



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 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 shows 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
- **ZTSCT** Closed Transition Automatic Transfer Switches 1600 - 3000 amps
- **ZBTS** Standard Transition Bypass-Isolation Automatic Transfer Switches 100-3000A
- **ZBTSD** Delayed Transition Bypass-Isolation Automatic Transfer Switches 100-3000A
- **ZBTSCT** Closed Transition Bypass-Isolation Automatic Transfer Switches 1600-3000A



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 $\frac{1}{2}$ 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 ¹	0.3 sec				
			50kA	RK5	200A			100kA	250A								
			200kA	Class J or T	200A			200kA	600A	25kA	0.1 sec	25kA ¹	0.3 sec				
			100kA	Class J or T	400A												
R2	260A	OT, DT	200kA	RK5	100A	200kA	600A	200kA	250A	25kA	0.1 sec	25kA ¹	0.3 sec				
			100kA	RK5	200A			100kA	600A								
			200kA	Class J or T	200A			100kA	600A								
			100kA	Class J or T	400A												
			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 ¹	0.3 sec				
			100kA	Class J or T	600A			100kA	600A								
			200kA ¹	Class J or T	600A			150kA ¹	600A								
R3	600A	OT, DT	200kA	Class J or T	400A	200kA	600A	100kA	600A	42kA	0.1 sec	30kA ¹	0.3 sec				
			100kA	Class J or T	600A			200kA ¹	600A								
			200kA ¹	Class J or T	800A			65kA ¹	800A								
			200kA ¹	Class L	800A												
			100kA ¹	Class L	2000A			100kA ¹	1200A	50kA	0.1 sec	50kA ¹	0.5 sec				
R4	800-1200A	OT, DT	200kA ¹	Class J or T	800A	200kA ¹	1600A	65kA ¹	1600A	65kA	0.05 sec						
			200kA ¹	Class L	1200A			200kA ¹	600A								
63L	100-1200A	CT	200kA ¹	Class L	3000A	-	-	85kA	1600A	50kA	0.05 sec	-	-				
R5	1600-3000A	OT, DT, CT	200kA ¹	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 ¹	600A	65kA	0.05 sec						
			200kA ¹	Class J or T	800A			65kA ¹	800A								
			200kA ¹	Class L	800A												
R4B (Bypass)	800-1200A	OT, DT	100kA ¹	Class L	2000A	200kA	1600A	100kA ¹	1200A	50kA	0.1 sec	50kA	0.5 sec				
			200kA ¹	Class J or T	800A			65kA ¹	1600A	65kA	0.05 sec						
			200kA ¹	Class L	1200A												
R5B (Bypass)	1600-3000A	OT, DT, CT	200kA	Class L	4000A	100kA	no max	100kA	no max	100kA	0.05 sec	65kA	0.5 sec				

¹⁾ 3 phase applications only

²⁾ 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 (ZXO)	240V 1-phase	ABB	25	600A	T5V, T5L, T5H, T5S, T5N		
			42	600A	XT5V, XT5L, XT5H, XT5S, XT5N		
			50	125A	XT1N		
				250A	T4V, T4L, T4H, T4S, T4N		
				100A	T2S		
			65	125A	XT2N, XT1S		
				250A	XT4N		
			100	125A	XT2S, XT1H		
				250A	XT4S		
			150	100A	T2H		
		General Electric		125A	XT2H		
				250A	XT4H		
			200	125A	XT2V, XT2L		
				250A	XT4V, XT4L		
			18	150A	SED		
			30	600A	SGP, SGL, SGH		
			65	60A	SEH		
				150A	SEH		
				250A	SFH		
			85	250A	SFP, SFL		
ZTG (ZGO, ZGD)	240V 1-phase	Schneider	100	60A	SEL		
				150A	SEL, SEP		
ZTS (ZSAO, ZSAD)			200	60A	SEP		
			Allen Bradley	200	125A		
					140G-H		
			25	125A	BD		
