



## **Zenith T-series ATS**

Withstand and Closing Ratings (WCR)

## The Purpose of Testing and Unit Ratings

ABB automatic transfer switches (ATS) have been subjected to an extensive test program to show that they comply with and exceed UL 1008 standards as well as the various performance specifications used by most government agencies and major electrical engineers throughout the world. The primary test to assure the dependability of an automatic transfer switch is its ability to close into and withstand high fault currents. The purpose of this publication is to provide basic information on withstand ratings and to document the ratings that ABB ATS currently holds under UL 1008

NFPA 110 Standard for Emergency and Standby Power Systems, Section 6.3.2, requires that the capacity and rating of automatic transfer switches be adequate to withstand the thermal and electromagnetic effects of short circuit currents that may arise in the electrical system. It is important to be able to compare properly the withstand close rating (WCR) of the switch to the available short circuit (fault) current of the system until the protective device clears the fault

If a transfer switch does not have adequate withstand capability—system failure, fire, injury to personnel or equipment damage may result. A clear understanding of the interrelationship between the protective device, transfer switch and system needs is necessary for a well designed installation. Some basic information on withstand rating terms and calculations follows the enclosed rating charts.

Underwriters Laboratories (UL) is the independent testing body that has developed the standard UL 1008 which all major transfer switch manufacturers test to. UL lists products which have successfully passed a battery of witnessed tests including the withstand and close into fault tests described herein. Manufacturers that complete these tests are then permitted to label their products with the UL mark.

UL made changes in April of 1989 regarding the labeling requirements of transfer switches. UL clarified the labeling procedure and allows for three rating categories.

- Current limiting fuse
- Specific class (trip time) of molded case breaker

- “Umbrella” or “Any Breaker” ratings that take into account all types of molded, insulated case and power circuit breakers; these tests are performed for a duration of 50ms (3 cycles) on units 225 amps and greater, and for 25ms (1.5 cycles) on 40-150 amp units (with an optional 50ms (3 cycles) duration for units up to 150 amps; note the 50ms (3 cycles) rating on 150 amp and below units is optional as UL has determined that all breakers in this size clear in less than 25ms (1.5 cycles). The “Umbrella” or “Any Breaker” rating is therefore the actual UL requirement and definition of the ATS industry 50ms (3 cycles) (or 25ms (1.5 cycles) as noted) withstand and closing rating, and should not to be confused with additional, non UL 1008 labeled “withstand only” tests.

As per UL 1008 7th edition which became effective from Nov 1st, 2014, “Any Circuit Breaker” rating is replaced by “time based” rating and marking will show in second instead of # of cycles.

Another major change was implemented in UL 7th edition for Specific Breaker Certification. Per the new requirement, the circuit breaker must be tested with a transfer switch in order to be added to the approved breaker list. The new breaker can also be added to the approved breaker list if the fault clearing time from the published trip curve indicates that the new breaker will clear a fault in the same amount or less time than the time required to clear a fault using the breaker that was tested with the transfer switch successfully.

## Zenith Product Ratings

The ABB family of transfer switches have maintained an industry-leading role in ratings from the time of its introduction. Today all ZTX and ZTG products are labeled with a list of specific breaker ratings giving the consultant a free hand with system design. The following pages include the UL certified ratings and specific breaker coordination charts, withstand rating data and additional specific information.

The consulting engineer must review the time and rating to specify the breaker, care must be taken to assure that the breaker specified for the installation have an equal or shorter trip time when compared to the listed devices. This would limit the application of the switch to projects within the scope of its specific breaker listing.

In addition to this factor, many transfer switch manufacturers perform additional withstand tests on selected products. These additional tests may be either for a higher current value or a longer duration than their standard UL listed ratings. The consultant must determine the applicability of these tests and take careful note if these levels are normally not UL labeled ratings.

### Zenith T-series

Automatic transfer switch families

- **ZTX** Standard Transition Automatic Transfer Switches 30 - 1200 amps
- **ZTG** Standard Transition Automatic Transfer Switches 30 - 3000 amps
- **ZTGD** Delayed Transition Automatic Transfer Switches 30 - 3000 amps
- **ZTS** Standard Transition Automatic Transfer Switches 30 - 3000 amps
- **ZTSD** Delayed Transition Automatic Transfer Switches 30 - 3000 amps
- **ZTSC** Closed Transition Automatic Transfer Switches 400 - 3000 amps
- **ZBTS** Standard Transition Bypass-Isolation Automatic Transfer Switches 100-3000A
- **ZBTSD** Delayed Transition Bypass-Isolation Automatic Transfer Switches 100-3000A
- **ZBTSC** Closed Transition Bypass-Isolation Automatic Transfer Switches 1000-3000A



## Definitions & Calculations

### Purpose

Many questions arise when comparing WCR to the system fault current rating. Too often a switch is rated by a manufacturer in one set of WCR terms and the available system fault currents described with a different set of terms. The purpose of this paper is to outline the different ways switches may be rated (WCR) and systems are measured.

### Basic Definitions

- **RMS Current** – The Root Mean Square which is the effective value of an alternating current. It is equal to .707 of the peak current for a sine wave. This is the value referred to when people say “current.”
- **Peak Current** – The instantaneous maximum value of current—the peak current of a sine wave is 1.414 times its RMS value.
- **Symmetrical Current** – The alternating current which is symmetrical around the zero axis of the sine wave.
- **Asymmetrical Current** – The alternating current which is not symmetrical around the zero axis.
- **Peak Fault Current** – The instantaneous maximum current value that occurs after the start of a fault in any phase.
- **Available Peak Current** – Maximum possible short circuit current that may exist in a system without protective devices.
- **Peak Let Through Current** – Maximum instantaneous current through the protective device during the total clearing time.
- **Withstand Current Rating** – The rating that defines the ability of the switch to withstand the thermal and electromagnetic effects of short circuit currents for a set period of time.
- **Withstand and Closing Rating (WCR)** – UL 1008 test for a transfer switch’s ability to close into and withstand a fault current. These are the ratings which will actually appear on the UL label of the product.
- **Short-Time current rating (STR)** - UL 1008 test similar to withstand and closing rating but for a time period up to 0.5 seconds and provides for the requirement that the switch be capable of carrying full load current after the withstand and close-on short-circuit events.

### Test Documents

As fault currents can occur at any level, a transfer switch must be capable of withstanding any fault current up to its maximum rating. This rating is based on the rating of the protective device in front of the unit and must be considered on that basis.

ABB tests show results based on various current values and time durations, and include additional high current tests with fuses. By considering this range of values, it is possible to predict performance with different fuse characteristics or specific circuit breaker current-time curves with a given available short circuit current.

### Interrupting Ratings

Some manufacturers of circuit breaker type automatic transfer switches list interrupting current (IC) ratings in lieu of WCR. These switches will then open on faults instead of withstanding the fault until the external protective device clears. As the transfer switch is then used to open the fault current in place of a protective device—this may leave the transfer switch with both normal and emergency open which then requires manual resetting of the breakers within the transfer switch enclosure. The circuit breakers may require factory inspection after high current interruption in accordance with common circuit breaker procedures. WCR ratings, as opposed to IC ratings appear to offer a better choice to the system designer as he attempts to coordinate the protection of the entire system. Knowing the maximum amount and duration of fault current a switch will withstand gives the designer the information necessary for complete coordinated system design.

## Definitions & Calculations

### Advantage of RMS Symmetrical Ratings

- Date is consistently reported based on UL test procedures.
- Where time beyond the first ½ cycle is given suitable decisions can be made to use circuit breakers or fuses.
- Misleading reporting is eliminated

### Blow-On Effects on Short Circuit Current in Contacts

Some switch designers analyze “blow-on” and “blow-off” effects and force vectors (due to electromagnetic repulsion) to claim increased WCR capability of their product. Such calculations are very rough approximations because of inherent errors in estimating “domain” size and number, current “pinch” effect and the problem of complex geometry of actual contact structures when compared to idealized models. The only proof of a successful design are tests, uniformly performed and consistently reported all to the same criterion such as UL 1008.

Note when using this table:

For ZTS and ZBTS T-series only, time-based rating values override lower ratings present in coordination tables below.

**ZTS and ZBTS T-series withstand and Close-on Ratings (WCR) and Short-time Ratings (STR)**

| ATS frame    | ATS rating | Transition types | Coordinated fuse ratings |              |               | Coordinated breaker ratings |                  |                    |                  | Time-based ratings |             | Short-time ratings |             |
|--------------|------------|------------------|--------------------------|--------------|---------------|-----------------------------|------------------|--------------------|------------------|--------------------|-------------|--------------------|-------------|
|              |            |                  | 480V Max withstand       | Class        | Max fuse size | 240V Max withstand          | Max breaker size | 480V Max withstand | Max breaker size | 480V Max withstand | Time-period | 480V Max withstand | Time-period |
| R2           | 30-200A    | OT, DT           | 200kA                    | RK5          | 100A          | 200kA                       | 250A             | 200kA              | 125A             | 18kA               | 0.1 sec     | 18kA <sup>1</sup>  | 0.3 sec     |
|              |            |                  | 50kA                     | RK5          | 200A          |                             |                  |                    |                  |                    |             |                    |             |
|              |            |                  | 200kA                    | Class J or T | 200A          |                             |                  |                    |                  |                    |             |                    |             |
|              |            |                  | 100kA                    | Class J or T | 400A          |                             |                  | 100kA              | 250A             |                    |             |                    |             |
| R2           | 260A       | OT, DT           | 200kA                    | RK5          | 100A          | 200kA                       | 600A             | 200kA              | 250A             | 25kA               | 0.1 sec     | 25kA <sup>1</sup>  | 0.3 sec     |
|              |            |                  | 100kA                    | RK5          | 200A          |                             |                  |                    |                  |                    |             |                    |             |
|              |            |                  | 200kA                    | Class J or T | 200A          |                             |                  |                    |                  |                    |             |                    |             |
|              |            |                  | 100kA                    | Class J or T | 400A          |                             |                  | 100kA              | 600A             |                    |             |                    |             |
|              |            |                  | 50kA                     | Class J or T | 600A          |                             |                  |                    |                  |                    |             |                    |             |
| R3           | 400A       | OT, DT           | 200kA                    | Class J or T | 400A          | 200kA                       | 600A             | 200kA              | 250A             | 35kA               | 0.1 sec     | 30kA <sup>1</sup>  | 0.3 sec     |
|              |            |                  | 100kA                    | Class J or T | 600A          |                             |                  | 100kA              | 600A             |                    |             |                    |             |
|              |            |                  | 200kA <sup>1</sup>       | Class J or T | 600A          |                             |                  | 150kA <sup>1</sup> | 600A             |                    |             |                    |             |
|              |            |                  |                          |              |               |                             |                  |                    |                  |                    |             |                    |             |
| R3           | 600A       | OT, DT           | 200kA                    | Class J or T | 400A          | 200kA                       | 600A             | 100kA              | 600A             | 42kA               | 0.1 sec     | 30kA <sup>1</sup>  | 0.3 sec     |
|              |            |                  | 100kA                    | Class J or T | 600A          |                             |                  | 200kA <sup>1</sup> | 600A             |                    |             |                    |             |
|              |            |                  | 200kA <sup>1</sup>       | Class J or T | 800A          |                             |                  | 65kA <sup>1</sup>  | 800A             |                    |             |                    |             |
|              |            |                  | 200kA <sup>1</sup>       | Class L      | 800A          |                             |                  | 100kA <sup>1</sup> | 1200A            |                    |             |                    |             |
|              |            |                  | 100kA <sup>1</sup>       | Class L      | 2000A         |                             |                  |                    |                  |                    |             |                    |             |
| R4           | 800-1200A  | OT, DT           | 200kA <sup>1</sup>       | Class J or T | 800A          | 200kA <sup>1</sup>          | 1600A            | 65kA <sup>1</sup>  | 1600A            | 50kA               | 0.1 sec     | 50kA <sup>1</sup>  | 0.5 sec     |
|              |            |                  | 200kA <sup>1</sup>       | Class L      | 1200A         |                             |                  |                    |                  | 65kA               | 0.05 sec    |                    |             |
|              |            |                  |                          |              |               |                             |                  |                    |                  |                    |             |                    |             |
| 63L          | 100-1200A  | CT               | 200kA <sup>1</sup>       | Class L      | 3000A         | -                           | -                | 85kA               | 1600A            | 50kA               | 0.05 sec    | -                  | -           |
| R5           | 1600-3000A | OT, DT, CT       | 200kA <sup>1</sup>       | Class L      | 4000A         | 100kA                       | no max           | 100kA              | no max           | 100kA              | 0.05 sec    | 65kA               | 0.5 sec     |
| R4B (Bypass) | 100-600A   | OT, DT           | 200kA                    | Class J or T | 400A          | 200kA                       | 600A             | 100kA              | 600A             | 50kA               | 0.1 sec     | 50kA               | 0.5 sec     |
|              |            |                  | 100kA                    | Class J or T | 600A          |                             |                  |                    |                  |                    |             |                    |             |
|              |            |                  | 200kA <sup>1</sup>       | Class J or T | 800A          |                             |                  | 200kA <sup>1</sup> | 600A             | 65kA               | 0.05 sec    |                    |             |
|              |            |                  | 200kA <sup>1</sup>       | Class L      | 800A          |                             |                  | 65kA <sup>1</sup>  | 800A             |                    |             |                    |             |
|              | 800-1200A  | OT, DT           | 100kA <sup>1</sup>       | Class L      | 2000A         | 200kA                       | 1600A            | 100kA <sup>1</sup> | 1200A            | 50kA               | 0.1 sec     | 50kA               | 0.5 sec     |
|              |            |                  | 200kA <sup>1</sup>       | Class J or T | 800A          |                             |                  | 65kA <sup>1</sup>  | 1600A            | 65kA               | 0.05 sec    |                    |             |
| R5B (Bypass) | 1600-4000A | OT, DT, CT       | 200kA                    | Class L      | 4000A         | 100kA                       | no max           | 100kA              | no max           | 100kA              | 0.05 sec    | 65kA               | 0.5 sec     |

<sup>1)</sup> 3 phase applications only

<sup>2)</sup> Time-based WCR and STR do not apply to ZTX and ZTG T-series products

Specific Breaker Model Types

30-200A 2-pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                 |                         |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|------------------------------|-------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1-phase      | ABB                  | 25                                  | 600A              | T5V, T5L, T5H, T5S, T5N      |                         |
|                                                                  |                   |                      | 42                                  | 600A              | XT5V, XT5L, XT5H, XT5S, XT5N |                         |
|                                                                  |                   |                      | 50                                  | 250A              | T4V, T4L, T4H, T4S, T4N      |                         |
|                                                                  |                   |                      | 100A                                | 100A              | T2S                          |                         |
|                                                                  |                   |                      |                                     | 125A              | XT2N                         |                         |
|                                                                  |                   |                      |                                     | 250A              | XT4N                         |                         |
|                                                                  |                   |                      | 100                                 | 125A              | XT2S                         |                         |
|                                                                  |                   |                      |                                     | 250A              | XT4S                         |                         |
|                                                                  |                   |                      |                                     | 100A              | T2H                          |                         |
|                                                                  |                   |                      | 150                                 | 125A              | XT2H                         |                         |
|                                                                  |                   |                      |                                     | 250A              | XT4H                         |                         |
|                                                                  |                   |                      |                                     | 200               | 125A                         | XT2V, XT2L              |
|                                                                  |                   |                      | General Electric                    | 18                | 250A                         | XT4V, XT4L              |
|                                                                  |                   |                      |                                     |                   | 150A                         | SED                     |
|                                                                  |                   | 30                   |                                     | 600A              | SGP, SGL, SGH                |                         |
|                                                                  |                   | 65                   |                                     | 60A               | SEH                          |                         |
|                                                                  |                   |                      |                                     | 150A              | SEH                          |                         |
|                                                                  |                   |                      |                                     | 250A              | SFH                          |                         |
|                                                                  |                   | 85                   |                                     | 250A              | SFP, SFL                     |                         |
|                                                                  |                   | 100                  |                                     | 60A               | SEL                          |                         |
|                                                                  |                   |                      |                                     | 150A              | SEL, SEP                     |                         |
|                                                                  |                   |                      |                                     | 200               | 60A                          | SEP                     |
|                                                                  |                   | Schneider            |                                     | 25                | 125A                         | BD                      |
|                                                                  |                   |                      |                                     |                   | 150A                         | HD                      |
|                                                                  |                   |                      |                                     |                   | 250A                         | JD                      |
|                                                                  |                   |                      |                                     |                   | 600A                         | LD                      |
|                                                                  |                   |                      | 50                                  | 600A              | LR, LL, LJ, LG               |                         |
|                                                                  |                   |                      |                                     | 125A              | BG                           |                         |
|                                                                  |                   |                      | 65                                  | 150A              | HG                           |                         |
|                                                                  |                   |                      |                                     | 250A              | JG                           |                         |
|                                                                  |                   |                      | 100                                 | 125A              | BJ                           |                         |
|                                                                  |                   |                      |                                     | 150A              | HJ                           |                         |
|                                                                  |                   |                      | 250A                                | 250A              | JJ                           |                         |
|                                                                  |                   |                      |                                     | 150A              | HL                           |                         |
|                                                                  |                   |                      | 125                                 | 250A              | JL                           |                         |
|                                                                  |                   |                      |                                     | 200               | 150A                         | HR                      |
|                                                                  |                   | 250A                 | 250A                                | JR                |                              |                         |
|                                                                  |                   |                      | Eaton                               | 30                | 400A                         | KDC, HKD, CHKD, KD, CKD |
|                                                                  |                   | 42                   |                                     | 600A              | LGX, LGU, LGC, LGH, LGS      |                         |
|                                                                  |                   | 50                   |                                     | 250A              | JDC, HJD, JD, JDB            |                         |
|                                                                  |                   | 65                   |                                     | 225A              | FD, FDE                      |                         |
|                                                                  |                   | 85                   |                                     | 125A              | EGS                          |                         |
|                                                                  |                   |                      |                                     | 250A              | JGS                          |                         |
|                                                                  |                   | 100                  |                                     | 125A              | EGH                          |                         |
|                                                                  |                   |                      |                                     | 225A              | HFD, HFDE                    |                         |
|                                                                  |                   |                      |                                     | 250A              | JGH                          |                         |
|                                                                  |                   | 200                  |                                     | 125A              | EGC                          |                         |
|                                                                  |                   |                      |                                     | 225A              | FDC, FDCE                    |                         |
|                                                                  |                   |                      |                                     | 250A              | JGX, JGU, JGC                |                         |
|                                                                  |                   | Siemens              |                                     | 65                | 125A                         | ED6, ED4                |
|                                                                  |                   |                      |                                     |                   | 250A                         | FD6A, FXD6A             |
|                                                                  |                   |                      | 400A                                |                   | SCJD6, SHJD6, SJD6           |                         |
|                                                                  |                   |                      | 600A                                |                   | SCLD6, SHLD6, SLD6           |                         |
|                                                                  |                   |                      | 100                                 | 125A              | HHED4, HED4                  |                         |
|                                                                  |                   |                      |                                     | 250A              | HFD6, HFXD6                  |                         |
|                                                                  |                   |                      | 200                                 | 125A              | CED6                         |                         |
|                                                                  |                   |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6          |                         |
|                                                                  |                   |                      | Fused                               | 50                | 600A                         | 300V Class T fuses      |
|                                                                  |                   |                      |                                     | 100               | 400A                         | 300V Class T fuses      |
|                                                                  |                   |                      |                                     | 200               | 200A                         | 300V Class T fuses      |

