of the National Electric Code. Unless marked otherwise, circuit breakers are $80 \%$ duty rated. (B) Molded case circuit breakers are to be connected with 60 or

UL486B - Wire Connectors and Solderless Lugs for use with aluminum wire

UL943 - Ground Fault Interrupters (for personnel protectors)
UL1087 - Molded Case Switches

UL50 - Cabinets and Boxes
UL869 - Service Equipment
NEMA AB-1 - Molded Case Circuit Breakers and Molded Case Switches
CSA-C22.2 No. 5, C22.2 No. 14
$75^{\circ} \mathrm{C}$ wire for circuit breakers having a rated ampacity of 100 amperes or less. Circuit breakers having a rated ampacity greater than 100 amperes shall only be cabled with $75^{\circ} \mathrm{C}$ cable unless otherwise indicated on the circuit breaker label. Exceptions to this rule are outlined in the article 110-14 C(1)(2) of the 2005 National Electric Code.

Reference Guide
Thermal-Magnetic Trip Breakers




BL, BLH, HBL


125A available as a 2 -pole only.
(8) Not applicable to type HQPP and HQPPH
(9) Fits only Siemens EQIII load centers. Breaker is 2 or 3 poles wide.
(1)B0D6 CSA certified 10,000A @ 600Y/347V 15-70A only.

2Types QPP, QPPH, HQPP and HOPPH are special 2-pole configurations for metering equipment. Amperage range $=$ $125-225 \mathrm{~A}$, width $=4 \mathrm{in}$.
(3Single pole breakers available in ratings 10-70A only
(4)125A, 2-pole $120 / 240 \mathrm{~V}$ AC only.
© Not applicable to types QPP and QPPH.
(8) Single pole circuit breakers available in ratings 15-70A only,


## Molded Case Circuit Breakers

BQD 100A Frame Panelhoard Mounting Circuit Breakers
$B D^{(4)}$

| Continuous Current <br> Rating @ $40^{\circ} \mathrm{C}$ | 1-Pole | 2-Pole ${ }^{(3)}$ | 3-Pole ${ }^{\text {(3) }}$ |
| :---: | :---: | :---: | :---: |
|  | 277V AC-125V DC | $\begin{aligned} & \text { 480Y/277V AC- } \\ & \text { 125/250V DC } \\ & \hline \end{aligned}$ | 480Y/277V AC |
|  | Catalog Number | Catalog Number | Catalog Number |
| 15 | BQD115 ${ }^{\text {® }{ }^{\text {(2) }} \text { ( }}$ | BQD215 ${ }^{\text {® }}$ | BQD315 ${ }^{\text {® }}$ |
| 20 | BQD120 ${ }^{\text {®12 }}$ | BQD220 ${ }^{(5)}$ | BQD320 ${ }^{(6)}$ |
| 25 | BQD125 ${ }^{\text {² }}$ | BQD225 ${ }^{\text {® }}$ | BQD325 ${ }^{\text {® }}$ |
| 30 | BQD130 ${ }^{\text {² }}$ | BQD230 ${ }^{\text {® }}$ | BQD330 ${ }^{\text {® }}$ |
| 35 | BQD135 ${ }^{\text {² }}$ | BQD235 ${ }^{\text {® }}$ | BQD335 ${ }^{\text {® }}$ |
| 40 | BQD140 ${ }^{\text {² }}$ | BQD240 ${ }^{\text {® }}$ | BQD340 ${ }^{\text {® }}$ |
| 45 | BQD145 ${ }^{\text {® }}$ | BQD245 ${ }^{\text {® }}$ | BQD345 ${ }^{\left({ }^{(1)}\right.}$ |
| 50 | BQD150 ${ }^{\text {® }}$ | BQD250 ${ }^{\text {® }}$ | BQD350 ${ }^{\text {® }}$ |
| 60 | BQD160 | BQD260 | BQD360 |
| 70 | BQD170■ | BQD270 | BQD370 |
| 80 | BQD180■ | BQD280 | BQD380 |
| 90 | BQD190■ | BQD290 | BQD390 |
| 100 | BQD1100■ | BQD2100 | BQD3100 |