				150A	HD		
				250A	JD		
				600A	LD		
			50	600A	LR, LL, LJ, LG		
Siemens				125A	BG		
			65	150A	HG		
				250A	JG		
			100	125A	BJ		
				150A	HJ		
				250A	JJ		
			125	150A	HL		
				250A	JL		
			200	150A	HR		
				250A	JR		
Fused	240V 1-phase	Eaton	30	400A	KDC, HKD, CHKD, KD, CKD		
			35	600A	PDG3		
			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		
Fused			200	125A	EGC, PDG1		
				150A	PDG2		
				225A	FDC, FDCE, PDG2		
				250A	JGX, JGU, JGC		
			65	125A	ED6, ED4		
				250A	FD6A, FXD6A		
				400A	SCJD6, SHJD6, SJD6		
				600A	SCLD6, SHLD6, SLD6		
			100	125A	HHED4, HED4		
				250A	HFD6, HFxD6		
Fused			150	125A	3VA51		
				125A	CED6		
			200	150A	3VA61		
				250A	CFD6, HHFD6, HHFXD6, 3VA52, 3VA62		
			50	400A	Class RK1 fuses		
			50	600A	300V Class T fuses		
			100	400A	300V Class T fuses, Class RK1 fuses		
			200	200A	300V Class T fuses, Class RK1 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 (ZXO)	240V 1 or 3-phase	ABB	42	600A	XT5V, XT5L, XT5H, XT5S, XT5N
				125A	XT1N
			50	250A	T4V, T4L, T4H, T4S, T4N
				600A	T5N, T5S, T5V, T5L, T5H
			65	100A	T2S
				125A	XT2N, XT1S
				250A	XT4N
			100	125A	XT2S, XT1H
				250A	XT4S
			150	100A	T2H
		General Electric		125A	XT2H
				250A	XT4H
			200	125A	XT2V, XT2L
				250A	XT4V, XT4L
			18	150A	SED
			30	600A	SGP, SGL, SGH
			42	250A	PEC
			50	600A	PGE, PGN, PGH, PGL, PGP
				100A	TEY
			65	125A	TEYF, TEYD, TEYH
ZTG (ZGO, ZGD)	240V 1 or 3-phase	Schneider		150A	SEH
				250A	SFH, PEE
			85	250A	SFP, SFL
				125A	TEYL
			100	150A	SEP, SEL
				250A	PEN
			150	250A	PEH
				60A	SEP
			200	250A	PEL
			Allen Bradley	200	125A
ZTS (ZSAO, ZSAD)	240V 1 or 3-phase	Eaton			140G-H
			25	125A	BD
				150A	HD
				250A	JD
				600A	LD
			30	125A	BG, BJ
			50	600A	LR, LL, LJ, LG
			65	150A	HG
				250A	JG
			100	150A	HJ
Siemens	240V 1 or 3-phase	Siemens		250A	JJ
				150A	HL
			125	250A	JL
				150A	HR
			200	250A	JR
			30	400A	KDC, HKD, CHKD, KD, CKD
				225A	FD, FDE
			35	600A	PDG3
			42	600A	LGX, LGU, LGC, LGH, LGS
			50	225A	HFD, HFDE, FDCE
Fused	240V 1 or 3-phase	Fused	65	250A	JDC, HJD, JD, JDB
				225A	FD, FDE
			85	125A	EGS
				250A	JGS
			100	125A	EGH
				250A	JGH
			200	125A	EGC, PDG1
				150A	PDG2
				225A	FDC, PDG2
				250A	JGX, JGU, JGC
			65	125A	ED4, ED6
				250A	FD6A, FXD6A
				400A	SCJD6, SHJD6, SJJD6
				600A	SCLD6, SHLD6, SLD6
			100	125A	HHED6, HED4
				250A	HFD6, HFxD6, HHFD6, HHFx6
			150	125A	3VA51
				150A	CED6
			200	125A	3VA61
				250A	CFD6, 3VA52, 3VA62
			50	400A	Class RK1 fuses
				600A	300V Class T fuses
			100	400A	300V Class T fuses
			200	200A	300V Class T fuses, Class RK1 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 (ZXO)	480V 1 or 3-phase	ABB	25	125A	XT2N, XT1N
				250A	T4N, XT4N
				600A	T5N
			35	100A	T2S
				125A	XT2S, XT1S
				250A	T4S, XT4S
				600A	XT5N, T5S
			42	600A	XT5V, XT5L, XT5H, XT5S
				250A	T4V, T4L, T4H
				600A	T5H, T5L, T5V
		General Electric	65	100A	T2H
				125A	XT2H, XT1H
				250A	XT4H
			100	125A	XT2L