## Specific Breaker Model Types

30-200A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                 |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1 or 3-phase | ABB                  | 42                                  | 600A              | XT5V, XT5L, XT5H, XT5S, XT5N |
|                                                                  |                   |                      | 50                                  | 250A              | T4V, T4L, T4H, T4S, T4N      |
|                                                                  |                   |                      |                                     | 600A              | T5N, T5S, T5V, T5L, T5H      |
|                                                                  |                   |                      | 65                                  | 100A              | T2S                          |
|                                                                  |                   |                      |                                     | 125A              | XT2N                         |
|                                                                  |                   |                      |                                     | 250A              | XT4N                         |
|                                                                  |                   |                      | 100                                 | 125A              | XT2S                         |
|                                                                  |                   |                      |                                     | 250A              | XT4S                         |
|                                                                  |                   |                      | 150                                 | 100A              | T2H                          |
|                                                                  |                   |                      |                                     | 125A              | XT2H                         |
|                                                                  |                   |                      |                                     | 250A              | XT4H                         |
|                                                                  |                   |                      | 200                                 | 125A              | XT2V, XT2L                   |
|                                                                  |                   |                      |                                     | 250A              | XT4V, XT4L                   |
|                                                                  |                   | General Electric     | 18                                  | 150A              | SED                          |
|                                                                  |                   |                      | 30                                  | 600A              | SGP, SGL, SGH                |
|                                                                  |                   |                      | 42                                  | 250A              | PEC                          |
|                                                                  |                   |                      | 50                                  | 600A              | PGE, PGN, PGH, PGL, PGP      |
|                                                                  |                   |                      | 65                                  | 100A              | TEY                          |
|                                                                  |                   |                      |                                     | 125A              | TEYF, TEYD, TEYH             |
|                                                                  |                   |                      |                                     | 150A              | SEH                          |
|                                                                  |                   |                      | 85                                  | 250A              | SFH, PEE                     |
|                                                                  |                   |                      |                                     | 250A              | SFP, SFL                     |
|                                                                  |                   |                      | 100                                 | 125A              | TEYL                         |
|                                                                  |                   |                      |                                     | 150A              | SEP, SEL                     |
|                                                                  |                   |                      |                                     | 250A              | PEN                          |
|                                                                  |                   |                      | 150                                 | 250A              | PEH                          |
|                                                                  |                   |                      |                                     | 60A               | SEP                          |
|                                                                  |                   | Schneider            | 25                                  | 250A              | PEL                          |
|                                                                  |                   |                      |                                     | 125A              | BD                           |
|                                                                  |                   |                      |                                     | 150A              | HD                           |
|                                                                  |                   |                      |                                     | 250A              | JD                           |
|                                                                  |                   |                      | 30                                  | 600A              | LD                           |
|                                                                  |                   |                      |                                     | 125A              | BG, BJ                       |
|                                                                  |                   |                      | 50                                  | 600A              | LR, LL, LJ, LG               |
|                                                                  |                   |                      | 65                                  | 150A              | HG                           |
|                                                                  |                   |                      |                                     | 250A              | JG                           |
|                                                                  |                   |                      | 100                                 | 150A              | HJ                           |
|                                                                  |                   |                      |                                     | 250A              | JJ                           |
|                                                                  |                   |                      | 125                                 | 150A              | HL                           |
|                                                                  |                   |                      |                                     | 250A              | JL                           |
|                                                                  |                   |                      | 200                                 | 150A              | HR                           |
|                                                                  |                   |                      |                                     | 250A              | JR                           |
|                                                                  |                   | Eaton                | 30                                  | 400A              | KDC, HKD, CHKD, KD, CKD      |
|                                                                  |                   |                      | 35                                  | 225A              | FD, FDE                      |
|                                                                  |                   |                      | 42                                  | 600A              | LGX, LGU, LGC, LGH, LGS      |
|                                                                  |                   |                      | 50                                  | 225A              | HFD, HFDE, FDCE              |
|                                                                  |                   |                      |                                     | 250A              | JDC, HJD, JD, JDB            |
|                                                                  |                   |                      | 65                                  | 225A              | FD, FDE                      |
|                                                                  |                   |                      | 85                                  | 125A              | EGS                          |
|                                                                  |                   |                      |                                     | 250A              | JGS                          |
|                                                                  |                   |                      | 100                                 | 125A              | EGH                          |
|                                                                  |                   |                      |                                     | 250A              | JGH                          |
|                                                                  |                   |                      | 200                                 | 125A              | EGC                          |
|                                                                  |                   |                      |                                     | 225A              | FDC                          |
|                                                                  |                   |                      |                                     | 250A              | JGX, JGU, JGC                |
|                                                                  |                   | Siemens              | 65                                  | 125A              | ED4, ED6                     |
|                                                                  |                   |                      |                                     | 250A              | FD6A, FXD6A                  |
|                                                                  |                   |                      |                                     | 400A              | SCJD6, SHJD6, SJD6           |
|                                                                  |                   |                      |                                     | 600A              | SCLD6, SHLD6, SLD6           |
|                                                                  |                   |                      | 100                                 | 125A              | HHED6, HED4                  |
|                                                                  |                   |                      |                                     | 250A              | HFD6, HFXD6, HHFD6, HHFXD6   |
|                                                                  |                   |                      | 200                                 | 125A              | CED6                         |
|                                                                  |                   |                      |                                     | 250A              | CFD6                         |
|                                                                  |                   | Fused                | 50                                  | 600A              | 300V Class T fuses           |
|                                                                  |                   |                      | 100                                 | 400A              | 300V Class T fuses           |
|                                                                  |                   |                      | 200                                 | 200A              | 300V Class T fuses           |

## Specific Breaker Model Types

30-200A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                             |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|------------------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 480V 1 or 3-phase | ABB                  | 25                                  | 125A              | XT2N                                     |
|                                                                  |                   |                      |                                     | 250A              | T4N, XT4N                                |
|                                                                  |                   |                      |                                     | 600A              | T5N                                      |
|                                                                  |                   |                      | 35                                  | 100A              | T2S                                      |
|                                                                  |                   |                      |                                     | 125A              | XT2S                                     |
|                                                                  |                   |                      |                                     | 250A              | T4S, XT4S                                |
|                                                                  |                   |                      | 42                                  | 600A              | XT5N, T5S                                |
|                                                                  |                   |                      |                                     | 600A              | XT5V, XT5L, XT5H, XT5S                   |
|                                                                  |                   |                      | 50                                  | 250A              | T4V, T4L, T4H                            |
|                                                                  |                   |                      |                                     | 600A              | T5H, T5L, T5V                            |
|                                                                  |                   |                      | 65                                  | 100A              | T2H                                      |
|                                                                  |                   |                      |                                     | 125A              | XT2H                                     |
|                                                                  |                   |                      |                                     | 250A              | XT4H                                     |
|                                                                  |                   |                      | 100                                 | 125A              | XT2L                                     |
|                                                                  |                   |                      |                                     | 250A              | XT4L                                     |
|                                                                  |                   |                      |                                     | 150               | 125A                                     |
|                                                                  |                   | General Electric     | 14                                  | 100A              | TEY                                      |
|                                                                  |                   |                      | 18                                  | 125A              | TEYF                                     |
|                                                                  |                   |                      |                                     | 150A              | SED                                      |
|                                                                  |                   |                      | 25                                  | 150A              | SEH                                      |
|                                                                  |                   |                      |                                     | 250A              | PEC                                      |
|                                                                  |                   |                      | 30                                  | 600A              | SGH, SGL, SGP, PGE, PGN, PGH, PGL, PGP   |
|                                                                  |                   |                      | 35                                  | 125A              | TEYH                                     |
|                                                                  |                   |                      |                                     | 250A              | SFH, PEE                                 |
|                                                                  |                   |                      | 42                                  | 250A              | SFP, SFL                                 |
|                                                                  |                   |                      |                                     | 150A              | SEP, SEL                                 |
|                                                                  |                   |                      | 50                                  | 60A               | SEP, SEL                                 |
|                                                                  |                   |                      |                                     | 125A              | TEYL                                     |
|                                                                  |                   |                      |                                     | 250A              | PEN                                      |
|                                                                  |                   |                      | 100                                 | 250A              | PEH, PEL                                 |
|                                                                  |                   | Schneider            | 18                                  | 125A              | EDB, BD                                  |
|                                                                  |                   |                      |                                     | 150A              | HD                                       |
|                                                                  |                   |                      |                                     | 250A              | JD                                       |
|                                                                  |                   |                      |                                     | 600A              | LD                                       |
|                                                                  |                   |                      | 25                                  | 600A              | LR, LL, LJ, LG                           |
|                                                                  |                   |                      | 30                                  | 125A              | EGB, EJB, BG, BJ                         |
|                                                                  |                   |                      | 35                                  | 150A              | HG                                       |
|                                                                  |                   |                      |                                     | 250A              | JG                                       |
|                                                                  |                   |                      | 65                                  | 150A              | HJ                                       |
|                                                                  |                   |                      |                                     | 250A              | JJ                                       |
|                                                                  |                   |                      | 100                                 | 150A              | HR, HL                                   |
|                                                                  |                   |                      |                                     | 250A              | JR, JL                                   |
|                                                                  |                   | Eaton                | 30                                  | 400A              | KD, CKD, HKD, CHKD, KDC                  |
|                                                                  |                   |                      | 35                                  | 125A              | EGS, EGH                                 |
|                                                                  |                   |                      |                                     | 225A              | FD, FDE                                  |
|                                                                  |                   |                      |                                     | 250A              | JGS, JDB, JD, HJD, JGH                   |
|                                                                  |                   |                      | 42                                  | 250A              | JDC                                      |
|                                                                  |                   |                      | 50                                  | 225A              | FDC, FDCE, HFD, HFDE                     |
|                                                                  |                   |                      | 65                                  | 250A              | JGX, JGU, JGC, JGH                       |
|                                                                  |                   | 100                  | 125A                                | EGC               |                                          |
|                                                                  |                   | Siemens              | 150                                 | 100A              | EGC+CL                                   |
|                                                                  |                   |                      | 18                                  | 125A              | ED4                                      |
|                                                                  |                   |                      |                                     | 25                | 125A                                     |
|                                                                  |                   |                      | 35                                  | 250A              | FD6, FXD6A                               |
|                                                                  |                   |                      |                                     | 400A              | SCJD6, SHJD6, SJD6                       |
|                                                                  |                   |                      |                                     | 600A              | SCLD6, SLD6, SHLD6                       |
|                                                                  |                   |                      | 42                                  | 125A              | HED4                                     |
|                                                                  |                   |                      | 65                                  | 125A              | HHED6                                    |
|                                                                  |                   |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6, HFD6, HFXD6, JGH+CL |
|                                                                  |                   |                      | 200                                 | 125A              | CED6                                     |
|                                                                  |                   |                      | Fused                               | 50                | 200A                                     |
|                                                                  |                   | 100                  |                                     | 400A              | Class J & T fuses                        |
|                                                                  |                   | 200                  |                                     | 100A              | Class RK5 fuses                          |
|                                                                  |                   |                      |                                     | 200A              | Class J & T fuses                        |



# Specific Breaker Model Types

260A 2 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                         |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|--------------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1-phase      | ABB                  | 65                                  | 100A              | T2S                                  |
|                                                                  |                   |                      |                                     | 125A              | XT2N                                 |
|                                                                  |                   |                      |                                     | 250A              | T4N, XT4N                            |
|                                                                  |                   |                      |                                     | 600A              | XT5N                                 |
|                                                                  |                   |                      | 100                                 | 125A              | XT2S                                 |
|                                                                  |                   |                      |                                     | 250A              | T4S, XT4S                            |
|                                                                  |                   |                      |                                     | 600A              | XT5S                                 |
|                                                                  |                   |                      | 150                                 | 100A              | T2H                                  |
|                                                                  |                   |                      |                                     | 125A              | XT2H                                 |
|                                                                  |                   |                      |                                     | 250A              | T4H, XT4H                            |
|                                                                  |                   |                      |                                     | 600A              | XT5H                                 |
|                                                                  |                   |                      | 200                                 | 125A              | XT2V, XT2L                           |
|                                                                  |                   |                      |                                     | 250A              | T4V, T4L, XT4V, XT4L                 |
|                                                                  |                   |                      |                                     | 600A              | XT5V, XT5L                           |
|                                                                  |                   | General Electric     | 18                                  | 150A              | SED                                  |
|                                                                  |                   |                      | 50                                  | 600A              | SGP, SGL, SGH                        |
|                                                                  |                   |                      | 65                                  | 150A              | SEH                                  |
|                                                                  |                   |                      |                                     | 250A              | SFH                                  |
|                                                                  |                   |                      | 100                                 | 150A              | SEL                                  |
|                                                                  |                   |                      |                                     | 250A              | SFP, SFL                             |
|                                                                  |                   |                      | 200                                 | 150A              | SEP                                  |
|                                                                  |                   | Schneider            | 25                                  | 125A              | BD                                   |
|                                                                  |                   |                      |                                     | 150A              | HD                                   |
|                                                                  |                   |                      |                                     | 250A              | JD                                   |
|                                                                  |                   |                      |                                     | 600A              | LD                                   |
|                                                                  |                   |                      | 65                                  | 125A              | BG                                   |
|                                                                  |                   |                      |                                     | 150A              | HG                                   |
|                                                                  |                   |                      |                                     | 250A              | JG                                   |
|                                                                  |                   |                      |                                     | 600A              | LG                                   |
|                                                                  |                   |                      | 100                                 | 125A              | BJ                                   |
|                                                                  |                   |                      |                                     | 150A              | HJ                                   |
|                                                                  |                   |                      |                                     | 250A              | JJ                                   |
|                                                                  |                   |                      |                                     | 600A              | LR, LL, LJ                           |
|                                                                  |                   |                      | 125                                 | 150A              | HL                                   |
|                                                                  |                   |                      |                                     | 250A              | JL                                   |
|                                                                  |                   |                      | 200                                 | 150A              | HR                                   |
|                                                                  |                   |                      |                                     | 250A              | JR                                   |
|                                                                  |                   | Eaton                | 42                                  | 600A              | LDC, CLDC, HLD, CHLD, LD, CLD        |
|                                                                  |                   |                      |                                     | 225A              | FD, FDE                              |
|                                                                  |                   |                      | 65                                  | 250A              | JD, JDB                              |
|                                                                  |                   |                      |                                     | 400A              | KDC, HKD, CHKD, KD, CKD              |
|                                                                  |                   |                      | 85                                  | 125A              | EGS                                  |
|                                                                  |                   |                      |                                     | 250A              | JGS                                  |
|                                                                  |                   |                      |                                     | 600A              | LGX, LGU, LGC, LGH, LGS              |
|                                                                  |                   |                      | 100                                 | 125A              | EGH                                  |
|                                                                  |                   |                      |                                     | 225A              | HFD, HFDE                            |
|                                                                  |                   |                      |                                     | 250A              | JGH, JDC, HJD                        |
|                                                                  |                   |                      | 200                                 | 125A              | EGC                                  |
|                                                                  |                   |                      |                                     | 225A              | FDC, FDCE                            |
|                                                                  |                   |                      |                                     | 250A              | JGX, JGU, JGC                        |
|                                                                  |                   | Siemens              | 65                                  | 125A              | ED4, ED6                             |
|                                                                  |                   |                      |                                     | 250A              | FD6A, FXD6A                          |
|                                                                  |                   |                      |                                     | 400A              | JD6A, JXD6A, SJD6                    |
|                                                                  |                   |                      |                                     | 600A              | LD6, LXD6, SLD6                      |
|                                                                  |                   |                      | 85                                  | 400A              | CJD6, HHJD6A, HHJXD6A, HJD6A, HJXD6A |
|                                                                  |                   |                      |                                     | 600A              | CLD6, HHLXD6, HHLXD6, HLD6, HLXD6    |
|                                                                  |                   |                      | 100                                 | 125A              | HHED6, HED4                          |
|                                                                  |                   |                      |                                     | 250A              | HFD6, HFXD6                          |
|                                                                  |                   |                      |                                     | 400A              | SHJD6                                |
|                                                                  |                   |                      |                                     | 600A              | SHLD6                                |
|                                                                  |                   |                      | 200                                 | 125A              | CED6                                 |
|                                                                  |                   |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6                  |
|                                                                  |                   |                      |                                     | 400A              | SCJD6                                |
|                                                                  |                   |                      |                                     | 600A              | SCLD6                                |
|                                                                  |                   | Fused                | 50                                  | 800A              | 300V Class T fuses                   |
|                                                                  |                   |                      | 100                                 | 600A              | 300V Class T fuses                   |
|                                                                  |                   |                      | 200                                 | 400A              | 300V Class T fuses                   |