## BOD6 CSA Certified

| Continuous Current Rating @ $40^{\circ} \mathrm{C}$ | 1-Pole | 2-Pole ${ }^{\text {3 }}$ | 3-Pole ${ }^{\text {3 }}$ |
| :---: | :---: | :---: | :---: |
|  | 347V AC | 600/347V AC | 600/347V AC |
|  | Catalog Number | Catalog Number | Catalog Number |
| 15 | BQD6115 ${ }^{\text {® }}$ | BQD6215 | BQD6315 |
| 20 | BQD6120 ${ }^{\text {® }}$ | BQD6220 | BQD6320 |
| 25 | BQD6125■ | BQD6225■ | BQD6325■ |
| 30 | BQD6130 | BQD6230 | BQD6330 |
| 35 | BQD6135■ | BQD6235■ | BQD6335■ |
| 40 | BQD6140■ | BQD6240■ | BQD6340 |
| 45 | BQD6145■ | BQD6245 | BQD6345■ |
| 50 | BQD6150■ | BQD6250■ | BQD6350 |
| 60 | BQD6160■ | BQD6260■ | BQD6360 |
| 70 | BQD6170■ | BQD6270■ | BQD6370 |



Shipping Weights

| Number of <br> Poles | Number per <br> Carton | Shipping <br> Weight (lbs.) (ea.) |
| :--- | :--- | :---: |
| 1 | $1 / 12 / 48$ | .6 |
| 2 | $1 / 6 / 24$ | 1.2 |
| 3 | $1 / 4 / 16$ | 2.0 |

Lugs For $60 / 75^{\circ} \mathrm{C}$ Wire

| BQD - Load End Only |  |
| :--- | :--- |
| $15-40$ | \#14-\#6 AWG Cu <br> \#12-\#6 AWG AI |
| $45-100$ | \#8-\#1 AWG Cu <br> \#6-\#1/0 AWG AI |

(1)SWD rated for switching fluorescent lighting.
(2) HID rated at 277 V AC.
(3) Not suitable for 3 -phase delta 480 V applications.
(4) HACR rated.
(5) HID rated at $480 \mathrm{Y} / 277 \mathrm{~V}$ AC.

For external accessories, please refer to pages 7-95 to 7-100
For internal accessories, please refer to page 7-34

| For Use With Type(s) | Circuit Breaker Ampere Rating | Cables Per Lug | Lug Wire Range | Catalog <br> Number |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \mathrm{BO}, \mathrm{BQH}, \\ & \mathrm{BQHF} \end{aligned}$ | Line Side |  |  |  |
|  | 15-40 | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | \#14-\#6 AWG Cu \#12-\#6 AWG AI | TC101 ${ }^{\text {(2) }}$ |
|  | 45-125 | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | \#8-\#1 AWG Cu \#6-\#1/0 AWG AI | TA101 ${ }^{(2)}$ |
|  | Load Side |  |  |  |
| BOE, <br> BOF, <br> BL, BLH, <br> HBL, <br> HBO | 15-20 | $\begin{aligned} & 1 \\ & 1 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { \#14-\#10 AWG Cu } \\ & \text { \#12-\#10 AWG AI } \end{aligned}$ | Lugs are integral to Circuit Breaker |
|  | 25-35 | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | \#14-\#6 AWG Cu \#12-\#6 AWG AI |  |
| Switching <br> Neutrals <br> BG, <br> BLG | 40-50 | $\begin{aligned} & \hline 1 \\ & 1 \\ & \hline \end{aligned}$ | \#8-\#6 AWG Cu \#8-\#4 AWG AI |  |
|  | 55-70 | $\begin{aligned} & 1 \\ & 1 \\ & \hline \end{aligned}$ | \#8-\#4 AWG Cu \#8-\#2 AWG AI |  |
|  | 80-100 | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | \#4-\#1/0 AWG Cu \#2-\#1/0 AWG AI |  |
|  | 110-125 | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | \#2-\#1/0 AWG Cu <br> \#1/0-\#2/0 AWG AI |  |
| $\begin{aligned} & \text { BQD, CQD } \\ & \text { BQD6, CQD6 } \end{aligned}$ | Line Side (CQD, CQD6) \& Load Side |  |  |  |
|  | 15-40 | 1 | \#14-\#6 AWG Cu \#12-\#6 AWG AI | Integral |
|  | 45-100 | 1 | \#8-\#1 AWG Cu \#6-\#1/0 AWG AI | Integral |
| $\begin{aligned} & \text { NGG, HGG, } \\ & \text { LGG } \end{aligned}$ | 15-30 | 1 | \#14-\#6 AWG Cu \#12-\#6 AWG AI | TC101 |
|  | 15-30 | 1 | \#14-\#6 AWG Cu \#12-\#6 AWG AI | $3 \mathrm{TC1Q1}$ (pkg. of 3) |
|  | 35-125 | 1 | \#8-\#1/0 AWG Cu \#8-\#2/0 AWG AI | 3TC1GG20 (pkg. of 3) |
|  | 15-125 | - | NUT KEEPER PLATE | TNKG3 ${ }^{\text {® }}$ (pkg. of 3) |
| NEG, HEG | $\begin{aligned} & 15-125 \\ & 15-125 \\ & 15-125 \\ & 15-125 \\ & 15-125 \end{aligned}$ | 1 <br> 1 <br> 1 <br> - <br> - | \#14-3/0 AWG Cu <br> \#14-1/0 AWG Cu/AI <br> \#6-3/0 AWG Cu/AI <br> Nut Keeper Kit (3-pole) <br> Nut Keeper Kit (4-pole) | 3TW1EG30 (pkg. of 3) <br> 3TA1EG10 (pkg. of 3) <br> 3TA1EG30 (pkg. of 3) <br> TNKE3 (pkg. of 3) <br> TNKE4 (pkg. of 4) |