				250A	XT4L
				125A	XT2V, XT4V
			14	100A	TEY
				125A	TEYF
				150A	SED
		Allen Bradley	25	150A	SEH
				250A	PEC
				600A	SGH, SGL, SGP, PGE, PGN, PGH, PGL, PGP
			35	125A	TEYH
				250A	SFP, PEE
				250A	SFP, SFL
			42	150A	SEP, SEL
				60A	SEP, SEL
				125A	TEYL
		Schneider	65	250A	PEN
				100	PEH, PEL
				150	125A
			18	125A	140G-H
				150A	EDB, BD
				250A	HD
		Eaton	25	600A	LD
				600A	LR, LL, LJ, LG
				125A	EGB, EJB, BG, BJ
			35	150A	HG
				250A	JG
				150A	HJ
			65	250A	JJ
				150A	HR, HL
				250A	JR, JL
		Siemens	30	400A	KD, CKD, HKD, CHKD, KDC
				125A	EGS, EGH
				225A	FD, FDE
			42	250A	JGS, JDB, JD, HJD, JGH
				250A	JDC
				150	PDG2
			50	225A	FDC, FDCE, HFD, HFDE, PDG2
				250A	JGX, JGU, JGC, JGH
				125A	EGC, PDG1
			65	100A	EGC+CL
				125A	ED4
				125A	ED6
		Fused	35	250A	FD6, FXD6A
				400A	SCJD6, SHJD6, SJJD6
				600A	SCLD6, SLD6, SHLD6
			42	125A	HED4
				125A	HHED6, 3VA51
				150A	3VA61
			65	250A	CFD6, HHFD6, HHFXD6, HFD6, HFED6, JGH+CL, 3VA52, 3VA62
				150A	3VA61
				250A	3VA62
			150	125A	CED6
				200A	200A
				200A	Class RK5 fuses
		200	50	400A	Class RK1 fuses
				400A	Class J & T fuses
			100	400A	Class J & T fuses
			200	100A	Class RK5 fuses
			200	200A	Class J & T fuses, Class RK1 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 (ZXO)	240V 1-phase	ABB	50	125A	XT1N
				100A	T2S
			65	125A	XT2N, XT1S
				250A	T4N, XT4N
				600A	XT5N
			100	125A	XT2S, XT1H
				250A	T4S, XT4S
				600A	XT5S
			150	100A	T2H
				125A	XT2H
ZTG (ZGO, ZGD)		General Electric		250A	T4H, XT4H
				600A	XT5H
			200	125A	XT2V, XT2L
				250A	T4V, T4L, XT4V, XT4L
				600A	XT5V, XT5L
ZTS (ZSAO, ZSAD)		Allen Bradley	18	150A	SED
			50	600A	SGP, SGL, SGH
			65	150A	SEH
			100	250A	SFH
				150A	SEL
			200	250A	SFP, AFL
				150A	SEP
			200	125A	140G-H
		Schneider	25	125A	BD
				150A	HD
				250A	JD
				600A	LD
			65	125A	BG
				150A	HG
				250A	JG
				600A	LG
			100	125A	BJ
				150A	HJ
		Eaton		250A	JJ
				600A	LR, LL, LJ
			125	150A	HL
				250A	JL
				150A	HR
			200	250A	JR
		Siemens	42	600A	LDC, CLDC, HLD, CHLD, LD, CLD
				225A	FD, FDE
			65	250A	JD, JDB
				400A	KDC, HKD, CHKD, KD, CKD, PDG3G
			85	125A	EGS
				250A	JGS
				600A	LGX, LGU, LGC, LGH, LGS
			100	125A	EGH
				225A	HFD, HFDE
				250A	JGH, JDC, HJD
			200	125A	EGC, PDG1
				150A	PDG2
				225A	FDC, FDCE, PDG2
				250A	JGX, JGU, JGC
			65	125A	ED4, ED6
				250A	FD6A, FXD6A
				400A	JD6A, JXD6A, SJD6
				600A	LD6, LXD6, SLD6
			85	400A	CJD6, HHJD6A, HHJXD6A, HJD6A, HJXD6A
				600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6
			100	125A	HHED6, HED4
				250A	HFD6, HFHD6
				400A	SHJD6, 3VA63, 3VA53
				600A	SHLD6, 3VA64, 3VA54
			150	125A	3VA51
			200	125A	CED6
				150A	3VA61
				250A	CFD6, HHFD6, HHFXD6, 3VA52, 3VA62
				400A	SCJD6
				600A	SLCD6
		Fused	50	800A	300V Class T fuses
			100	400A	Class RK1 fuses
				600A	300V Class T fuses
			200	200A	Class RK1 fuses
				400A	300V Class T fuses

Specific Breaker Model Types