Specific Breaker Model Types

260A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                  |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|-------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1 or 3-phase | ABB                  | 35                                  | 600A              | T5S                           |
|                                                                  |                   |                      | 50                                  | 600A              | T5H, T5V, T5L                 |
|                                                                  |                   |                      | 65                                  | 100A              | T2S                           |
|                                                                  |                   |                      |                                     | 125A              | XT2N                          |
|                                                                  |                   |                      |                                     | 250A              | T4N, XT4N                     |
|                                                                  |                   |                      |                                     | 600A              | XT5N                          |
|                                                                  |                   |                      | 100                                 | 125A              | XT2S, XT2H                    |
|                                                                  |                   |                      |                                     | 250A              | T4S, XT4S                     |
|                                                                  |                   |                      |                                     | 600A              | XT5S                          |
|                                                                  |                   |                      | 150                                 | 100               | T2H                           |
|                                                                  |                   |                      |                                     | 250               | T4H, XT4H                     |
|                                                                  |                   |                      |                                     | 600               | XT5H                          |
|                                                                  |                   |                      | 200                                 | 125               | XT2V, XT2L                    |
|                                                                  |                   |                      |                                     | 250               | T4V, T4L, XT4V, XT4L          |
|                                                                  |                   |                      |                                     | 600               | XT5V, XT5L                    |
|                                                                  |                   | General Electric     | 18                                  | 150A              | SED                           |
|                                                                  |                   |                      | 42                                  | 250A              | PEC                           |
|                                                                  |                   |                      | 50                                  | 600A              | SGP, SGL, SGH                 |
|                                                                  |                   |                      | 65                                  | 100A              | TEY                           |
|                                                                  |                   |                      |                                     | 125A              | TEYF, TEYD, TEYH              |
|                                                                  |                   |                      |                                     | 150A              | SFH                           |
|                                                                  |                   |                      |                                     | 600A              | PEE                           |
|                                                                  |                   |                      | 100                                 | 125A              | TEYL                          |
|                                                                  |                   |                      |                                     | 150A              | SEL                           |
|                                                                  |                   |                      |                                     | 250A              | SFP, SFL                      |
|                                                                  |                   |                      |                                     | 600A              | PEN, PEH, PEL, PEP            |
|                                                                  |                   |                      | 150                                 | 250A              | PEH                           |
|                                                                  |                   |                      | 200                                 | 150A              | SEP                           |
|                                                                  |                   | Schneider            | 25                                  | 125A              | BD                            |
|                                                                  |                   |                      |                                     | 150A              | HD                            |
|                                                                  |                   |                      |                                     | 250A              | JD                            |
|                                                                  |                   |                      |                                     | 600A              | LD                            |
|                                                                  |                   |                      | 35                                  | 125A              | BG                            |
|                                                                  |                   |                      | 50                                  | 125A              | BJ                            |
|                                                                  |                   |                      | 65                                  | 150A              | HG                            |
|                                                                  |                   |                      |                                     | 250A              | JG                            |
|                                                                  |                   |                      |                                     | 600A              | LG                            |
|                                                                  |                   |                      | 100                                 | 150A              | HJ                            |
|                                                                  |                   |                      |                                     | 250A              | JJ                            |
|                                                                  |                   |                      |                                     | 600A              | LR, LL, LJ                    |
|                                                                  |                   |                      | 125                                 | 150A              | HL                            |
|                                                                  |                   |                      |                                     | 250A              | JL                            |
|                                                                  |                   |                      | 200                                 | 150A              | HR                            |
|                                                                  |                   |                      |                                     | 250A              | JR                            |
|                                                                  |                   | Eaton                | 42                                  | 600A              | LDC, CLDC, HLD, CHLD, LD, CLD |
|                                                                  |                   |                      | 65                                  | 225A              | FD, FDE                       |
|                                                                  |                   |                      |                                     | 250A              | JD, JDB, HJD                  |
|                                                                  |                   |                      |                                     | 400A              | KDC, HKD, CHKD, KD, CKD       |
|                                                                  |                   |                      |                                     | 600A              | LGX, LGU, LGC, LGH, LGS       |
|                                                                  |                   |                      | 85                                  | 125A              | EGS                           |
|                                                                  |                   |                      |                                     | 250A              | JGS                           |
|                                                                  |                   |                      | 100                                 | 125A              | EGH                           |
|                                                                  |                   |                      |                                     | 225A              | HFD, HFDE, FDCE               |
|                                                                  |                   |                      |                                     | 250A              | JGH, JDC                      |
|                                                                  |                   |                      | 200                                 | 125A              | EGC                           |
|                                                                  |                   |                      |                                     | 225A              | FDC                           |
|                                                                  |                   |                      |                                     | 250A              | JGX, JGU, JGC                 |



# Specific Breaker Model Types

260A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp.  | Breaker Type                         |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|--------------------|--------------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1 or 3-phase | Siemens              | 65                                  | 125A               | ED4, ED6                             |
|                                                                  |                   |                      |                                     | 250A               | FD6A, FXD6A                          |
|                                                                  |                   |                      |                                     | 400A               | JD6A, JXD6A, SJD6                    |
|                                                                  |                   |                      |                                     | 600A               | LD6, LXD6, SLD6                      |
|                                                                  |                   |                      | 85                                  | 400A               | CJD6, HHJD6A, HHJXD6A, HJD6A, HJXD6A |
|                                                                  |                   |                      |                                     | 600A               | CLD6, HHL6, HHLXD6, HLD6, HLXD6      |
|                                                                  |                   |                      | 100                                 | 125A               | HHED6, HED4                          |
|                                                                  |                   |                      |                                     | 250A               | HFD6, HFXD6, HHFD6, HHFXD6           |
|                                                                  |                   |                      |                                     | 400A               | SHJD6                                |
|                                                                  |                   |                      |                                     | 600A               | SHLD6                                |
|                                                                  |                   |                      | 200                                 | 125A               | CED6                                 |
|                                                                  |                   |                      |                                     | 250A               | CFD6                                 |
|                                                                  |                   |                      |                                     | 400A               | SCJD6                                |
|                                                                  |                   |                      |                                     | 600A               | SCLD6                                |
|                                                                  |                   | Fused                | 50                                  | 800A               | 300V Class T fuses                   |
|                                                                  |                   |                      | 100                                 | 600A               | 300V Class T fuses                   |
|                                                                  |                   |                      | 400A                                | 300V Class T fuses |                                      |
|                                                                  |                   |                      | 200                                 | 200A               | 300V Class T fuses                   |
|                                                                  | 480V 1 or 3-phase | ABB                  | 25                                  | 125A               | XT2N                                 |
|                                                                  |                   |                      |                                     | 250A               | T4N, XT4N                            |
|                                                                  |                   |                      |                                     | 600A               | T5N                                  |
|                                                                  |                   |                      | 35                                  | 100A               | T2S                                  |
|                                                                  |                   |                      |                                     | 125A               | XT2S                                 |
|                                                                  |                   |                      |                                     | 250A               | T4S, XT4S                            |
|                                                                  |                   |                      | 50                                  | 600A               | T5S, XT5N                            |
|                                                                  |                   |                      |                                     | 600A               | T5H, T5L, T5V, XT5S                  |
|                                                                  |                   |                      | 65                                  | 100A               | T2H                                  |
|                                                                  |                   |                      |                                     | 125A               | XT2H                                 |
|                                                                  |                   |                      |                                     | 250A               | T4H, XT4H                            |
|                                                                  |                   |                      | 100                                 | 600A               | XT5H                                 |
|                                                                  |                   |                      |                                     | 125A               | XT2L                                 |
|                                                                  |                   |                      |                                     | 250A               | T4V, T4L, XT4L                       |
|                                                                  |                   |                      |                                     | 600A               | XT5L, XT5V                           |
|                                                                  |                   |                      | 150                                 | 125A               | XT2V                                 |
|                                                                  |                   |                      |                                     | 250A               | XT4V                                 |
|                                                                  |                   | General Electric     | 14                                  | 100A               | TEY                                  |
|                                                                  |                   |                      | 18                                  | 125A               | TEYF                                 |
|                                                                  |                   |                      |                                     | 150A               | SED                                  |
|                                                                  |                   |                      | 25                                  | 125A               | TEYD                                 |
|                                                                  |                   |                      |                                     | 150A               | SEH                                  |
|                                                                  |                   |                      |                                     | 250A               | PEC                                  |
|                                                                  |                   |                      | 35                                  | 125A               | TEYH                                 |
|                                                                  |                   |                      |                                     | 250A               | SFH, PEE                             |
|                                                                  |                   |                      |                                     | 600A               | SGH, PGE                             |
|                                                                  |                   |                      | 50                                  | 600A               | SGL, SGP, PGN, PGH, PGL, PGP         |
|                                                                  |                   |                      | 65                                  | 125A               | TEYL                                 |
|                                                                  |                   |                      |                                     | 150A               | SEL                                  |
|                                                                  |                   |                      |                                     | 250A               | SFL                                  |
|                                                                  |                   |                      |                                     | 600A               | PEN                                  |
|                                                                  |                   |                      | 85                                  | 250A               | SFP                                  |
|                                                                  |                   |                      | 100                                 | 150A               | SEP                                  |
|                                                                  |                   |                      |                                     | 250A               | PEH                                  |
|                                                                  |                   |                      | 150                                 | 250A               | PEL                                  |

Specific Breaker Model Types

260A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                                                    |
|---------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|-----------------------------------------------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 480V 1 or 3-phase | Schneider            | 18                                  | 125A              | EDB, BD                                                         |
|                                                         |                   |                      |                                     | 150A              | HD                                                              |
|                                                         |                   |                      |                                     | 250A              | JD                                                              |
|                                                         |                   |                      |                                     | 600A              | LD                                                              |
|                                                         |                   |                      | 35                                  | 125A              | EGB, BG                                                         |
|                                                         |                   |                      |                                     | 150A              | HG                                                              |
|                                                         |                   |                      |                                     | 250A              | JG                                                              |
|                                                         |                   |                      |                                     | 600A              | LG                                                              |
|                                                         |                   |                      | 50                                  | 125A              | LJ, LL, LR                                                      |
|                                                         |                   |                      |                                     | 600A              | EJB, BJ                                                         |
|                                                         |                   |                      | 65                                  | 150A              | HJ                                                              |
|                                                         |                   |                      |                                     | 250A              | JJ                                                              |
|                                                         |                   |                      | 100                                 | 150A              | HL                                                              |
|                                                         |                   |                      |                                     | 250A              | JL                                                              |
|                                                         |                   |                      | 200                                 | 150A              | HR                                                              |
|                                                         |                   |                      |                                     | 250A              | JR                                                              |
|                                                         |                   | Eaton                | 35                                  | 125A              | EGS                                                             |
|                                                         |                   |                      |                                     | 225A              | FD, FDE                                                         |
|                                                         |                   |                      |                                     | 250A              | JDB, JD, JGS                                                    |
|                                                         |                   |                      |                                     | 400A              | KD, CKD                                                         |
|                                                         |                   |                      |                                     | 600A              | LD, CLD, HLD, CHLD, LDC, CLDC                                   |
|                                                         |                   |                      | 50                                  | 225A              | HFD, HFDE, FDCE                                                 |
|                                                         |                   |                      |                                     | 250A              | HJD                                                             |
|                                                         |                   |                      |                                     | 400A              | HKD, CHKD, KDC                                                  |
|                                                         |                   |                      | 65                                  | 600A              | LGC, LGU, LGX, LGH, LGS                                         |
|                                                         |                   |                      |                                     | 125A              | EGH                                                             |
|                                                         |                   |                      | 100                                 | 250A              | JGH                                                             |
|                                                         |                   |                      |                                     | 125A              | EGC                                                             |
|                                                         |                   |                      |                                     | 225A              | FDC                                                             |
|                                                         |                   |                      | 150                                 | 250A              | JGC, JDC, JGH+CL                                                |
|                                                         |                   |                      |                                     | 125A              | EGC+CL                                                          |
|                                                         |                   |                      |                                     | 250A              | JGU                                                             |
|                                                         |                   |                      | 200                                 | 250A              | JGX                                                             |
|                                                         |                   | Siemens              | 18                                  | 125A              | ED4                                                             |
|                                                         |                   |                      | 25                                  | 125A              | ED6                                                             |
|                                                         |                   |                      | 35                                  | 250A              | FD6A, FXD6A                                                     |
|                                                         |                   |                      |                                     | 400A              | JD6-A, JXD6-A, HJD6-A, HJXD6-A, HHJD6-A, HHJXD6-A, CJD6-A, SJD6 |
|                                                         |                   |                      |                                     | 600A              | CLD6, HHLD6, HHLXD6, HLD6, HLXD6, LD6, LXD6, SLD6               |
|                                                         |                   |                      | 42                                  | 125A              | HED4                                                            |
|                                                         |                   |                      | 50                                  | 400A              | SCJD6, SHJD6                                                    |
|                                                         |                   |                      |                                     | 600A              | SCLD6, SHLD6                                                    |
|                                                         |                   |                      | 65                                  | 125A              | HHED6                                                           |
|                                                         |                   |                      |                                     | 250A              | HFD6, HFXD6                                                     |
|                                                         |                   |                      | 100                                 | 250A              | CFD6, HHFD6, HHFXD6                                             |
|                                                         |                   |                      | 200                                 | 125A              | CED6                                                            |
|                                                         |                   | Fused                | 50                                  | 600A              | Class J & T fuses                                               |
|                                                         |                   |                      | 100                                 | 200A              | Class RK5 fuses                                                 |
|                                                         |                   |                      |                                     | 400A              | Class J & T fuses                                               |
|                                                         |                   |                      | 200                                 | 100A              | Class RK5 fuses                                                 |
|                                                         |                   |                      |                                     | 200A              | Class J & T fuses                                               |



# Specific Breaker Model Types

400A 2 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type         |
|---------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|----------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 240V 1-phase      | ABB                  | 65                                  | 100A              | T2S                  |
|                                                         |                   |                      |                                     | 125A              | XT2N                 |
|                                                         |                   |                      |                                     | 250A              | T4N, XT4N            |
|                                                         |                   |                      |                                     | 600A              | XT5N                 |
|                                                         |                   |                      | 100                                 | 125A              | XT2S                 |
|                                                         |                   |                      |                                     | 250A              | T4S, XT4S            |
|                                                         |                   |                      |                                     | 600A              | XT5S                 |
|                                                         |                   |                      | 150                                 | 100A              | T2H                  |
|                                                         |                   |                      |                                     | 125A              | XT2H                 |
|                                                         |                   |                      |                                     | 250A              | T4H, XT4H            |
|                                                         |                   |                      |                                     | 600A              | XT5H                 |
|                                                         |                   |                      | 200                                 | 125A              | XT2V, XT2L           |
|                                                         |                   |                      |                                     | 250A              | T4V, T4L, XT4V, XT4L |
|                                                         |                   |                      |                                     | 600A              | XT5V, XT5L           |
|                                                         |                   | General Electric     | 18                                  | 60A               | SED                  |
|                                                         |                   |                      |                                     | 150A              | SED                  |
|                                                         |                   |                      | 42                                  | 250A              | PEC                  |
|                                                         |                   |                      | 50                                  | 600A              | SGP, SGL, SGH        |
|                                                         |                   |                      | 65                                  | 60A               | SEH                  |
|                                                         |                   |                      |                                     | 150A              | SEH                  |
|                                                         |                   |                      |                                     | 250A              | SFH, PEE             |
|                                                         |                   |                      |                                     | 600A              | PGE                  |
|                                                         |                   |                      | 100                                 | 60A               | SEL                  |
|                                                         |                   |                      |                                     | 150A              | SEL                  |
|                                                         |                   |                      |                                     | 250A              | SFP, SFL, PEN        |
|                                                         |                   |                      |                                     | 600A              | PGN, PGH, PGL, PGP   |
|                                                         |                   |                      | 150                                 | 250A              | PEH                  |
|                                                         |                   |                      | 200                                 | 60A               | SEP                  |
|                                                         |                   |                      | 200                                 | 150A              | SEP                  |
|                                                         |                   |                      | 200                                 | 250A              | PEL                  |
|                                                         |                   | Schneider            | 25                                  | 125A              | BD                   |
|                                                         |                   |                      |                                     | 150A              | HD                   |
|                                                         |                   |                      |                                     | 250A              | JD                   |
|                                                         |                   |                      |                                     | 600A              | LD                   |
|                                                         |                   |                      | 30                                  | 125A              | BG, BJ               |
|                                                         |                   |                      | 65                                  | 150A              | HG                   |
|                                                         |                   |                      |                                     | 250A              | JG                   |
|                                                         |                   |                      |                                     | 600A              | LG                   |
|                                                         |                   |                      | 100                                 | 125A              | BJ                   |
|                                                         |                   |                      |                                     | 150A              | HJ                   |
|                                                         |                   |                      |                                     | 250A              | JJ                   |
|                                                         |                   |                      |                                     | 600A              | LR, LL, LJ           |
|                                                         |                   |                      | 125                                 | 150A              | HL                   |
|                                                         |                   |                      |                                     | 250A              | JL                   |
|                                                         |                   |                      | 200                                 | 150A              | HR                   |
|                                                         |                   |                      |                                     | 250A              | JR                   |