Connector wire ranges and cavities are established in conjunction with Table 6.1.4.2.1 of UL 489 standards.

Note:
(A) Molded case circuit breakers having a rated ampacity of 125 amperes or less are to be connected with 60 or $75^{\circ} \mathrm{C}$ wire. Circuit breakers having a rated ampacity greater than 125 amperes shall only be cabled with $75^{\circ} \mathrm{C}$ cable unless otherwise indicated on the circuit breaker label. Exceptions to this rule are outlined in article 110-14 C(1)(2) of the 2005 National Electrical Code.
(B) Connector wire ranges and cavities are established in conjunction with Table 6.1.4.2.1 of UL 489 standards.
2) Sold in package of six
(3) One nut keeper plate is required with each lug on the NGG breaker.

## Panelboards

General Specifications

## Bussing Sequence

Interiors are designed to accommodate top or bottom feed. Regardless of which is specified, the uppermost pole is always on " $A$ " phase; the second pole down is always on " $B$ " phase, and the third pole down is always on "C" phase (assuming $3 \varnothing$ panel).

As standard, branch breakers shall be mounted at the top of the panel with "spaces" at the bottom, regardless of the direction panel is fed.

All breakers have bolted connections except plug-in type. The panel design provides bracing up to $200,000 \mathrm{~A}$ IR UL short circuit rating. Case-hardened, high performance, thread rolling screws are used on branch bus.