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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)	240V 1 or 3-phase	ABB	35	600A	T5S	
			50	125A	XT1N	
				600A	T5H, T5V, T5L	
			65	100A	T2S	
				125A	XT2N, XT1S	
				250A	T4N, XT4N	
				600A	XT5N	
			100	125A	XT2S, XT2H, XT1H	
				250A	T4S, XT4S	
				600A	XT5S	
		General Electric	150	100	T2H	
				250	T4H, XT4H	
				600	XT5H	
			200	125	XT2V, XT2L	
				250	T4V, T4L, XT4V, XT4L	
				600	XT5V, XT5L	
			18	150A	SED	
			42	250A	PEC	
			50	600A	SGP, SGL, SGH	
			65	100A	TEY	
ZTG (ZGO, ZGD)	Allen Bradley			125A	TEYF, TEYD, TEYH	
				150A	SFH	
				600A	PEE	
			100	125A	TEYL	
				150A	SEL	
ZTS (ZSAO, ZSAD)	Schneider			250A	SFP, SFL	
				600A	PEN, PEH, PEL, PEP	
			150	250A	PEH	
			200	150A	SEP	
				250A	PEL	
Eaton		Schneider	200	125A	140G-H	
			25	125A	BD	
				150A	HD	
				250A	JD	
				600A	LD	
			35	125A	BG	
			50	125A	BJ	
			65	150A	HG	
				250A	JG	
				600A	LG	
		Eaton	100	150A	HJ	
				250A	JJ	
				600A	LR, LL, LJ	
			125	150A	HL	
				250A	JL	
			200	150A	HR	
				250A	JR	
			42	600A	LDC, CLDC, HLD, CHLD, LD, CLD	
				225A	FD, FDE	
			65	250A	JD, JDB, HJD	
				400A	KDC, HKD, CHKD, KD, CKD, PDG3G	
				600A	LGX, LGU, LGC, LGH, LGS	
		Eaton	85	125A	EGS	
				250A	JGS	
			100	125A	EGH	
				225A	HFD, HFDE, FDCE	
				250A	JGH, JDC	
			200	125A	EGC, PDG1	
				150A	PDG2	
				225A	FDC, PDG2	
				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 (ZKO)	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, HHLD6, HHLX6, HLD6, HLX6	
			100	125A	HHED6, HED4	
				250A	HFD6, HFxD6, HHFD6, HHFx6	
				400A	SHJD6, 3VA63, 3VA53	
				600A	SHLD6, 3VA64, 3VA54	
		Fused	150	125A	3VA51	
				125A	CED6	
			200	150A	3VA61	
				250A	CFD6, 3VA52, 3VA62	
				400A	SCJD6	
				600A	SCLD6	
			50	800A	300V Class T fuses	
				400A	Class RK1 fuses	
				600A	300V Class T fuses	
				400A	300V Class T fuses	
			100	200A	300V Class T fuses, Class RK1 fuses	
				125A	XT2N, XT1N	
				250A	T4N, XT4N	
				600A	T5N	
ZTG (ZGO, ZGD)	480V 1 or 3-phase	ABB	35	100A	T2S	
				125A	XT2S, XT1S	
				250A	T4S, XT4S	
				600A	T5S, XT5N	
			50	600A	T5H, T5L, T5V, XT5S	
				100A	T2H	
				125A	XT2H, XT1H	
				250A	T4H, XT4H	
			65	600A	XT5H	
				125A	XT2L	
				250A	T4V, T4L, XT4L	
				600A	XT5L, XT5V	
ZTS (ZSAO, ZSAD)		General Electric	100	125A	XT2V	
				250A	XT4V	
			150	125A	TEY	
				125A	TEYF	
			25	150A	SED	
				125A	TEYD	
				150A	SEH	
				250A	PEC	
			35	125A	TEYH	
				250A	SFH, PEE	
				600A	SGH, PGE	
			50	600A	SGL, SGP, PGN, PGH, PGL, PGP	
				125A	TEYL	
				150A	SEL	
				250A	SFL	
Allen Bradley		Allen Bradley	65	600A	PEN	
				250A	SFP	
				150A	SEP	
				250A	PEH	
			85	250A	PEL	
				150A	140G-H	
				150A	140G-K	
				400A	140G-K	

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)	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
		Eaton	50	125A	LJ, LL, LR
				600A	EJB, BJ
			65	150A	HJ
				250A	JJ
			100	150A	HL
				250A	JL
				150A	HR
				250A	JR
ZTG (ZGO, ZGD)		Siemens	35	125A	EGS