Specific Breaker Model Types

400A 2 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                                 |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|----------------------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1-phase      | Eaton                | 42                                  | 600A              | LDC, CLDC, HLD, CHLD                         |
|                                                                  |                   |                      | 65                                  | 225A              | FD, FDE                                      |
|                                                                  |                   |                      |                                     | 250A              | JD, JDB                                      |
|                                                                  |                   |                      |                                     | 400A              | KDC, HKD, CHKD, KD, CKD                      |
|                                                                  |                   |                      | 85                                  | 125A              | EGS                                          |
|                                                                  |                   |                      |                                     | 250A              | JGS                                          |
|                                                                  |                   |                      |                                     | 600A              | LGS                                          |
|                                                                  |                   |                      | 100                                 | 125A              | EGH                                          |
|                                                                  |                   |                      |                                     | 225A              | HFD, HFDE                                    |
|                                                                  |                   |                      |                                     | 250A              | JGH, JDC, HJD                                |
|                                                                  |                   |                      |                                     | 600A              | LGX, LGU, LGC, LGH                           |
|                                                                  |                   |                      | 200                                 | 125A              | EGC                                          |
|                                                                  |                   |                      |                                     | 225A              | FDC, FDCE                                    |
|                                                                  |                   |                      |                                     | 250A              | JGX, JGU, JGC                                |
|                                                                  |                   | Siemens              | 65                                  | 125A              | ED6, ED4                                     |
|                                                                  |                   |                      |                                     | 250A              | FD6A, FXD6A                                  |
|                                                                  |                   |                      |                                     | 400A              | JD6A, JXD6A, SJD6                            |
|                                                                  |                   |                      |                                     | 600A              | LD6, LXD6, SLD6                              |
|                                                                  |                   |                      | 100                                 | 125A              | HHED4, HED4                                  |
|                                                                  |                   |                      |                                     | 250A              | HFD6, HFXD6                                  |
|                                                                  |                   |                      |                                     | 400A              | CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, SHJD6 |
|                                                                  |                   |                      |                                     | 600A              | CLD6, HHLD6, HHLXD6, HLD6, HLXD6, SHLD6      |
|                                                                  |                   |                      | 200                                 | 125A              | CED6                                         |
|                                                                  |                   |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6                          |
|                                                                  |                   |                      |                                     | 400A              | SCJD6                                        |
|                                                                  |                   |                      |                                     | 600A              | SCLD6                                        |
|                                                                  |                   | Fused                | 50                                  | 800A              | 300V T-Fuses                                 |
|                                                                  |                   |                      | 100                                 | 600A              | 300V T-Fuses                                 |
|                                                                  |                   |                      | 200                                 | 400A              | 300V T-Fuses                                 |



# Specific Breaker Model Types

400A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage  | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                 |
|---------------------------------------------------------|--------------------|----------------------|-------------------------------------|-------------------|------------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 480V, 3-phase only | ABB                  | 25                                  | 125A              | XT2N                         |
|                                                         |                    |                      |                                     | 250A              | T4N, XT4N                    |
|                                                         |                    |                      |                                     | 600A              | T5N                          |
|                                                         |                    |                      | 35                                  | 100A              | T2S                          |
|                                                         |                    |                      |                                     | 125A              | XT2S                         |
|                                                         |                    |                      |                                     | 250A              | T4S, XT4S                    |
|                                                         |                    |                      | 35                                  | 600A              | T5S, XT5N                    |
|                                                         |                    |                      |                                     | 600A              | XT5S                         |
|                                                         |                    |                      |                                     | 100A              | T2H                          |
|                                                         |                    |                      | 65                                  | 125A              | XT2H                         |
|                                                         |                    |                      |                                     | 250A              | XT4H, T4H                    |
|                                                         |                    |                      |                                     | 600A              | T5H, XT5H                    |
|                                                         |                    |                      | 100                                 | 125A              | XT2L                         |
|                                                         |                    |                      |                                     | 250A              | XT4L, T4L                    |
|                                                         |                    |                      |                                     | 600A              | T5L, XT5V, XT5L              |
|                                                         |                    |                      | 150                                 | 125A              | XT2V                         |
|                                                         |                    |                      |                                     | 250A              | XT4V, T4V                    |
|                                                         |                    |                      |                                     | 600A              | T5V                          |
|                                                         |                    | General Electric     | 18                                  | 60A               | SED                          |
|                                                         |                    |                      |                                     | 150A              | SED                          |
|                                                         |                    |                      | 25                                  | 60A               | SEH                          |
|                                                         |                    |                      |                                     | 150A              | SEH                          |
|                                                         |                    |                      |                                     | 250A              | PEC                          |
|                                                         |                    |                      | 35                                  | 250A              | SFH, PEE                     |
|                                                         |                    |                      |                                     | 600A              | SGH, PGE                     |
|                                                         |                    |                      | 50                                  | 600A              | SGP, SGL, PGN, PGH, PGL, PGP |
|                                                         |                    |                      | 65                                  | 60A               | SEL                          |
|                                                         |                    |                      |                                     | 150A              | SEL                          |
|                                                         |                    |                      |                                     | 250A              | SFL, PEN                     |
|                                                         |                    |                      | 100                                 | 60A               | SEP                          |
|                                                         |                    |                      |                                     | 150A              | SEP                          |
|                                                         |                    |                      |                                     | 250A              | SFP, PEH                     |
|                                                         |                    |                      | 150                                 | 250A              | PEL                          |
|                                                         |                    | Schneider            | 18                                  | 125A              | EDB, BD                      |
|                                                         |                    |                      |                                     | 150A              | HD                           |
|                                                         |                    |                      |                                     | 250A              | JD                           |
|                                                         |                    |                      |                                     | 600A              | LD                           |
|                                                         |                    |                      | 30                                  | 125A              | EGB, BG, EJB, BJ             |
|                                                         |                    |                      | 35                                  | 150A              | HG                           |
|                                                         |                    |                      |                                     | 250A              | JG                           |
|                                                         |                    |                      |                                     | 600A              | LG                           |
|                                                         |                    |                      | 50                                  | 600A              | LR, LL, LJ                   |
|                                                         |                    |                      | 65                                  | 150A              | HJ                           |
|                                                         |                    |                      |                                     | 250A              | JJ                           |
|                                                         |                    |                      | 100                                 | 150A              | HL                           |
|                                                         |                    |                      |                                     | 250A              | JL                           |
|                                                         |                    |                      | 200                                 | 150A              | HR                           |
|                                                         |                    |                      |                                     | 250A              | JR                           |

Specific Breaker Model Types

400A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage   | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                                             |                     |
|---------------------------------------------------------|---------------------|----------------------|-------------------------------------|-------------------|----------------------------------------------------------|---------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 480V, 3-phase only  | Eaton                | 35                                  | 125A              | EGS                                                      |                     |
|                                                         |                     |                      |                                     | 225A              | FD, FDE                                                  |                     |
|                                                         |                     |                      |                                     | 250A              | JGS, JD, JDB                                             |                     |
|                                                         |                     |                      |                                     | 400A              | KD, CKD                                                  |                     |
|                                                         |                     |                      |                                     | 600A              | LDC, CLDC, HLD, CHLD, LD, CLD                            |                     |
|                                                         |                     |                      | 50                                  | 400A              | HKD, CHKD                                                |                     |
|                                                         |                     |                      |                                     | 600A              | LGX, LGU, LGC, LGH, LGS                                  |                     |
|                                                         |                     |                      | 65                                  | 125A              | EGH                                                      |                     |
|                                                         |                     |                      |                                     | 225A              | HFD, HFDE                                                |                     |
|                                                         |                     |                      |                                     | 250A              | JGH, HJD                                                 |                     |
|                                                         |                     |                      |                                     | 400A              | KDC, PDG3                                                |                     |
|                                                         |                     |                      | 100                                 | 125A              | EGC                                                      |                     |
|                                                         |                     |                      |                                     | 225A              | FDC, FDCE                                                |                     |
|                                                         |                     |                      |                                     | 250A              | JGC, JDC                                                 |                     |
|                                                         |                     |                      | 150                                 | 125A              | EGC+CL                                                   |                     |
|                                                         |                     |                      |                                     | 250A              | JGU                                                      |                     |
|                                                         |                     |                      |                                     | 200               | 250A                                                     | JGX, JGH+CL         |
|                                                         |                     |                      | Siemens                             | 18                | 125A                                                     | ED4                 |
|                                                         |                     | 25                   |                                     | 125A              | ED6                                                      |                     |
|                                                         |                     | 35                   |                                     | 400A              | CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, JD6A, JXD6A, SJD6 |                     |
|                                                         |                     |                      |                                     | 600A              | CLD6, HHL6, HHLXD6, HLD6, HLXD6, LD6, LXD6, SCLD6        |                     |
|                                                         |                     | 42                   |                                     | 125A              | HED4                                                     |                     |
|                                                         |                     | 65                   |                                     | 125A              | HHED6                                                    |                     |
|                                                         |                     |                      |                                     | 400A              | SCJD6, SHJD6                                             |                     |
|                                                         |                     |                      |                                     | 600A              | SCLD6                                                    |                     |
|                                                         |                     | 100                  |                                     | 250A              | HHFD6, HHFXD6, HFD6, HFXD6, FD6A, FXD6A                  |                     |
|                                                         |                     | 200                  |                                     | 125A              | CED6                                                     |                     |
|                                                         |                     |                      |                                     | 250A              | CFD6                                                     |                     |
|                                                         |                     | Fused                |                                     | 200               | 200A                                                     | CLASS RK5 FUSES     |
|                                                         |                     |                      |                                     | 600A              | CLASS J & T FUSES                                        |                     |
|                                                         | 480V, 3 and 1-phase | ABB                  |                                     | 25                | 125A                                                     | XT2N                |
|                                                         |                     |                      |                                     |                   | 250A                                                     | T4N, XT4N           |
|                                                         |                     |                      |                                     |                   | 600A                                                     | T5N                 |
|                                                         |                     |                      |                                     | 35                | 100A                                                     | T2S                 |
|                                                         |                     |                      |                                     |                   | 125A                                                     | XT2S                |
|                                                         |                     |                      |                                     |                   | 250A                                                     | XT4S, T4S           |
|                                                         |                     |                      |                                     |                   | 600A                                                     | T5S, XT5N           |
|                                                         |                     |                      |                                     | 50                | 600A                                                     | T5H, T5L, T5V, XT5S |
|                                                         |                     |                      |                                     |                   | 100A                                                     | T2H                 |
|                                                         |                     |                      |                                     | 65                | 125A                                                     | XT2H                |
|                                                         |                     |                      |                                     |                   | 250A                                                     | T4H, XT4H           |
|                                                         |                     |                      |                                     |                   | 600A                                                     | XT5H                |
|                                                         |                     |                      |                                     | 100               | 125A                                                     | XT2L                |
|                                                         |                     |                      |                                     |                   | 250A                                                     | T4V, T4L, XT4L      |
|                                                         |                     |                      |                                     |                   | 600A                                                     | XT5V, XT5L          |
|                                                         |                     |                      |                                     | 150               | 125A                                                     | XT2V                |
|                                                         |                     |                      |                                     |                   | 250A                                                     | XT4V                |
|                                                         |                     |                      |                                     | General Electric  | 18                                                       | 60A                 |
|                                                         |                     |                      | 150A                                |                   |                                                          | SED                 |
|                                                         |                     |                      | 25                                  |                   | 60A                                                      | SEH                 |
|                                                         |                     |                      |                                     |                   | 150A                                                     | SEH                 |
|                                                         |                     |                      |                                     |                   | 250A                                                     | PEC                 |
|                                                         |                     |                      | 35                                  |                   | 250A                                                     | SFH, PEE            |
|                                                         |                     |                      |                                     |                   | 600A                                                     | SGH                 |
|                                                         |                     |                      | 50                                  |                   | 600A                                                     | SGL, SGP            |
|                                                         |                     |                      |                                     |                   | 60A                                                      | SEL                 |
|                                                         |                     |                      | 65                                  |                   | 150A                                                     | SEL                 |
|                                                         |                     |                      |                                     |                   | 250A                                                     | SFL, PEN            |
|                                                         |                     |                      | 85                                  |                   | 250A                                                     | SFP                 |
|                                                         |                     |                      |                                     |                   | 100                                                      | 60A                 |
|                                                         |                     | 150A                 | SEP                                 |                   |                                                          |                     |
|                                                         |                     | 250A                 | PEH                                 |                   |                                                          |                     |
|                                                         |                     | 150                  | 250A                                | PEL               |                                                          |                     |



# Specific Breaker Model Types

400A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage   | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                                              |
|---------------------------------------------------------|---------------------|----------------------|-------------------------------------|-------------------|-----------------------------------------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 480V, 3 and 1-phase | Schneider            | 18                                  | 125A              | EDB, BD                                                   |
|                                                         |                     |                      |                                     | 150A              | HD                                                        |
|                                                         |                     |                      |                                     | 250A              | JD                                                        |
|                                                         |                     |                      |                                     | 600A              | LD                                                        |
|                                                         |                     |                      | 30                                  | 125A              | EGB, BG, EJB, BJ                                          |
|                                                         |                     |                      |                                     | 150A              | HG                                                        |
|                                                         |                     |                      | 35                                  | 250A              | JG                                                        |
|                                                         |                     |                      |                                     | 600A              | LG                                                        |
|                                                         |                     |                      | 50                                  | 600A              | LJ, LL, LR                                                |
|                                                         |                     |                      |                                     | 150A              | HJ                                                        |
|                                                         |                     |                      | 65                                  | 250A              | JJ                                                        |
|                                                         |                     |                      |                                     | 150A              | HL                                                        |
|                                                         |                     |                      | 100                                 | 250A              | JL                                                        |
|                                                         |                     |                      |                                     | 150A              | HR                                                        |
|                                                         |                     |                      | 200                                 | 250A              | JR                                                        |
|                                                         |                     | Eaton                | 35                                  | 125A              | EGS                                                       |
|                                                         |                     |                      |                                     | 225A              | FD, FDE                                                   |
|                                                         |                     |                      |                                     | 250A              | JDB, JD, JGS                                              |
|                                                         |                     |                      |                                     | 400A              | KD, CKD                                                   |
|                                                         |                     |                      |                                     | 600A              | LD, CLD, HLD, CHLD, LDC, CLDC                             |
|                                                         |                     |                      | 50                                  | 400A              | HKD, CHKD, KDC                                            |
|                                                         |                     |                      |                                     | 600A              | LGC, LGU, LGX, LGH, LGS                                   |
|                                                         |                     |                      | 65                                  | 125A              | EGH                                                       |
|                                                         |                     |                      |                                     | 225A              | HFD, HFDE                                                 |
|                                                         |                     |                      |                                     | 250A              | JGH, HJD                                                  |
|                                                         |                     |                      | 100                                 | 125A              | EGC                                                       |
|                                                         |                     |                      |                                     | 225A              | FDC, FDCE                                                 |
|                                                         |                     |                      |                                     | 250A              | JGC, JGH, JDC                                             |
|                                                         |                     |                      | 150                                 | 125A              | EGC+CL                                                    |
|                                                         |                     |                      |                                     | 250A              | JGU                                                       |
|                                                         |                     |                      | 200                                 | 250A              | JGX                                                       |
|                                                         |                     | Siemens              | 18                                  | 125A              | ED4                                                       |
|                                                         |                     |                      | 25                                  | 125A              | ED6                                                       |
|                                                         |                     |                      | 35                                  | 400A              | CJD6-A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, JD6A, JXD6A, SJD6 |
|                                                         |                     |                      |                                     | 600A              | CLD6, HHLD6, HHLXD6, HLD6, HLXD6, LD6, LXD6, SCLD6        |
|                                                         |                     |                      | 42                                  | 125A              | HED4                                                      |
|                                                         |                     |                      | 65                                  | 125A              | HHED4                                                     |
|                                                         |                     |                      |                                     | 400A              | SCJD6, SHJD6                                              |
|                                                         |                     |                      |                                     | 600A              | SCLD6, SCLD6                                              |
|                                                         |                     |                      | 100                                 | 250A              | CFD6, HHFD6, HHFXD6, HFD6, HFXD6, FD6A, FXD6A             |
|                                                         |                     |                      | 200                                 | 125A              | CED6                                                      |
|                                                         |                     | Fused                | 100                                 | 600A              | CLASS J & T FUSES                                         |
|                                                         |                     |                      |                                     | 200A              | CLASS RK5 FUSES                                           |
|                                                         |                     |                      | 200                                 | 400A              | CLASS J & T FUSES                                         |
|                                                         |                     |                      |                                     | 100A              | CLASS RK5 FUSES                                           |