Circuit Breaker Lighting
Panel Type P1


Circuit Breaker Lighting or Distribution Panel Types P2/P3


Circuit Breaker Distribution
Panel Type P4/P5


Fusible Switch Distribution Panel Type P4/P5

## Panelboard Ratings

| Description | P1 | P2 | P3 | P4 | P5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Max. Voltage <br> System | 480Y/277V AC Max. <br> 250V DC Max <br> 1-Phase, 2-wire <br> 1-Phase, 3-wire <br> 3-Phase, 3-wire <br> 3-Phase, 4-wire | 600V AC Max. 500V DC Max. <br> 1-Phase, 2-wire 1-Phase, 3-wire 3-Phase, 3-wire 3-Phase, 4-wire | 600V AC Max. 500 V DC Max. <br> 1-Phase, 2-wire 1-Phase, 3 -wire 3-Phase, 4-wire 3-Phase, 3-wire | 600V AC Max. 500V DC Max. <br> 1-Phase, 3-wire 3-Phase, 4-wire 3-Phase, 3-wire | 600V AC Max. 500V DC Max. <br> 1-Phase, 3-wire <br> 3-Phase, 4-wire <br> 3-Phase, 3-wire |
| Mains <br> Main Lugs Main Breaker Main Switch | $\begin{aligned} & \text { 125A-400A } \\ & 100 \mathrm{~A}-400 \mathrm{~A} \end{aligned}$ | $\begin{array}{\|l\|} \text { 125A-600A } \\ \text { 100A-600A } \end{array}$ | $\begin{aligned} & \text { 250A-800A } \\ & 225 A-600 A \end{aligned}$ | $\begin{aligned} & \text { 400A-1200A } \\ & \text { 400A-800A } \end{aligned}$ | 800A-1200A <br> 800A-1200A <br> 200A-1200A |
| Circuits | 18, 30, 42 | $\begin{aligned} & 18,30,42,54,66 \\ & 78,90 \text { © } \\ & \hline \end{aligned}$ | - | - | - |
| Branch Ratings | 15-125A (2) | 15-400A | 15-400A | 15-800A MCCB 30-200A Fusible | 15-1200A MCCB 30-1200 Fusible |
| Branch Disconnect Devices | BL, BLH, HBL, BQD, BOD6, BLE, BLEH, BLF, BLHF, BAF, BAFH, BGL, NGB ${ }^{(7)}$ | BL, BLH, HBL, BQD, BOD6, QJ2, HQJ2, QJ2H, HOJ2H(5), ED2, ED4, HED4, ED6, HHED6, BLE, BLEH, BLF, BLHF, BAF, BAFH, BGL, NGB | BL, BLH, HBL, BQD, BQD6, QJ2, HQJ2, QJ2H, HQJ2H ${ }^{(6), ~ E D 2, ~}$ ED4, HED4, ED6, BLHF, BAF, BAFH, BGL, NGB, NEB, HEB | All 15-1200A MCCBs, VL MG at 800A and 30-200A VB switches | All 15-1200A MCCBs, 30-600A VB switches and 400-1200A HCP switches |
| Subfeed <br> Circuit <br> Breakers (2)(3) | $\begin{aligned} & \text { ED2, ED4, ED6, HED4, } \\ & \text { HED6, QJ2, QJH2, } \\ & \text { QJ2-H, FD6, HFD6, } \\ & \text { FXD6, HFXD6 } \end{aligned}$ | $\begin{aligned} & \text { JD6, HJD6, } \\ & \text { JXD6, HJXD6, } \\ & \text { FD6, HFD6, } \\ & \text { FXD6, HFXD6 } \end{aligned}$ | $\begin{aligned} & \text { JD6, HJD6, } \\ & \text { JXD6, } \\ & \text { FD6, HFD6, } \\ & \text { FXD6, HFXD6 } \end{aligned}$ | - | - |
| Enclosure <br> Heights <br> Inches - (mm) | $\begin{array}{\|l} \hline 32,38,44 @ 250 \mathrm{~A} \\ (813,965,1118) \\ 56,62,68 \text { @400 A } \\ (1422,1575,1727) \end{array}$ | $\begin{aligned} & 26,32,38,44,50,56, \\ & 62,68,74 \\ & (660-1880) \end{aligned}$ | $\begin{aligned} & \text { 56, 62, 68, 74, } 80 \\ & (1422-2032) \end{aligned}$ | $\begin{aligned} & 60,75,90 \\ & (1524,1905,2286) \end{aligned}$ | $\begin{aligned} & 60,75,90 \\ & (1524,1905,2286) \end{aligned}$ |
| Standard Trims | Fas-Latch - 1 Piece Surface or Flush | Fas-Latch - 1 Piece Surface or Flush | Fas-Latch-1 Piece Surface or Flush | Four Piece ${ }^{(4)}$ <br> Surface or Flush | Four Piece ${ }^{(4)}$ <br> Surface or Flush |

(6) A maximum of (6) QJ breakers may be mounted in a P3 panel and are twin mounted.
(7) P1 panels with NGB breakers are limited to NGB branch devices only. BL and BOD frames may not be mixed in this panel type.