				225A	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
				600A	LGC, LGU, LGX, LGH, LGS
			65	125A	EGH
				250A	JGH
ZTS (ZSAO, ZSAD)		Fused	85	225A	PDG2
				125A	EGC, PDG1
				150A	PDG2
				225A	FDC
				250A	JGC, JDC, JGH+CL
			100	125A	EGC+CL
				250A	JGU
			150	250A	JGX
				250A	
			200	18	ED4
				25	ED6
				250A	FD6A, FXD6A
				400A	JD6-A, JXD6-A, HJD6-A, HJXD6-A, HHJD6-A, HHJXD6-A, CJD6-A, SJD6, 3VA63, 3VA53
				600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6, LD6, LXD6, SLD6, 3VA64, 3VA54
				42	HED4
				50	400A
				600A	SCJD6, SHJD6
				65	125A
				250A	HHED6, 3VA51
			100	100	HFD6, HFxD6
				250A	CFD6, HHFD6, HHFXD6, 3VA52, 3VA62
				150	3VA61
				250A	3VA62
			150	200	CED6
				50	600A
				100	Class J & T fuses
				200	Class RK5 fuses
480V 3-phase only		ABB	100	400A	Class J & T fuses, Class RK1 fuses
			100	200A	Class RK5 fuses
		Eaton	65	100A	Class J & T fuses, Class RK1 fuses
			65	200A	Class J & T fuses, Class RK1 fuses
		Siemens	100	600A	XT5V, XT5L
			65	400A	PDG2
			65	600A	3VA63
			65	600A	3VA64

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)	240V 1-phase	ABB	50	125A	XT1N
				100A	T2S
			65	125A	XT2N, XT1S
				250A	T4N, XT4N
			600A	XT5N	
				125A	XT2S, XT1H
			100	250A	T4S, XT4S
				600A	XT5S
			150	100A	T2H
				125A	XT2H
		General Electric	200	250A	T4H, XT4H
				600A	XT5H
				125A	XT2V, XT2L
				250A	T4V, T4L, XT4V, XT4L
				600A	XT5V, XT5L
			18	60A	SED
				150A	SED
			42	250A	PEC
			50	600A	SGP, SGL, SGH
				60A	SEH
ZTG (ZGO, ZGD)	240V 1-phase	General Electric	65	150A	SEH
				250A	SFH, PEE
				600A	PGE
			100	60A	SEL
				150A	SEL
			150	250A	SFP, SFL, PEN
			200	600A	PGN, PGH, PGL, PGP
			200	250A	PEH
			200	60A	SEP
			200	150A	SEP
		Allen Bradley	200	250A	PEL
			200	125A	140G-H
				125A	BD
			25	150A	HD
				250A	JD
			30	600A	LD
				125A	BG, BJ
			65	150A	HG
				250A	JG
				600A	LG
ZTS (ZSAO, ZSAD)	240V 1-phase	Schneider	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 (ZXO)	240V 1-phase	Eaton	42	600A	LDC, CLDC, HLD, CHLD
				225A	FDE
			65	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
		Siemens		600A	LGX, LGU, LGC, LGH
			200	125A	EGC, PDG1
				150A	PDG2
				225A	FDC, FDCE, PDG2
				250A	JGX, JGU, JGC
			65	125A	ED6, ED4
				250A	FD6A, FXD6A
				400A	JD6A, JXD6A, SJD6
				600A	LD6, LXD6, SLD6
			100	125A	HHED4, HED4
		Fused		250A	HFD6, HFxD6
				400A	CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, SHJD6, 3VA63, 3VA53
				600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6, SHLD6, 3VA64, 3VA54
			150	125A	3VA51
				125A	CED6
				150A	3VA61
			200	250A	CFD6, HHFD6, HHFXD6, 3VA52, 3VA62
				400A	SCJD6
				600A	SCLD6
			50	600A	Class RK1 fuses
				800A	300V T-Fuses
			100	400A	Class RK1 fuses
				600A	300V T-Fuses
			200	200A	Class RK1 fuses
				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)	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
		General Electric	100	125A	XT2L
				250A	XT4L, T4L
				600A	T5L, XT5V, XT5L