Specific Breaker Model Types

400A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage  | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                  |
|------------------------------------------------------------------|--------------------|----------------------|-------------------------------------|-------------------|-------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V, 3-phase only | ABB                  | 65                                  | 100A              | T2S                           |
|                                                                  |                    |                      |                                     | 125A              | XT2N                          |
|                                                                  |                    |                      |                                     | 250A              | T4N, XT4N                     |
|                                                                  |                    |                      |                                     | 600A              | T5N, XT5N                     |
|                                                                  |                    |                      | 100                                 | 125A              | XT2S                          |
|                                                                  |                    |                      |                                     | 250A              | T4S, XT4S                     |
|                                                                  |                    |                      |                                     | 600A              | T5S, XT5S                     |
|                                                                  |                    |                      | 150                                 | 100A              | T2H                           |
|                                                                  |                    |                      |                                     | 125A              | XT2H                          |
|                                                                  |                    |                      |                                     | 250A              | T4H, XT4H                     |
|                                                                  |                    |                      |                                     | 600A              | T5H, XT5H                     |
|                                                                  |                    |                      | 200                                 | 125A              | XT2V, XT2L                    |
|                                                                  |                    |                      |                                     | 250A              | T4V, T4L, XT4V, XT4L          |
|                                                                  |                    |                      |                                     | 600A              | T5V, T5L, XT5V, XT5L          |
|                                                                  |                    | General Electric     | 18                                  | 60A               | SED                           |
|                                                                  |                    |                      |                                     | 150A              | SED                           |
|                                                                  |                    |                      |                                     | 250A              | PEC                           |
|                                                                  |                    |                      | 50                                  | 600A              | SGP, SGL, SGH                 |
|                                                                  |                    |                      |                                     | 60A               | SEH                           |
|                                                                  |                    |                      |                                     | 150A              | SEH                           |
|                                                                  |                    |                      | 65                                  | 250A              | SFH, PEE                      |
|                                                                  |                    |                      |                                     | 600A              | PGE                           |
|                                                                  |                    |                      | 100                                 | 60A               | SEL                           |
|                                                                  |                    |                      |                                     | 150A              | SEL                           |
|                                                                  |                    |                      |                                     | 250A              | SFL, PEN                      |
|                                                                  |                    |                      |                                     | 600A              | PGN, PGH, PGL, PGP            |
|                                                                  |                    |                      | 150                                 | 250A              | PEH                           |
|                                                                  |                    |                      |                                     | 60A               | SEP                           |
|                                                                  |                    |                      | 200                                 | 150A              | SEP                           |
|                                                                  |                    |                      |                                     | 250A              | SFP, PEL                      |
|                                                                  |                    | Schneider            | 25                                  | 125A              | BD                            |
|                                                                  |                    |                      |                                     | 150A              | HD                            |
|                                                                  |                    |                      |                                     | 250A              | JD                            |
|                                                                  |                    |                      |                                     | 600A              | LD                            |
|                                                                  |                    |                      | 30                                  | 125A              | BG, BJ                        |
|                                                                  |                    |                      |                                     | 150A              | HG                            |
|                                                                  |                    |                      |                                     | 250A              | JG                            |
|                                                                  |                    |                      | 65                                  | 600A              | LG                            |
|                                                                  |                    |                      |                                     | 150A              | HJ                            |
|                                                                  |                    |                      |                                     | 250A              | JJ                            |
|                                                                  |                    |                      | 100                                 | 600A              | LL, LJ                        |
|                                                                  |                    |                      |                                     | 150A              | HL                            |
|                                                                  |                    |                      |                                     | 250A              | JL                            |
|                                                                  |                    |                      | 125                                 | 150A              | HR                            |
|                                                                  |                    |                      |                                     | 250A              | JR                            |
|                                                                  |                    |                      | 200                                 | 600A              | C                             |
|                                                                  |                    | Eaton                | 42                                  | 600A              | LDC, CLDC, HLD, CHLD, LD, CLD |
|                                                                  |                    |                      |                                     | 225A              | FD, FDE                       |
|                                                                  |                    |                      | 65                                  | 250A              | JD, JDB                       |
|                                                                  |                    |                      |                                     | 400A              | KD, CKD, HKD, CHKD, KDC       |
|                                                                  |                    |                      | 85                                  | 125A              | EGS                           |
|                                                                  |                    |                      |                                     | 250A              | JGS                           |
|                                                                  |                    |                      |                                     | 600A              | LGS                           |
|                                                                  |                    |                      | 100                                 | 125A              | EGH                           |
|                                                                  |                    |                      |                                     | 225A              | HFD, HFDE                     |
|                                                                  |                    |                      |                                     | 250A              | JGH                           |
|                                                                  |                    |                      |                                     | 600A              | LGH                           |
|                                                                  |                    |                      | 150                                 | 600A              | LGX, LGU, LGC                 |
|                                                                  |                    |                      |                                     | 125A              | EGC                           |
|                                                                  |                    |                      | 200                                 | 225A              | FDC, FDCE                     |
|                                                                  |                    |                      |                                     | 250A              | JGX, JGU, JGC, JDC            |



## Specific Breaker Model Types

400A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage   | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                                 |
|------------------------------------------------------------------|---------------------|----------------------|-------------------------------------|-------------------|----------------------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V, 3-phase only  | Siemens              | 65                                  | 125A              | ED6, ED4                                     |
|                                                                  |                     |                      |                                     | 250A              | FD6A, FXD6A                                  |
|                                                                  |                     |                      |                                     | 400A              | JD6A, JXD6A, SCJD6                           |
|                                                                  |                     |                      |                                     | 600A              | LD6, LXD6, SLD6                              |
|                                                                  |                     |                      | 100                                 | 125A              | HHED6, HED4                                  |
|                                                                  |                     |                      |                                     | 250A              | HFD6, HFXD6                                  |
|                                                                  |                     |                      |                                     | 400A              | CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, SHJD6 |
|                                                                  |                     |                      |                                     | 600A              | CLD6, HHL6, HHLXD6, HLD6, HLXD6, SHLD6       |
|                                                                  |                     |                      | 200                                 | 125A              | CED6                                         |
|                                                                  |                     |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6                          |
|                                                                  |                     |                      |                                     | 400A              | SCJD6                                        |
|                                                                  |                     |                      |                                     | 600A              | SCLD6                                        |
|                                                                  | 240V, 3 and 1-phase | Fused                | 100                                 | 800A              | 300V Class T- fuses                          |
|                                                                  |                     |                      | 200                                 | 600A              | 300V Class T- fuses                          |
|                                                                  |                     | ABB                  | 65                                  | 100A              | T2S                                          |
|                                                                  |                     |                      |                                     | 125A              | XT2N                                         |
|                                                                  |                     |                      |                                     | 250A              | T4N, XT4N                                    |
|                                                                  |                     |                      |                                     | 600A              | XT5N                                         |
|                                                                  |                     |                      | 100                                 | 125A              | XT2S                                         |
|                                                                  |                     |                      |                                     | 250A              | T4S, XT4S                                    |
|                                                                  |                     |                      |                                     | 600A              | XT5S                                         |
|                                                                  |                     |                      | 150                                 | 100A              | T2H                                          |
|                                                                  |                     |                      |                                     | 125A              | XT2H                                         |
|                                                                  |                     |                      |                                     | 250A              | T4H, XT4H                                    |
|                                                                  |                     |                      |                                     | 600A              | XT5H                                         |
|                                                                  |                     |                      | 200                                 | 125A              | XT2V, XT2L                                   |
|                                                                  |                     |                      |                                     | 250A              | T4V, T4L, XT4V, XT4L                         |
|                                                                  |                     |                      |                                     | 600A              | XT5V, XT5L                                   |
|                                                                  |                     | General Electric     | 18                                  | 60A               | SED                                          |
|                                                                  |                     |                      |                                     | 150A              | SED                                          |
|                                                                  |                     |                      | 50                                  | 600A              | SGP, SGL, SGH                                |
|                                                                  |                     |                      |                                     | 60A               | SEH                                          |
|                                                                  |                     |                      |                                     | 150A              | SEH                                          |
|                                                                  |                     |                      |                                     | 250A              | SFH                                          |
|                                                                  |                     |                      | 100                                 | 60A               | SEL                                          |
|                                                                  |                     |                      |                                     | 150A              | SEL                                          |
|                                                                  |                     |                      |                                     | 250A              | SFP, SFL                                     |
|                                                                  |                     |                      | 200                                 | 60A               | SEP                                          |
|                                                                  |                     |                      |                                     | 150A              | SEP                                          |
|                                                                  |                     | Schneider            | 25                                  | 125A              | BD                                           |
|                                                                  |                     |                      |                                     | 150A              | HD                                           |
|                                                                  |                     |                      |                                     | 250A              | JD                                           |
|                                                                  |                     |                      |                                     | 600A              | LD                                           |
|                                                                  |                     |                      | 65                                  | 125A              | BG                                           |
|                                                                  |                     |                      |                                     | 150A              | HG                                           |
|                                                                  |                     |                      |                                     | 250A              | JG                                           |
|                                                                  |                     |                      |                                     | 600A              | LG                                           |
|                                                                  |                     |                      | 100                                 | 125A              | BJ                                           |
|                                                                  |                     |                      |                                     | 150A              | HJ                                           |
|                                                                  |                     |                      |                                     | 250A              | JJ                                           |
|                                                                  |                     |                      |                                     | 600A              | LR, LL, LJ                                   |
|                                                                  |                     |                      | 125                                 | 150A              | HL                                           |
|                                                                  |                     |                      |                                     | 250A              | JL                                           |
|                                                                  |                     |                      | 200                                 | 150A              | HR                                           |
|                                                                  |                     |                      |                                     | 250A              | JR                                           |

Specific Breaker Model Types

400A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage   | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                                 |              |
|------------------------------------------------------------------|---------------------|----------------------|-------------------------------------|-------------------|----------------------------------------------|--------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V, 3 and 1-phase | Eaton                | 42                                  | 600A              | LDC, CLDC, HLD, CHLD                         |              |
|                                                                  |                     |                      | 65                                  | 225A              | FD, FDE                                      |              |
|                                                                  |                     |                      |                                     | 250A              | JD, JDB                                      |              |
|                                                                  |                     |                      |                                     | 400A              | KDC, HKD, CHKD, KD, CKD                      |              |
|                                                                  |                     |                      | 85                                  | 125A              | EGS                                          |              |
|                                                                  |                     |                      |                                     | 250A              | JGS                                          |              |
|                                                                  |                     |                      |                                     | 600A              | LGS                                          |              |
|                                                                  |                     |                      | 100                                 | 125A              | EGH                                          |              |
|                                                                  |                     |                      |                                     | 225A              | HFD, HFDE                                    |              |
|                                                                  |                     |                      |                                     | 250A              | JGH, JDC, HJD                                |              |
|                                                                  |                     |                      |                                     | 600A              | LGX, LGU, LGC, LGH                           |              |
|                                                                  |                     |                      | 200                                 | 125A              | EGC                                          |              |
|                                                                  |                     |                      |                                     | 225A              | FDC, FDCE                                    |              |
|                                                                  |                     |                      |                                     | 250A              | JGX, JGU, JGC                                |              |
|                                                                  |                     | Siemens              |                                     | 65                | 125A                                         | ED6, ED4     |
|                                                                  |                     |                      |                                     |                   | 250A                                         | FD6A, FXD6A  |
|                                                                  |                     |                      | 400A                                |                   | JD6A, JXD6A, SJD6                            |              |
|                                                                  |                     |                      | 100                                 | 600A              | LD6, LXD6, SLD6                              |              |
|                                                                  |                     |                      |                                     | 125A              | HHED4, HED4                                  |              |
|                                                                  |                     |                      |                                     | 250A              | HFD6, HFXD6                                  |              |
|                                                                  |                     |                      |                                     | 400A              | CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, SHJD6 |              |
|                                                                  |                     |                      |                                     | 600A              | CLD6, HHLD6, HHLXD6, HLD6, HLXD6, SHLD6      |              |
|                                                                  |                     |                      | 200                                 | 125A              | CED6                                         |              |
|                                                                  |                     |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6                          |              |
|                                                                  |                     |                      |                                     | 400A              | SCJD6                                        |              |
|                                                                  |                     |                      |                                     | 600A              | SCLD6                                        |              |
|                                                                  |                     |                      | Fused                               | 50                | 800A                                         | 300V T-Fuses |
|                                                                  |                     |                      |                                     | 100               | 600A                                         | 300V T-Fuses |
|                                                                  |                     |                      |                                     | 200               | 400A                                         | 300V T-Fuses |



# Specific Breaker Model Types

600A 2 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type         |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|----------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1-phase      | ABB                  | 65                                  | 100A              | T2S                  |
|                                                                  |                   |                      |                                     | 125A              | XT2N                 |
|                                                                  |                   |                      |                                     | 250A              | T4N, XT4N            |
|                                                                  |                   |                      |                                     | 600A              | XT5N                 |
|                                                                  |                   |                      | 100                                 | 125A              | XT2S                 |
|                                                                  |                   |                      |                                     | 250A              | T4S, XT4S            |
|                                                                  |                   |                      |                                     | 600A              | XT5S                 |
|                                                                  |                   |                      | 150                                 | 100A              | T2H                  |
|                                                                  |                   |                      |                                     | 125A              | XT2H                 |
|                                                                  |                   |                      |                                     | 250A              | T4H, XT4H            |
|                                                                  |                   |                      |                                     | 600A              | XT5H                 |
|                                                                  |                   |                      | 200                                 | 125A              | XT2V, XT2L           |
|                                                                  |                   |                      |                                     | 250A              | T4V, T4L, XT4V, XT4L |
|                                                                  |                   |                      |                                     | 600A              | XT5V, XT5L           |
|                                                                  |                   | General Electric     | 18                                  | 60A               | SED                  |
|                                                                  |                   |                      |                                     | 150A              | SED                  |
|                                                                  |                   |                      |                                     | 250A              | PEC                  |
|                                                                  |                   |                      | 50                                  | 600A              | SGP, SGL, SGH        |
|                                                                  |                   |                      |                                     | 60A               | SEH                  |
|                                                                  |                   |                      |                                     | 150A              | SEH                  |
|                                                                  |                   |                      | 65                                  | 250A              | SFH, PEE             |
|                                                                  |                   |                      |                                     | 600A              | PGE                  |
|                                                                  |                   |                      | 100                                 | 60A               | SEL                  |
|                                                                  |                   |                      |                                     | 150A              | SEL                  |
|                                                                  |                   |                      |                                     | 250A              | SFP, SFL, PEN        |
|                                                                  |                   |                      |                                     | 600A              | PGN, PGH, PGL, PGP   |
|                                                                  |                   |                      | 150                                 | 250A              | PEH                  |
|                                                                  |                   |                      |                                     | 60A               | SEP                  |
|                                                                  |                   |                      | 200                                 | 150A              | SEP                  |
|                                                                  |                   |                      |                                     | 250A              | PEL                  |
|                                                                  |                   | Schneider            | 25                                  | 125A              | BD                   |
|                                                                  |                   |                      |                                     | 150A              | HD                   |
|                                                                  |                   |                      |                                     | 250A              | JD                   |
|                                                                  |                   |                      |                                     | 600A              | LD                   |
|                                                                  |                   |                      | 65                                  | 125A              | BG                   |
|                                                                  |                   |                      |                                     | 150A              | HG                   |
|                                                                  |                   |                      |                                     | 250A              | JG                   |
|                                                                  |                   |                      |                                     | 600A              | LG                   |
|                                                                  |                   |                      | 100                                 | 125A              | BJ                   |
|                                                                  |                   |                      |                                     | 150A              | HJ                   |
|                                                                  |                   |                      |                                     | 250A              | JJ                   |
|                                                                  |                   |                      |                                     | 600A              | LR, LL, LJ           |
|                                                                  |                   |                      | 125                                 | 150A              | HL                   |
|                                                                  |                   |                      |                                     | 250A              | JL                   |
|                                                                  |                   |                      | 200                                 | 150A              | HR                   |
|                                                                  |                   |                      |                                     | 250A              | JR                   |

Specific Breaker Model Types

600A 2 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                          |
|------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|---------------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V 1-phase      | Eaton                | 42                                  | 600A              | LDC, CLDC, HLD, CHLD, LD, CLD         |
|                                                                  |                   |                      | 65                                  | 225A              | FD, FDE                               |
|                                                                  |                   |                      |                                     | 250A              | JD, JDB                               |
|                                                                  |                   |                      |                                     | 400A              | KDC, HKD, CHKD, KD, CKD               |
|                                                                  |                   |                      | 85                                  | 125A              | EGS                                   |
|                                                                  |                   |                      |                                     | 250A              | JGS                                   |
|                                                                  |                   |                      |                                     | 600A              | LGS                                   |
|                                                                  |                   |                      | 100                                 | 125A              | EGH                                   |
|                                                                  |                   |                      |                                     | 225A              | HFD, HFDE                             |
|                                                                  |                   |                      |                                     | 250A              | JGH, JDC, HJD                         |
|                                                                  |                   |                      |                                     | 600A              | LGX, LGU, LGC, LGH                    |
|                                                                  |                   |                      | 200                                 | 125A              | EGC                                   |
|                                                                  |                   |                      |                                     | 225A              | FDC, FDCE                             |
|                                                                  |                   |                      |                                     | 250A              | JGX, JGU, JGC                         |
|                                                                  |                   | Siemens              | 65                                  | 125A              | ED6, ED4                              |
|                                                                  |                   |                      |                                     | 250A              | FD6A, FXD6A                           |
|                                                                  |                   |                      |                                     | 400A              | JD6A, JXD6A, SJD6                     |
|                                                                  |                   |                      |                                     | 600A              | LD6, LXD6, SLD6                       |
|                                                                  |                   |                      | 85                                  | 400A              | CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A |
|                                                                  |                   |                      |                                     | 600A              | CLD6, HHLD6, HHLXD6, HLD6, HLXD6      |
|                                                                  |                   |                      | 100                                 | 125A              | HHED4, HED4                           |
|                                                                  |                   |                      |                                     | 250A              | HFD6, HFXD6                           |
|                                                                  |                   |                      |                                     | 400A              | SHJD6                                 |
|                                                                  |                   |                      |                                     | 600A              | SHLD6                                 |
|                                                                  |                   |                      | 200                                 | 125A              | CED6                                  |
|                                                                  |                   |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6                   |
|                                                                  |                   |                      |                                     | 400A              | SCJD6                                 |
|                                                                  |                   |                      |                                     | 600A              | SCLD6                                 |
|                                                                  |                   | Fused                | 50                                  | 800A              | 300V Class T-fuses                    |
|                                                                  |                   |                      | 100                                 | 600A              | 300V Class T-fuses                    |
|                                                                  |                   |                      | 200                                 | 400A              | 300V Class T-fuses                    |