			150	125A	XT2V
				250A	XT4V, T4V
				600A	T5V
			18	60A	SED
				150A	SED
				60A	SEH
			25	150A	SEH
				250A	PEC
				250A	SFH, PEE
		Schneider	35	600A	SGH, PGE
				600A	SGP, SGL, PGN, PGH, PGL, PGP
				60A	SEL
			50	150A	SEL
				250A	SFL, PEN
				60A	SEP
			65	150A	SEP
				250A	SFP, PEH
				250A	PEL
			18	125A	EDB, BD
				150A	HD
				250A	JD
				600A	LD
			30	125A	EGB, BG, EJB, BJ
				150A	HG
				250A	JG
				600A	LG
			50	600A	LR, LL, LJ
				150A	HJ
				250A	JJ
			65	150A	HL
				250A	JL
				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)	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
		Siemens	100	125A	EGC, PDG1
				225A	FDC, FDCE, PDG2
				250A	JGC, JDC
			150	125A	EGC+CL
				250A	JGU
			200	250A	JGX, JGH+CL
ZTG (ZGO, ZGD)		Fused	18	125A	ED4
			25	125A	ED6
			35	400A	CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, JD6A, JXD6A, SJD6, 3VA63, 3VA53
				600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6, LD6, LX6, SCLD6, 3VA64, 3VA54
			42	125A	HED4
				125A	HHED6, 3VA51
			65	400A	SCJD6, SHJD6, 3VA63
				600A	SCLD6, 3VA64
				100	HHFD6, HHFXD6, HFD6, HF6, FD6A, FXD6A, 3VA52, 3VA62
				150	3VA61
			200	250A	3VA62
				125A	CED6
ZTS (ZSAO, ZSAD)		ABB	50	250A	CFD6
				600A	CLASS RK1 FUSES
			200	200A	CLASS RK5 FUSES
				400A	CLASS RK1 FUSES
			400A	600A	CLASS J & T FUSES
				125A	XT2N, XT1N
				250A	T4N, XT4N
				600A	T5N
			50	100A	T2S
				125A	XT2S, XT1S
				250A	XT4S, T4S
				600A	T5S, XT5N
			65	600A	T5H, T5L, T5V, XT5S
				100A	T2H
				125A	XT2H, XT1H
				250A	T4H, XT4H
			100	600A	XT5H
				125A	XT2L
				250A	T4V, T4L, XT4L
				600A	XT5V, XT5L
			150	125A	XT2V
				250A	XT4V
480V, 3 and 1-phase		General Electric	18	60A	SED
				150A	SED
			25	60A	SEH
				150A	SEH
			35	250A	PEC
				250A	SFH, PEE
			50	600A	SGH
				600A	SGL, SGP
			65	60A	SEL
				150A	SEL
			85	250A	SFL, PEN
				250A	SFP
			100	60A	SEP
				150A	SEP
				250A	PEH
				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
Allen Bradley	Schneider	Eaton	65	400A	140G-K
			150	125A	140G-H
			18	125A	EDB, BD
				150A	HD
				250A	JD
				600A	LD
			30	125A	EGB, BG, EJB, BJ
				150A	HG
				250A	JG
			50	600A	LJ, LL, LR
			65	150A	HJ
				250A	JJ
			100	150A	HL
				250A	JL
				150A	HR
				250A	JR
			35	125A	EGS
				225A	FD, FDE
				250A	JDB, JD, JGS
				400A	KD, CKD
				600A	LD, CLD, HLD, CHLD, LDC, CLDC
			65	400A	HKD, CHKD, KDC
				600A	LGC, LGU, LGX, LGH, LGS
				125A	EGH
				225A	HFD, HFDE
			100	250A	JGH, HJD
				125A	EGC, PDG1
				225A	FDC, FDCE, PDG2
				250A	JGC, JGH, JDC
			150	125A	EGC+CL
				250A	JGU
			200	250A	JGX
		Siemens	18	125A	ED4
			25	125A	ED6, 3VA51
				250A	3VA52
			35	125A	3VA51
				150A	3VA61
				250A	FD6A, FXD6A, 3VA52, 3VA62
				400A	CJD6-A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, JD6A, JXD6A, SJD6, 3VA63, 3VA53
				600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6, LD6, LXD6, SCLD6, 3VA64, 3VA54
			42	125A	HED4
				125A	HHED6, 3VA51
				400A	SCJD6, SHJD6, 3VA63