# Specific Breaker Model Types

600A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage  | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type          |
|------------------------------------------------------------------|--------------------|----------------------|-------------------------------------|-------------------|-----------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 480V, 3-phase only | ABB                  | 20                                  | 1200A             | XT7L, XT7H, XT7S      |
|                                                                  |                    |                      | 25                                  | 125A              | XT2N                  |
|                                                                  |                    |                      |                                     | 250A              | T4N, XT4N             |
|                                                                  |                    |                      |                                     | 600A              | T5N                   |
|                                                                  |                    |                      | 35                                  | 100A              | T2S                   |
|                                                                  |                    |                      |                                     | 125A              | XT2S                  |
|                                                                  |                    |                      |                                     | 250A              | XT4S, T4S             |
|                                                                  |                    |                      |                                     | 600A              | T5S, XT5N             |
|                                                                  |                    |                      |                                     | 800A              | T6N, XT6H, XT6S, XT6N |
|                                                                  |                    |                      | 50                                  | 800A              | T6S, T6H, T6L, XT5S   |
|                                                                  |                    |                      | 65                                  | 100A              | T2H                   |
|                                                                  |                    |                      |                                     | 125A              | XT2H                  |
|                                                                  |                    |                      |                                     | 250A              | T4H, XT4H             |
|                                                                  |                    |                      |                                     | 600A              | T5H, XT5H             |
|                                                                  |                    |                      | 100                                 | 125A              | XT2L                  |
|                                                                  |                    |                      |                                     | 250A              | XT4L, T4L, T4V        |
|                                                                  |                    |                      |                                     | 600A              | T5L, XT5L             |
|                                                                  |                    |                      | 150                                 | 125A              | XT2V                  |
|                                                                  |                    |                      |                                     | 250A              | XT4V                  |
|                                                                  |                    |                      |                                     | 600A              | T5V, XT5V             |
|                                                                  |                    | General Electric     | 18                                  | 60A               | SED                   |
|                                                                  |                    |                      |                                     | 150A              | SED                   |
|                                                                  |                    |                      | 25                                  | 60A               | SEH                   |
|                                                                  |                    |                      |                                     | 150A              | SEH                   |
|                                                                  |                    |                      |                                     | 250A              | PEC                   |
|                                                                  |                    |                      | 35                                  | 250A              | SFH, PEC              |
|                                                                  |                    |                      |                                     | 600A              | SGH, PGE              |
|                                                                  |                    |                      | 65                                  | 60A               | SEL                   |
|                                                                  |                    |                      |                                     | 150A              | SEL                   |
|                                                                  |                    |                      |                                     | 250A              | SFL, PEN              |
|                                                                  |                    |                      |                                     | 600A              | SGL, SGP, PGN         |
|                                                                  |                    |                      | 100                                 | 60A               | SEP                   |
|                                                                  |                    |                      |                                     | 150A              | SEP                   |
|                                                                  |                    |                      |                                     | 250A              | SFP, PEH              |
|                                                                  |                    |                      |                                     | 600A              | PGH                   |
|                                                                  |                    |                      | 150                                 | 250A              | PEL                   |
|                                                                  |                    |                      |                                     | 600A              | PGL                   |
|                                                                  |                    |                      | 200                                 | 600A              | PGP                   |
|                                                                  |                    | Schneider            | 18                                  | 125A              | EDB, BD               |
|                                                                  |                    |                      |                                     | 150A              | HD                    |
|                                                                  |                    |                      |                                     | 250A              | JD                    |
|                                                                  |                    |                      |                                     | 600A              | LD                    |
|                                                                  |                    |                      | 30                                  | 125A              | EGB, EJB, BG, BJ      |
|                                                                  |                    |                      | 35                                  | 150A              | HG                    |
|                                                                  |                    |                      |                                     | 250A              | JG                    |
|                                                                  |                    |                      |                                     | 600A              | LG                    |
|                                                                  |                    |                      | 65                                  | 150A              | HJ                    |
|                                                                  |                    |                      |                                     | 250A              | JJ                    |
|                                                                  |                    |                      |                                     | 600A              | LJ                    |
|                                                                  |                    |                      | 100                                 | 150A              | HL                    |
|                                                                  |                    |                      |                                     | 250A              | JL                    |
|                                                                  |                    |                      |                                     | 600A              | LL                    |
|                                                                  |                    |                      | 200                                 | 150A              | HR                    |
|                                                                  |                    |                      |                                     | 250A              | JR                    |
|                                                                  |                    |                      |                                     | 600A              | LR                    |

Specific Breaker Model Types

600A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage        | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                            |
|---------------------------------------------------------|--------------------------|----------------------|-------------------------------------|-------------------|-----------------------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 480V, 3-phase only       | Eaton                | 35                                  | 125A              | EGS                                     |
|                                                         |                          |                      |                                     | 225A              | FD, FDE                                 |
|                                                         |                          |                      |                                     | 250A              | JDB, JD, JGS                            |
|                                                         |                          |                      |                                     | 400A              | KD, CKD                                 |
|                                                         |                          |                      |                                     | 600A              | LD, CLD                                 |
|                                                         |                          |                      | 50                                  | 600A              | LGS                                     |
|                                                         |                          |                      |                                     | 800A              | MDL, CMDL                               |
|                                                         |                          |                      | 65                                  | 125A              | EGH                                     |
|                                                         |                          |                      |                                     | 225A              | HFD, HFDE                               |
|                                                         |                          |                      |                                     | 250A              | JGH, HJD                                |
|                                                         |                          |                      |                                     | 400A              | HKD, CHKD                               |
|                                                         |                          |                      |                                     | 600A              | HLD, CHLD, LGH                          |
|                                                         |                          |                      |                                     | 800A              | HMDL, CHMDL                             |
|                                                         |                          |                      | 100                                 | 125A              | EGC                                     |
|                                                         |                          |                      |                                     | 225A              | FDC, FDCE                               |
|                                                         |                          |                      |                                     | 250A              | JGC, JDC                                |
|                                                         |                          |                      |                                     | 400A              | KDC                                     |
|                                                         |                          |                      | 150                                 | 600A              | LDC, CLDC, LGC                          |
|                                                         |                          |                      |                                     | 100A              | EGC                                     |
|                                                         |                          |                      |                                     | 250A              | JGU                                     |
|                                                         |                          |                      | 200                                 | 600A              | LGU                                     |
|                                                         |                          |                      |                                     | 250A              | JGX, JGH+CL                             |
|                                                         |                          |                      |                                     | 600A              | LGX                                     |
|                                                         |                          | Siemens              | 18                                  | 125A              | ED4                                     |
|                                                         |                          |                      | 25                                  | 125A              | ED6                                     |
|                                                         |                          |                      | 35                                  | 400A              | JD6A, JXD6A, SCJD6                      |
|                                                         |                          |                      |                                     | 600A              | LD6, LXD6, SCLD6                        |
|                                                         |                          |                      | 42                                  | 125A              | HED4                                    |
|                                                         |                          |                      |                                     | 125A              | HHED4                                   |
|                                                         |                          |                      |                                     | 400A              | HJD6A, HJXD6A, SHJD6                    |
|                                                         |                          |                      | 65                                  | 600A              | HLD6, HLXD6, SCLD6                      |
|                                                         |                          |                      |                                     | 250A              | HHFD6, HHFXD6, HFD6, HFXD6, FD6A, FXD6A |
|                                                         |                          |                      |                                     | 400A              | HHJD6A, HHJXD6A                         |
|                                                         |                          |                      |                                     | 600A              | HHLD6, HHLXD6                           |
|                                                         |                          |                      | 100                                 | 400A              | CJD6-A, SCJD6                           |
|                                                         |                          |                      |                                     | 600A              | CLD6, SCLD6                             |
|                                                         |                          |                      | 150                                 | 125A              | CED6                                    |
|                                                         |                          |                      |                                     | 250A              | CFD6                                    |
|                                                         |                          | Fused                | 100                                 | 600A              | Class RK5 fuses                         |
|                                                         |                          |                      |                                     | 400A              | Class RK5 fuses                         |
|                                                         |                          |                      | 200                                 | 800A              | Class J & T fuses                       |
|                                                         |                          |                      |                                     | 800A              | CLASS L Fuses                           |
|                                                         | 480V, 3 and 1-phase only | ABB                  | 25                                  | 125A              | XT2N                                    |
|                                                         |                          |                      |                                     | 250A              | T4N, XT4N                               |
|                                                         |                          |                      |                                     | 600A              | T5N                                     |
|                                                         |                          |                      | 35                                  | 100A              | T2S                                     |
|                                                         |                          |                      |                                     | 125A              | XT2S                                    |
|                                                         |                          |                      |                                     | 250A              | XT4S, T4S                               |
|                                                         |                          |                      |                                     | 600A              | T5S, XT5N                               |
|                                                         |                          |                      | 50                                  | 600A              | T5V, T5L, T5H, XT5S                     |
|                                                         |                          |                      | 65                                  | 100A              | T2H                                     |
|                                                         |                          |                      |                                     | 125A              | XT2H                                    |
|                                                         |                          |                      |                                     | 250A              | T4H, XT4H                               |
|                                                         |                          |                      |                                     | 600A              | XT5H                                    |
|                                                         |                          |                      | 100                                 | 125A              | XT2L                                    |
|                                                         |                          |                      |                                     | 250A              | XT4L, T4L, T4V                          |
|                                                         |                          |                      |                                     | 600A              | XT5L, XT5V                              |
|                                                         |                          |                      | 150                                 | 125A              | XT2V                                    |
|                                                         |                          |                      |                                     | 250A              | XT4V                                    |



# Specific Breaker Model Types

600A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage        | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                                             |
|------------------------------------------------------------------|--------------------------|----------------------|-------------------------------------|-------------------|----------------------------------------------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 480V, 3 and 1-phase only | General Electric     | 18                                  | 60A               | SED                                                      |
|                                                                  |                          |                      |                                     | 150A              | SED                                                      |
|                                                                  |                          |                      | 25                                  | 60A               | SEH                                                      |
|                                                                  |                          |                      |                                     | 150A              | SEH                                                      |
|                                                                  |                          |                      |                                     | 250A              | PEC                                                      |
|                                                                  |                          |                      | 35                                  | 250A              | SFH, PEE                                                 |
|                                                                  |                          |                      |                                     | 600A              | SGH, PGE                                                 |
|                                                                  |                          |                      | 50                                  | 600A              | SGP, SGL, PGN, PGH, PGL, PGP                             |
|                                                                  |                          |                      | 65                                  | 60A               | SEL                                                      |
|                                                                  |                          |                      |                                     | 150A              | SEL                                                      |
|                                                                  |                          |                      |                                     | 250A              | SFL, PEN                                                 |
|                                                                  |                          |                      | 85                                  | 250A              | SFP                                                      |
|                                                                  |                          |                      | 100                                 | 60A               | SEP                                                      |
|                                                                  |                          |                      |                                     | 150A              | SEP                                                      |
|                                                                  |                          |                      |                                     | 250A              | PEH                                                      |
|                                                                  |                          |                      | 150                                 | 250A              | PEL                                                      |
|                                                                  |                          | Schneider            | 18                                  | 125A              | EDB, BD                                                  |
|                                                                  |                          |                      |                                     | 150A              | HD                                                       |
|                                                                  |                          |                      |                                     | 250A              | JD                                                       |
|                                                                  |                          |                      |                                     | 600A              | LD                                                       |
|                                                                  |                          |                      | 30                                  | 125A              | EGB, BG, BJ, EJB                                         |
|                                                                  |                          |                      | 35                                  | 150A              | HG                                                       |
|                                                                  |                          |                      |                                     | 250A              | JG                                                       |
|                                                                  |                          |                      |                                     | 600A              | LG                                                       |
|                                                                  |                          |                      | 50                                  | 600A              | LR, LL, LJ                                               |
|                                                                  |                          |                      | 65                                  | 150A              | HJ                                                       |
|                                                                  |                          |                      |                                     | 250A              | JJ                                                       |
|                                                                  |                          |                      | 100                                 | 150A              | HL                                                       |
|                                                                  |                          |                      |                                     | 250A              | JL                                                       |
|                                                                  |                          |                      | 200                                 | 150A              | HR                                                       |
|                                                                  |                          |                      |                                     | 250A              | JR                                                       |
|                                                                  |                          | Eaton                | 35                                  | 125A              | EGS                                                      |
|                                                                  |                          |                      |                                     | 225A              | FD, FDE                                                  |
|                                                                  |                          |                      |                                     | 250A              | JDB, JD, JGS                                             |
|                                                                  |                          |                      |                                     | 400A              | KD, CKD                                                  |
|                                                                  |                          |                      | 50                                  | 600A              | LD, CLD, HLD, CHLD, LDC, CLDC                            |
|                                                                  |                          |                      |                                     | 400A              | HKD, CHKD, KDC                                           |
|                                                                  |                          |                      |                                     | 600A              | LGX, LGU, LGC, LGH, LGS                                  |
|                                                                  |                          |                      | 65                                  | 125A              | EGH                                                      |
|                                                                  |                          |                      |                                     | 225A              | HFD, HFDE                                                |
|                                                                  |                          |                      |                                     | 250A              | JGH, HJD                                                 |
|                                                                  |                          |                      | 100                                 | 125A              | EGC                                                      |
|                                                                  |                          |                      |                                     | 225A              | FDC, FDCE                                                |
|                                                                  |                          |                      |                                     | 250A              | JGC, JGH, JDC                                            |
|                                                                  |                          |                      | 150                                 | 100A              | EGC                                                      |
|                                                                  |                          |                      |                                     | 250A              | JGU                                                      |
|                                                                  |                          |                      | 200                                 | 250A              | JGX                                                      |
|                                                                  |                          | Siemens              | 18                                  | 125A              | ED4                                                      |
|                                                                  |                          |                      | 25                                  | 125A              | ED6                                                      |
|                                                                  |                          |                      | 35                                  | 400A              | CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, JD6A, JXD6A, SJD6 |
|                                                                  |                          |                      |                                     | 600A              | CLD6, HHLD6, HHLXD6, HLD6, HLXD6, LD6, LXD6, SCLD6       |
|                                                                  |                          |                      | 42                                  | 125A              | HED4                                                     |
|                                                                  |                          |                      | 65                                  | 125A              | HHED4                                                    |
|                                                                  |                          |                      |                                     | 400A              | SCJD6, SHJD6                                             |
|                                                                  |                          |                      |                                     | 600A              | SCLD6                                                    |
|                                                                  |                          |                      | 100                                 | 250A              | CFD6, HHFD6, HHFXD6, HFD6, HFXD6, FD6A, FXD6A            |
|                                                                  |                          |                      | 200                                 | 125A              | CED6                                                     |
|                                                                  |                          | Fused                | 100                                 | 200A              | Class RK5 fuses                                          |
|                                                                  |                          |                      |                                     | 600A              | Class J & T Fuses                                        |
|                                                                  |                          |                      | 200                                 | 100A              | Class RK5 fuses                                          |
|                                                                  |                          |                      |                                     | 200A              | Class J & T Fuses                                        |
|                                                                  |                          |                      |                                     | 400A              | Class J & T Fuses                                        |



## Specific Breaker Model Types

600A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                          | Max Rated Voltage  | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type         |
|------------------------------------------------------------------|--------------------|----------------------|-------------------------------------|-------------------|----------------------|
| ZTX<br>(ZXO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V, 3-phase only | ABB                  | 18                                  | 60A               | SED                  |
|                                                                  |                    |                      |                                     | 150A              | SED                  |
|                                                                  |                    |                      | 20                                  | 1200A             | XT7L, XT7H, XT7S     |
|                                                                  |                    |                      | 25                                  | 125A              | BD                   |
|                                                                  |                    |                      |                                     | 150A              | HD                   |
|                                                                  |                    |                      |                                     | 250A              | JD                   |
|                                                                  |                    |                      |                                     | 600A              | LD                   |
|                                                                  |                    |                      | 35                                  | 800A              | XT6H, XT6S, XT6N     |
|                                                                  |                    |                      | 50                                  | 800A              | T6L, T6H, T6S, T6N   |
|                                                                  |                    |                      | 65                                  | 100A              | T2S                  |
|                                                                  |                    |                      |                                     | 125A              | XT2N                 |
|                                                                  |                    |                      |                                     | 250A              | T4N, XT4N            |
|                                                                  |                    |                      |                                     | 600A              | T5N, XT5N            |
|                                                                  |                    |                      | 100                                 | 125A              | XT2S                 |
|                                                                  |                    |                      |                                     | 250A              | T4S, XT4S            |
|                                                                  |                    |                      |                                     | 600A              | T5S, XT5S            |
|                                                                  |                    |                      | 150                                 | 100A              | T2H                  |
|                                                                  |                    |                      |                                     | 125A              | XT2H                 |
|                                                                  |                    |                      |                                     | 250A              | T4H, XT4H            |
|                                                                  |                    |                      |                                     | 600A              | T5H, XT5H            |
|                                                                  |                    |                      | 200                                 | 125A              | XT2V, XT2L           |
|                                                                  |                    |                      |                                     | 250A              | T4V, T4L, XT4V, XT4L |
|                                                                  |                    |                      |                                     | 600A              | T5V, T5L, XT5V, XT5L |
|                                                                  |                    | General Electric     | 18                                  | 60A               | SED                  |
|                                                                  |                    |                      |                                     | 150A              | SED                  |
|                                                                  |                    |                      | 42                                  | 250A              | PEC                  |
|                                                                  |                    |                      | 65                                  | 60A               | SEH                  |
|                                                                  |                    |                      |                                     | 150A              | SEH                  |
|                                                                  |                    |                      |                                     | 250A              | SFH, PEE             |
|                                                                  |                    |                      |                                     | 600A              | SGH, PGE             |
|                                                                  |                    |                      | 100                                 | 60A               | SEL                  |
|                                                                  |                    |                      |                                     | 150A              | SEL                  |
|                                                                  |                    |                      |                                     | 250A              | SFL, PEN             |
|                                                                  |                    |                      |                                     | 600A              | SGL, PGN             |
|                                                                  |                    |                      | 150                                 | 250A              | PEH                  |
|                                                                  |                    |                      |                                     | 600A              | PGH                  |
|                                                                  |                    |                      | 200                                 | 60A               | SEP                  |
|                                                                  |                    |                      |                                     | 150A              | SEP                  |
|                                                                  |                    |                      |                                     | 250A              | SFP, PEL             |
|                                                                  |                    |                      |                                     | 600A              | SGP, PGL, PGP        |
|                                                                  |                    | Schneider            | 25                                  | 125A              | BD                   |
|                                                                  |                    |                      |                                     | 150A              | HD                   |
|                                                                  |                    |                      |                                     | 250A              | JD                   |
|                                                                  |                    |                      |                                     | 600A              | LD                   |
|                                                                  |                    |                      | 65                                  | 125A              | BG                   |
|                                                                  |                    |                      |                                     | 150A              | HG                   |
|                                                                  |                    |                      |                                     | 250A              | JG                   |
|                                                                  |                    |                      |                                     | 600A              | LG                   |
|                                                                  |                    |                      | 100                                 | 125A              | BJ                   |
|                                                                  |                    |                      |                                     | 150A              | HJ                   |
|                                                                  |                    |                      |                                     | 250A              | JJ                   |
|                                                                  |                    |                      |                                     | 600A              | LL, LJ               |
|                                                                  |                    |                      | 125                                 | 150A              | HL                   |
|                                                                  |                    |                      |                                     | 250A              | JL                   |
|                                                                  |                    |                      |                                     | 150A              | HR                   |
|                                                                  |                    |                      | 200                                 | 250A              | JR                   |
|                                                                  |                    |                      |                                     | 600A              | LR                   |



## Specific Breaker Model Types

600A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage        | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                  |
|---------------------------------------------------------|--------------------------|----------------------|-------------------------------------|-------------------|-------------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 240V, 3-phase only       | Eaton                | 65                                  | 225A              | FD, FDE                       |
|                                                         |                          |                      |                                     | 250A              | JD, JDB                       |
|                                                         |                          |                      |                                     | 400A              | KD, CKD                       |
|                                                         |                          |                      |                                     | 600A              | LD, CLD                       |
|                                                         |                          |                      |                                     | 800A              | HMDL, CHMDL, MDL, CMDL        |
|                                                         |                          |                      | 85                                  | 125A              | EGS                           |
|                                                         |                          |                      |                                     | 250A              | JGS                           |
|                                                         |                          |                      |                                     | 600A              | LGS                           |
|                                                         |                          |                      | 100                                 | 125A              | EGH                           |
|                                                         |                          |                      |                                     | 225A              | HFD, HFDE                     |
|                                                         |                          |                      |                                     | 250A              | HJD, JGH                      |
|                                                         |                          |                      |                                     | 400A              | HKD, CHKD                     |
|                                                         |                          |                      |                                     | 600A              | LGH, HLD, CHLD                |
|                                                         |                          |                      | 200                                 | 125A              | EGC                           |
|                                                         |                          |                      |                                     | 225A              | FDC, FDCE, JDC                |
|                                                         |                          |                      |                                     | 250A              | JGX, JGU, JGC                 |
|                                                         |                          |                      |                                     | 400A              | KDC                           |
|                                                         |                          |                      |                                     | 600A              | LGX, LGU, LGC, LDC, CLDC      |
|                                                         |                          | Siemens              | 65                                  | 125A              | ED6, ED4                      |
|                                                         |                          |                      |                                     | 250A              | FD6A, FXD6A                   |
|                                                         |                          |                      |                                     | 400A              | JD6A, JXD6A, SJD6             |
|                                                         |                          |                      |                                     | 600A              | LD6, LXD6, SLD6               |
|                                                         |                          |                      | 100                                 | 125A              | HHED4, HED4                   |
|                                                         |                          |                      |                                     | 250A              | HFD6, HFXD6                   |
|                                                         |                          |                      |                                     | 400A              | HJD6A, HJXD6A, SHJD6          |
|                                                         |                          |                      |                                     | 600A              | HLD6, HLXD6, SHLD6            |
|                                                         |                          |                      | 200                                 | 125A              | CED6                          |
|                                                         |                          |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6           |
|                                                         |                          |                      |                                     | 400A              | CJD6A, HHJD6A, HHJXD6A, SCJD6 |
|                                                         |                          |                      |                                     | 600A              | CLD6, HHL6, HHLXD6, SCLD6     |
|                                                         |                          | Fused                | 200                                 | 800A              | 300V Class T-fuses            |
|                                                         | 240V, 3 and 1-phase only | ABB                  | 65                                  | 100A              | T2S                           |
|                                                         |                          |                      |                                     | 125A              | XT2N                          |
|                                                         |                          |                      |                                     | 250A              | T4N, XT4N                     |
|                                                         |                          |                      |                                     | 600A              | XT5N                          |
|                                                         |                          |                      | 100                                 | 125A              | XT2S                          |
|                                                         |                          |                      |                                     | 250A              | T4S, XT4S                     |
|                                                         |                          |                      |                                     | 600A              | XT5S                          |
|                                                         |                          |                      | 150                                 | 100A              | T2H                           |
|                                                         |                          |                      |                                     | 125A              | XT2H                          |
|                                                         |                          |                      |                                     | 250A              | T4H, XT4H                     |
|                                                         |                          |                      |                                     | 600A              | XT5H                          |
|                                                         |                          |                      | 200                                 | 125A              | XT2V, XT2L                    |
|                                                         |                          |                      |                                     | 250A              | T4V, T4L, XT4V, XT4L          |
|                                                         |                          |                      |                                     | 600A              | XT5V, XT5L                    |
|                                                         |                          | General Electric     | 18                                  | 60A               | SED                           |
|                                                         |                          |                      |                                     | 150A              | SED                           |
|                                                         |                          |                      | 42                                  | 250A              | PEC                           |
|                                                         |                          |                      | 50                                  | 600A              | SGP, SGL, SGH                 |
|                                                         |                          |                      | 65                                  | 60A               | SEH                           |
|                                                         |                          |                      |                                     | 150A              | SEH                           |
|                                                         |                          |                      |                                     | 250A              | SFH, PEE                      |
|                                                         |                          |                      |                                     | 600A              | PGE                           |
|                                                         |                          |                      | 100                                 | 60A               | SEL                           |
|                                                         |                          |                      |                                     | 150A              | SEL                           |
|                                                         |                          |                      |                                     | 250A              | SFP, SFL, PEN                 |
|                                                         |                          |                      |                                     | 600A              | PGN, PGH, PGL, PGP            |
|                                                         |                          |                      | 150                                 | 250A              | PEH                           |
|                                                         |                          |                      | 200                                 | 60A               | SEP                           |
|                                                         |                          |                      |                                     | 150A              | SEP                           |
|                                                         |                          |                      |                                     | 250A              | PEL                           |



# Specific Breaker Model Types

600A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage        | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type                          |
|---------------------------------------------------------|--------------------------|----------------------|-------------------------------------|-------------------|---------------------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 240V, 3 and 1-phase only | Schneider            | 25                                  | 125A              | BD                                    |
|                                                         |                          |                      |                                     | 150A              | HD                                    |
|                                                         |                          |                      |                                     | 250A              | JD                                    |
|                                                         |                          |                      |                                     | 600A              | LD                                    |
|                                                         |                          |                      | 65                                  | 125A              | BG                                    |
|                                                         |                          |                      |                                     | 150A              | HG                                    |
|                                                         |                          |                      |                                     | 250A              | JG                                    |
|                                                         |                          |                      |                                     | 600A              | LG                                    |
|                                                         |                          |                      | 100                                 | 125A              | BJ                                    |
|                                                         |                          |                      |                                     | 150A              | HJ                                    |
|                                                         |                          |                      |                                     | 250A              | JJ                                    |
|                                                         |                          |                      |                                     | 600A              | LR, LL, LJ                            |
|                                                         |                          |                      | 125                                 | 150A              | HL                                    |
|                                                         |                          |                      |                                     | 250A              | JL                                    |
|                                                         |                          |                      | 200                                 | 150A              | HR                                    |
|                                                         |                          |                      |                                     | 250A              | JR                                    |
|                                                         |                          | Eaton                | 42                                  | 600A              | LDC, CLDC, HLD, CHLD, LD, CLD         |
|                                                         |                          |                      | 65                                  | 225A              | FD, FDE                               |
|                                                         |                          |                      |                                     | 250A              | JD, JDB                               |
|                                                         |                          |                      |                                     | 400A              | KDC, HKD, CHKD, KD, CKD               |
|                                                         |                          |                      | 85                                  | 125A              | EGS                                   |
|                                                         |                          |                      |                                     | 250A              | JGS                                   |
|                                                         |                          |                      |                                     | 600A              | LGS                                   |
|                                                         |                          |                      | 100                                 | 125A              | EGH                                   |
|                                                         |                          |                      |                                     | 225A              | HFD, HFDE                             |
|                                                         |                          |                      |                                     | 250A              | JGH, JDC, HJD                         |
|                                                         |                          |                      |                                     | 600A              | LGX, LGU, LGC, LGH                    |
|                                                         |                          |                      | 200                                 | 125A              | EGC                                   |
|                                                         |                          |                      |                                     | 225A              | FDC, FDCE                             |
|                                                         |                          |                      |                                     | 250A              | JGX, JGU, JGC                         |
|                                                         |                          | Siemens              | 65                                  | 125A              | ED6, ED4                              |
|                                                         |                          |                      |                                     | 250A              | FD6A, FXD6A                           |
|                                                         |                          |                      |                                     | 400A              | JD6A, JXD6A, SJD6                     |
|                                                         |                          |                      |                                     | 600A              | LD6, LXD6, SLD6                       |
|                                                         |                          |                      | 85                                  | 400A              | CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A |
|                                                         |                          |                      |                                     | 600A              | CLD6, HHLD6, HHLXD6, HLD6, HLXD6      |
|                                                         |                          |                      | 100                                 | 125A              | HHED4, HED4                           |
|                                                         |                          |                      |                                     | 250A              | HFD6, HFXD6                           |
|                                                         |                          |                      |                                     | 400A              | SHJD6                                 |
|                                                         |                          |                      |                                     | 600A              | SHLD6                                 |
|                                                         |                          |                      | 200                                 | 125A              | CED6                                  |
|                                                         |                          |                      |                                     | 250A              | CFD6, HHFD6, HHFXD6                   |
|                                                         |                          |                      |                                     | 400A              | SCJD6                                 |
|                                                         |                          |                      |                                     | 600A              | SCLD6                                 |
|                                                         |                          | Fused                | 50                                  | 800A              | 300V Class T-fuses                    |
|                                                         |                          |                      | 100                                 | 600A              | 300V Class T-fuses                    |
|                                                         |                          |                      | 200                                 | 400A              | 300V Class T-fuses                    |



# Specific Breaker Model Types

800-1200A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type           |
|---------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 480V, 3 Phase     | ABB                  | 50                                  | 600               | XT5S                   |
|                                                         |                   |                      |                                     | 800               | T6S, XT6S              |
|                                                         |                   |                      |                                     | 1200              | T7S, XT7S              |
|                                                         |                   |                      | 65                                  | 600               | T5H, XT5H              |
|                                                         |                   |                      |                                     | 800               | T6H, XT6H              |
|                                                         |                   |                      |                                     | 1200              | T7H, XT7L, XT7H        |
|                                                         |                   |                      | 85                                  | 800               | T6L                    |
|                                                         |                   |                      |                                     | 1200              | T7L                    |
|                                                         |                   |                      | 100                                 | 600               | T5L, XT5L              |
|                                                         |                   |                      |                                     | 1200              | XT7L                   |
|                                                         |                   |                      | 150                                 | 600               | T5V, XT5V              |
|                                                         |                   |                      |                                     |                   |                        |
|                                                         |                   | General Electric     | 50                                  | 1200              | SKH                    |
|                                                         |                   |                      | 65                                  | 600               | SGL                    |
|                                                         |                   |                      |                                     | 1200              | SKP, SKL               |
|                                                         |                   |                      | 100                                 | 600               | SGP                    |
|                                                         |                   | Schneider            | 50                                  | 1200              | PK, RL, RJ, RK         |
|                                                         |                   |                      | 65                                  | 600               | LJ                     |
|                                                         |                   |                      |                                     | 800               | MJ                     |
|                                                         |                   |                      |                                     | 1200              | PL, PJ                 |
|                                                         |                   |                      | 100                                 | 600               | LL                     |
|                                                         |                   |                      |                                     | 200               | LR                     |
|                                                         |                   | Eaton                | 50                                  | 600               | LGS                    |
|                                                         |                   |                      |                                     | 800               | MDL, CMDL              |
|                                                         |                   |                      |                                     | 1200              | NGS, ND, CND           |
|                                                         |                   |                      | 65                                  | 400               | HKD, CHKD              |
|                                                         |                   |                      |                                     | 600               | LGH, HLD, CHLD         |
|                                                         |                   |                      |                                     | 800               | HMDL, CHMDL            |
|                                                         |                   |                      |                                     | 1200              | NGH, HND, CHND         |
|                                                         |                   |                      |                                     | 1600              | RGH                    |
|                                                         |                   |                      | 100                                 | 400               | KDC                    |
|                                                         |                   |                      |                                     | 600               | LGC, LDC, CLDC         |
|                                                         |                   |                      | 150                                 | 600               | LGU                    |
|                                                         |                   |                      |                                     | 200               | LGX                    |
|                                                         |                   | Siemens              | 50                                  | 800               | MD6, MXD6, LMD6, LMXD6 |
|                                                         |                   |                      |                                     | 1200              | ND6, NXD6              |
|                                                         |                   |                      |                                     | 1600              | PD6, PXD6              |
|                                                         |                   |                      | 65                                  | 400               | HJD6, HJXD6, SHJD6     |
|                                                         |                   |                      |                                     | 600               | HLD6, HLXD6, SCLD6     |
|                                                         |                   |                      |                                     | 800               | HMD6, HMXD6            |
|                                                         |                   |                      |                                     | 1200              | HND6, HNXD6            |
|                                                         |                   |                      |                                     | 1600              | CPD6, HPD6, HPXD6      |
|                                                         |                   |                      | 100                                 | 800               | CMD6                   |
|                                                         |                   |                      |                                     | 1200              | CND6                   |
|                                                         |                   |                      | 150                                 | 400               | CJD6, SCJD6            |
|                                                         |                   |                      |                                     | 600               | CLD6, SCLD6            |
|                                                         |                   | Fused                | 100                                 | 2000              | CLASS L fuses          |
|                                                         |                   |                      | 200                                 | 600               | CLASS RK5 fuses        |
|                                                         |                   |                      |                                     | 800               | CLASS J & T fuses      |
|                                                         |                   |                      |                                     | 1200              | CLASS L fuses          |

Specific Breaker Model Types

800-1200A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                           | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type             |
|-------------------------------------------------------------------|-------------------|----------------------|-------------------------------------|-------------------|--------------------------|
| ZTX<br>(Z XO)<br><br>ZTG<br>(ZGO, ZGD)<br><br>ZTS<br>(ZSAO, ZSAD) | 240V, 3 Phase     | ABB                  | 65                                  | 600               | T5N, XT5N                |
|                                                                   |                   |                      |                                     | 800               | XT6N                     |
|                                                                   |                   |                      |                                     | 1200              | XT7L, XT7H, XT7S         |
|                                                                   |                   |                      | 85                                  | 800               | T6L, T6H, T6S            |
|                                                                   |                   |                      |                                     | 1200              | T7L, T7H                 |
|                                                                   |                   |                      | 100                                 | 600               | T5S, XT5S                |
|                                                                   |                   |                      |                                     | 800               | XT6S                     |
|                                                                   |                   |                      |                                     | 1200              | XT7L, XT7H               |
|                                                                   |                   |                      | 150                                 | 600               | T5H, XT5H                |
|                                                                   |                   |                      |                                     | 600               | T5V, T5L, XT5V, XT5L     |
|                                                                   |                   |                      | 200                                 | 800               | XT6H                     |
|                                                                   |                   |                      |                                     | 600               | SGH                      |
|                                                                   |                   | General Electric     | 65                                  | 1200              | SKH                      |
|                                                                   |                   |                      |                                     | 600               | SGL                      |
|                                                                   |                   |                      | 100                                 | 1200              | SKP, SKL                 |
|                                                                   |                   | Schneider            | 200                                 | 600               | SGP                      |
|                                                                   |                   |                      |                                     | 50                | RL, RJ, RK               |
|                                                                   |                   |                      | 65                                  | 1200              | LG                       |
|                                                                   |                   |                      |                                     | 600               | MJ, MG                   |
|                                                                   |                   |                      |                                     | 1200              | PL, PJ, PK               |
|                                                                   |                   |                      | 100                                 | 600               | LJ                       |
|                                                                   |                   |                      | 125                                 | 600               | LL                       |
|                                                                   |                   |                      | 200                                 | 600               | LR                       |
|                                                                   |                   | Eaton                | 50                                  | 1200              | NGS                      |
|                                                                   |                   |                      |                                     | 400               | KD, CKD                  |
|                                                                   |                   |                      |                                     | 600               | LD, CLD                  |
|                                                                   |                   |                      | 65                                  | 800               | HMDL, CHMDL, MDL, CMDL   |
|                                                                   |                   |                      |                                     | 1200              | NGH, HND, CHND, ND, CND  |
|                                                                   |                   |                      |                                     | 1600              | RGH                      |
|                                                                   |                   |                      | 85                                  | 600               | LGS                      |
|                                                                   |                   |                      | 100                                 | 400               | HKD, CHKD                |
|                                                                   |                   |                      |                                     | 600               | LGH, HLD, CHLD           |
|                                                                   |                   |                      |                                     | 400               | KDC                      |
|                                                                   |                   |                      | 200                                 | 600               | LGX, LGU, LGC, LDC, CLDC |
|                                                                   |                   |                      |                                     | 400               | JD6, JXD6, SJD6          |
|                                                                   |                   | Siemens              | 65                                  | 600               | LD6, LXD6, SLD6          |
|                                                                   |                   |                      |                                     | 800               | MD6, MXD6, LMD6, LMXD6   |
|                                                                   |                   |                      |                                     | 1200              | HND6, NXD6               |
|                                                                   |                   |                      |                                     | 1600              | PD6, PXD6                |
|                                                                   |                   |                      |                                     | 400               | HJD6, HJXD6, SHJD6       |
|                                                                   |                   |                      | 100                                 | 600               | HLD6, HLXD6, SHLD6       |
|                                                                   |                   |                      |                                     | 800               | HMD6, HMXD6              |
|                                                                   |                   |                      |                                     | 1200              | HND6, HNXD6              |
|                                                                   |                   |                      |                                     | 1600              | HPD6, HPXD6              |
|                                                                   |                   |                      |                                     | 400               | CJD6, SCJD6              |
|                                                                   |                   |                      | 200                                 | 600               | CLD6, SCLD6              |
|                                                                   |                   |                      |                                     | 800               | CMD6                     |
|                                                                   |                   |                      |                                     | 1200              | CND6                     |
|                                                                   |                   |                      |                                     | 1600              | CPD6                     |
|                                                                   |                   |                      |                                     | 800               | CLASS T fuses            |
|                                                                   |                   | Fused                | 200                                 | 800               | CLASS T fuses            |



# Specific Breaker Model Types

800-1200A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage  | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type           |
|---------------------------------------------------------|--------------------|----------------------|-------------------------------------|-------------------|------------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 480V, 1-phase only | ABB                  | 25                                  | 600               | T5N                    |
|                                                         |                    |                      | 35                                  | 600               | T5S, XT5N              |
|                                                         |                    |                      |                                     | 800               | XT6N                   |
|                                                         |                    |                      |                                     | 600               | XT5S                   |
|                                                         |                    |                      | 50                                  | 800               | XT6S                   |
|                                                         |                    |                      |                                     | 1200              | XT7L, XT7H, XT7H, XT7S |
|                                                         |                    |                      |                                     | 600               | T5H, XT5H              |
|                                                         |                    |                      | 65                                  | 800               | XT6H                   |
|                                                         |                    |                      |                                     | 600               | T5L, XT5L              |
|                                                         |                    |                      |                                     | 600               | T5V, XT5V              |
|                                                         |                    | General Electric     | 35                                  | 600               | SGH                    |
|                                                         |                    |                      | 50                                  | 1200              | SKH, SKL, SKP          |
|                                                         |                    |                      | 65                                  | 600               | SGL                    |
|                                                         |                    |                      | 100                                 | 600               | SGP                    |

800-1200A 3 or 4 pole Zenith T-series transfer switches

| ABB Zenith Model Family                                 | Max Rated Voltage  | Breaker Manufacturer | Max Coordinated Breaker Rating (kA) | Max. Breaker Amp. | Breaker Type         |
|---------------------------------------------------------|--------------------|----------------------|-------------------------------------|-------------------|----------------------|
| ZTX (ZXO)<br><br>ZTG (ZGO, ZGD)<br><br>ZTS (ZSAO, ZSAD) | 240V, 1-phase only | ABB                  | 50                                  | 1200              | XT7S, XT7H, XT7L     |
|                                                         |                    |                      | 65                                  | 600               | T5N, XT5N            |
|                                                         |                    |                      |                                     | 800               | XT6N                 |
|                                                         |                    |                      | 100                                 | 600               | T5S, XT5S            |
|                                                         |                    |                      |                                     | 800               | XT6S                 |
|                                                         |                    |                      | 150                                 | 600               | T5H, XT5H            |
|                                                         |                    |                      | 200                                 | 600               | T5V, T5L, XT5V, XT5L |
|                                                         |                    |                      |                                     | 800               | XT6H                 |
|                                                         |                    | General Electric     | 50                                  | 1200              | SKH, SKL, SKP        |
|                                                         |                    |                      | 65                                  | 600               | SGH                  |
|                                                         |                    |                      | 100                                 | 600               | SGL                  |
|                                                         |                    |                      | 200                                 | 600               | SGP                  |

Specific Breaker Model Types

100-1200A 3 or 4 pole Zenith T-Series transfer switches

| ABB Zenith Model Family | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA)<br>RMS SYMM AMPS x 1000 | Max. Breaker Amp. | Breaker Type       |
|-------------------------|-------------------|----------------------|-------------------------------------------------------------|-------------------|--------------------|
| ZBTS<br>(ZSBO, ZSBD)    | 480V 3-phase ONLY | ABB                  | 65                                                          | 600               | T5H, XT5H          |
|                         |                   |                      |                                                             | 800               | T6H, XT6H          |
|                         |                   |                      |                                                             | 1200              | T7H, XT7L, XT7H    |
|                         |                   |                      | 100                                                         | 600               | T5L, XT5L          |
|                         |                   |                      |                                                             | 1200              | XT7L               |
|                         |                   |                      | 150                                                         | 600               | T5V, XT5V          |
|                         |                   | GENERAL ELECTRIC     | 65                                                          | 600               | SGL                |
|                         |                   |                      |                                                             | 1200              | SKP, SKL           |
|                         |                   |                      | 100                                                         | 600               | SGP                |
|                         |                   | EATON                | 65                                                          | 600               | LGH, HLD, CHLD     |
|                         |                   |                      |                                                             | 800               | HMDL, CHMDL        |
|                         |                   |                      |                                                             | 1200              | NGH, HND, CHND     |
|                         |                   |                      |                                                             | 1600              | RGH                |
|                         |                   |                      | 100                                                         | 600               | LGC, LDC, CLDC     |
|                         |                   | SCHNEIDER            | 65                                                          | 600               | LJ                 |
|                         |                   |                      |                                                             | 800               | MJ                 |
|                         |                   |                      |                                                             | 1200              | PL, PJ             |
|                         |                   |                      | 100                                                         | 600               | LL                 |
|                         |                   | SIEMENS              | 65                                                          | 600               | HLD6, HLXD6, SCLD6 |
|                         |                   |                      |                                                             | 800               | HMD6, HMXD6        |
|                         |                   |                      |                                                             | 1200              | HND6, HNXD6        |
|                         |                   |                      |                                                             | 1600              | CPD6, HPD6, HPXD6  |
|                         |                   |                      | 100                                                         | 800               | CMD6               |
|                         |                   |                      |                                                             | 1200              | CND6               |
|                         |                   | FUSED                | 100                                                         | 2000              | CLASS L fuses      |
|                         |                   |                      |                                                             | 600               | CLASS RK5 fuses    |
|                         |                   |                      | 200                                                         | 800               | CLASS J & T fuses  |
|                         |                   |                      |                                                             | 1200              | CLASS L fuses      |



# Specific Breaker Model Types

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100-1200A 3 or 4 pole Zenith T-Series transfer switches

| ABB Zenith Model Family | Max Rated Voltage | Breaker Manufacturer | Max Coordinated Breaker Rating (kA)<br>RMS SYMM AMPS x 1000 | Max. Breaker Amp. | Breaker Type            |  |
|-------------------------|-------------------|----------------------|-------------------------------------------------------------|-------------------|-------------------------|--|
| ZBTS (ZSBO, ZSBD)       | 240V 3-phase ONLY | ABB                  | 65                                                          | 600               | T5N, XT5N               |  |
|                         |                   |                      |                                                             | 800               | T6N, XT6N               |  |
|                         |                   |                      |                                                             | 1200              | XT7S, T7S               |  |
|                         |                   |                      | 100                                                         | 600               | T5S, XT5S               |  |
|                         |                   |                      |                                                             | 800               | XT6S                    |  |
|                         |                   |                      |                                                             | 1200              | XT7L, XT7H              |  |
|                         |                   |                      | 150                                                         | 600               | T5H, XT5H               |  |
|                         |                   |                      | 200                                                         | 600               | T5V, T5L, XT5V, XT5L    |  |
|                         |                   |                      |                                                             | 800               | XT6H                    |  |
|                         |                   | GENERAL ELECTRIC     | 65                                                          | 600               | SGH                     |  |
|                         |                   |                      |                                                             | 1200              | SKH                     |  |
|                         |                   |                      | 100                                                         | 600               | SGL                     |  |
|                         |                   |                      |                                                             | 1200              | SKP, SKL                |  |
|                         |                   | EATON                | 65                                                          | 600               | LD, CLD                 |  |
|                         |                   |                      |                                                             | 800               | HMDL, CHMDL, MDL, CMDL  |  |
|                         |                   |                      |                                                             | 1200              | NGH, HND, CHND, ND, CND |  |
|                         |                   |                      | 85                                                          | 600               | LGS                     |  |
|                         |                   |                      | 100                                                         | 600               | LGH, HLD, CHLD          |  |
|                         |                   | SCHNEIDER            | 65                                                          | 600               | LG                      |  |
|                         |                   |                      |                                                             | 800               | MJ, MG                  |  |
|                         |                   |                      |                                                             | 1200              | PL, PJ, PK              |  |
|                         |                   |                      | 100                                                         | 600               | LJ                      |  |
|                         |                   | SIEMENS              | 65                                                          | 600               | LD6, LXD6, SLD6         |  |
|                         |                   |                      |                                                             | 800               | MD6, MXD6, LMD6, LMXD6  |  |
|                         |                   |                      |                                                             | 1200              | ND6, NXD6               |  |
|                         |                   |                      | 100                                                         | 600               | HLD6, HLXD6, SHLD6      |  |
|                         |                   |                      |                                                             | 800               | HMD6, HMXD6             |  |
|                         |                   |                      |                                                             | 1200              | HND6, HNXD6             |  |
|                         |                   |                      |                                                             |                   |                         |  |
|                         |                   | FUSED                | 200                                                         | 800               | CLASS T fuses           |  |

Specific Breaker Model Types

400-1200A closed transition Zenith T-Series transfer switches

| ABB Zenith Model Family | Amp      | UL Short-Time Rating (STR) | Any Breaker Rating (A) (WCR) | Max voltage | Max coordinated Breaker Rating (A) | Breaker Manufacturer | Max Breaker Amperage | Breaker Type                      | Current Limiting Fuse Rating (A) | Max Fuse Size |
|-------------------------|----------|----------------------------|------------------------------|-------------|------------------------------------|----------------------|----------------------|-----------------------------------|----------------------------------|---------------|
| ZTSCT (ZSAC)            | 400-1200 | -                          | 50000 0.050s                 | 480V        | 85 000                             | Eaton                | 1600A                | PB, HND                           | 200,000 (Class L)                | 3000A         |
|                         |          |                            |                              |             |                                    | ITE/Siemens          | 800A                 | CMD6                              |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1200A                | CND6                              |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1600A                | CPD6, HPD6                        |                                  |               |
|                         |          |                            |                              |             |                                    | GE                   | 1200A                | SKL, SKP, SKS                     |                                  |               |
|                         |          |                            |                              |             |                                    | ABB                  | 1200A                | XT7                               |                                  |               |
|                         |          |                            |                              |             | 65 000                             | ABB                  | 800A                 | XT6                               |                                  |               |
|                         |          |                            |                              |             |                                    | Schneider            | 1200A                | PJ                                |                                  |               |
|                         |          |                            |                              |             |                                    | Eaton                | 800A                 | HMDL, HMDLB, NB TRI PAC, NGH, NGC |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1200A                | NGH, HND, CHND                    |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1600A                | RGH                               |                                  |               |
|                         |          |                            | 42000 0.050s                 | 600V        | 65 000                             | Eaton                | 800a                 | NB Tri Pac                        | -                                | -             |
|                         |          |                            |                              |             |                                    |                      | 1600A                | RDC, CRDC, PC, PCC, PB Tri Pac    |                                  |               |
|                         |          |                            |                              |             |                                    | Schneider            | 1200A                | NC, NE, NX                        |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1600A                | PCF, PEF, PHF, PXF                |                                  |               |
|                         |          |                            |                              |             |                                    | ITE/Siemens          | 800A                 | CMD6, SCMD6                       |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1200A                | CND6, SCND6                       |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1600A                | CPD6, HPD6, HRD6                  |                                  |               |
|                         |          |                            |                              |             |                                    | GE                   | 800A                 | THP, THC, TB8, SKP8               |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1200A                | SKP                               |                                  |               |
|                         |          |                            |                              |             |                                    |                      | 1600A                | THP, THC, TRP                     |                                  |               |
|                         |          |                            |                              |             |                                    | MG                   | 1600A                | MP16H1, MP16H2, MC16H1            |                                  |               |
|                         |          |                            |                              |             | 35 000                             | ABB                  | 800A                 | XT6                               |                                  |               |
|                         |          |                            |                              |             | 65 000                             |                      | 1200A                | XT7                               |                                  |               |

1600-3000A Zenith T-series transfer Switches

| ABB Zenith Model Family | Amp                                                                        | UL Short-Time Rating (STR)  | Any Breaker Rating (A) (WCR)  | Max voltage | Max coordinated Breaker Rating (A) | Breaker Manufacturer | Max Breaker Amperage | Breaker Type | Current Limiting Fuse Rating (A) | Max Fuse Size |
|-------------------------|----------------------------------------------------------------------------|-----------------------------|-------------------------------|-------------|------------------------------------|----------------------|----------------------|--------------|----------------------------------|---------------|
| ZTG (ZGAO)              | 1000 (ZBTS CT only)<br>1200 (ZBTS CT only)<br>1600<br>2000<br>2600<br>3000 | 65000 <sup>1</sup><br>0.50s | 100000 <sup>1</sup><br>0.050s | 480V        | 100 000                            | Any Breaker          | -                    | Any Breaker  | 200,000 (Class L)                | 2500A         |
| ZTGD (ZGAD)             |                                                                            |                             |                               |             |                                    |                      |                      |              |                                  |               |
| ZTS (ZSAO)              |                                                                            |                             |                               |             |                                    |                      |                      |              |                                  |               |
| ZTSD (ZSAD)             |                                                                            |                             |                               |             |                                    |                      |                      |              |                                  |               |
| ZTSCT (ZSAC)            |                                                                            |                             |                               |             |                                    |                      |                      |              |                                  |               |
| ZBTS (ZSBO, ZSBD, ZSBC) |                                                                            |                             |                               |             |                                    |                      |                      |              |                                  |               |
|                         |                                                                            |                             |                               |             |                                    |                      |                      |              |                                  |               |

1: rating Z(B)TS, Z(B)TSD, and Z(B)TST only



**Each ATS has Rating Label per UL 1008 Marking Requirements as Shown in Figure 1.**

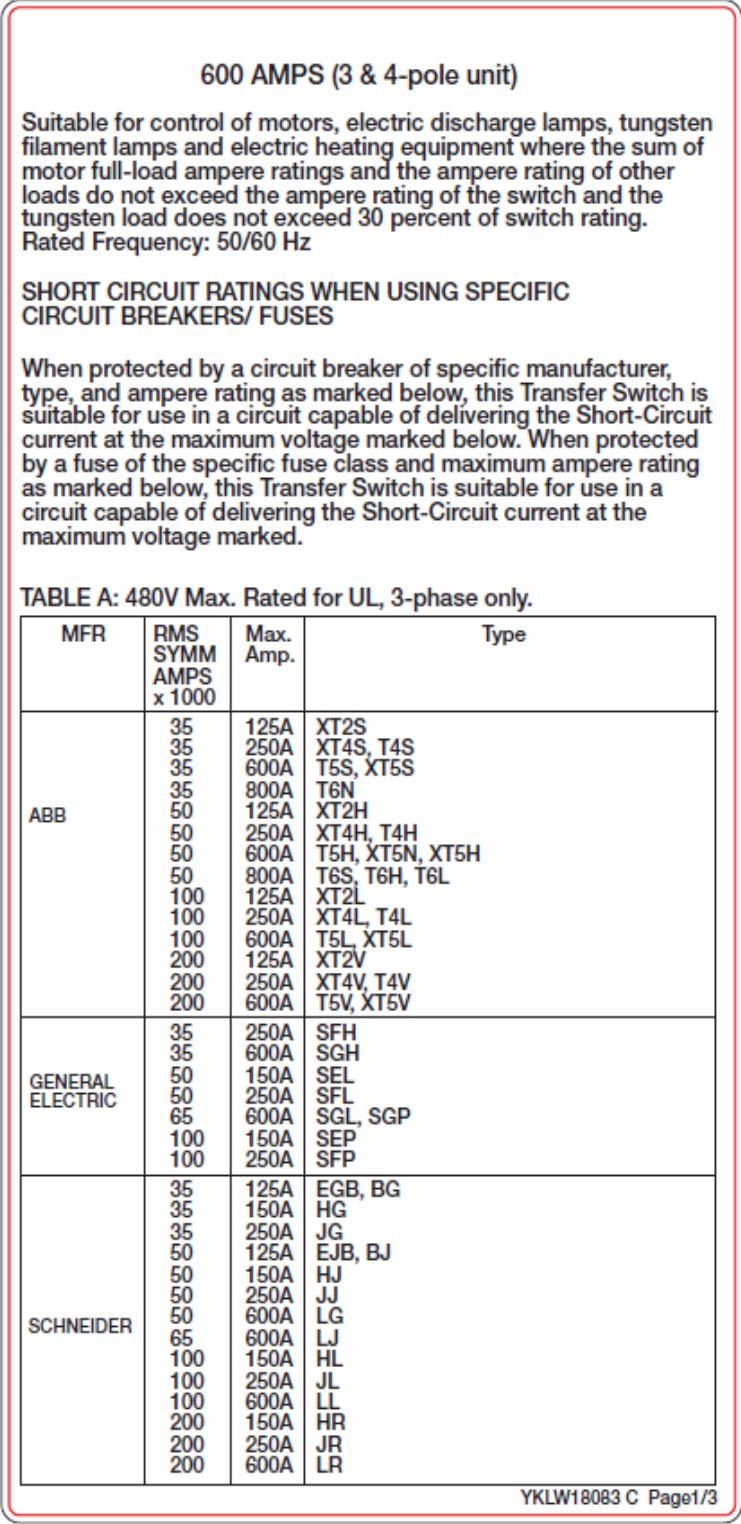


Figure 1. (Label shown for reference only)



—  
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800-431-7867  
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All other customers: [us-el.oemsales@abb.com](mailto:us-el.oemsales@abb.com)  
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