				600A	SCLD6, SCLD6, 3VA64
			100	250A	CFD6, HHFD6, HHFxD6, HFD6, HFxD6, FD6A, FxD6A, 3VA52, 3VA62
				150A	3VA61
				250A	3VA62
				200	CED6
		Fused	50	600A	CLASS RK1 FUSES
			100	600A	CLASS J & T FUSES
			200	400A	CLASS RK1 FUSES
				200A	CLASS RK1 FUSES
			100A	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 (ZXO)	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
		General Electric	200	600A	T5H, XT5H
				125A	XT2V, XT2L
				250A	T4V, T4L, XT4V, XT4L
				600A	T5V, T5L, XT5V, XT5L
			18	60A	SED
				150A	SED
				250A	PEC
		Schneider	50	600A	SGP, SGL, SGH
				60A	SEH
				150A	SEH
			65	250A	SFH, PEE
				600A	PGE
			100	60A	SEL
				150A	SEL
				250A	SFL, PEN
		Eaton	150	600A	PGN, PGH, PGL, PGP
				250A	PEH
			200	60A	SEP
				150A	SEP
				250A	SFP, PEL
			25	125A	BD
				150A	HD
				250A	JD
			30	600A	LD
				125A	BG, BJ
				150A	HG
			65	250A	JG
				600A	LG
				150A	HJ
			100	250A	JJ
				600A	LL, LJ
				150A	HL
			125	250A	JL
				150A	HR
				250A	JR
			200	600A	C
				600A	LDC, CLDC, HLD, CHLD, LD, CLD
				225A	FD, FDE
			42	250A	JD, JDB
				400A	KD, CKD, HKD, CHKD, KDC
				125A	EGS
			85	250A	JGS
				600A	LGS
				125A	EGH
			100	225A	HFD, HFDE
				250A	JGH
				600A	LGH
				600A	LGX, LGU, LGC
			150	125A	EGC, PDG1
				150A	PDG2
				225A	FDC, FDCE, PDG2
				250A	JGX, JGU, JGC, JDC, PDG2
				250A	

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)	240V, 3-phase only	Siemens	65	125A	ED6, ED4	
				250A	FD6A, FXD6A	
				400A	JD6A, JXD6A, SCJD6	
				600A	LD6, LXD6, SLD6	
			100	125A	HHD6, HED4	
				250A	HFD6, HFHD6	
				400A	CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, SHJD6, 3VA63, 3VA53	
				600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6, SHLD6, 3VA64, 3VA54	
			150	125A	3VA51	
				125A	CED6	
		Fused		150A	3VA61	
				200	CFD6, HHFD6, HHFXD6, 3VA52, 3VA62	
				250A	SCJD6	
				400A	SCLD6	
		50	600A	Class RK1 fuses		
			100	300V Class T-fuses		
			200	Class RK1 fuses		
			600A	300V Class T-fuses		
ZTG (ZGO, ZGD)	240V, 3 and 1-phase	ABB	50	125A	XT1N	
				100A	T2S	
				125A	XT2N, XT1S	
				250A	T4N, XT4N	
				600A	XT5N	
			65	125A	XT2S, XT1H	
				250A	T4S, XT4S	
				600A	XT5S	
		General Electric	100	100A	T2H	
				125A	XT2H	
				250A	T4H, XT4H	
			150	600A	XT5H	
				125A	XT2V, XT2L	
			200	250A	T4V, T4L, XT4V, XT4L	
				600A	XT5V, XT5L	
				18	60A SED	
ZTS (ZSAO, ZSAD)	240V, 3 and 1-phase	General Electric	50	150A	SED	
				600A	SGP, SGL, SGH	
				60A	SEH	
			65	150A	SEH	
				250A	SFH	
			100	60A	SEL	
				150A	SEL	
				250A	SFP, SFL	
				60A	SEP	
		Allen Bradley	200	150A	SEP	
				125A	140G-H	
		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 (ZXO)	240V, 3 and 1-phase	Eaton	42	600A	LDC, CLDC, HLD, CHLD
				225A	FDE
			65	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
		Siemens		600A	LGX, LGU, LGC, LGH
			200	125A	EGC, PDG1
				150A	PDG2
				225A	FDC, FDCE, PDG2
				250A	JGX, JGU, JGC
			65	125A	ED6, ED4
				250A	FD6A, FXD6A
				400A	JD6A, JXD6A, SJD6
				600A	LD6, LXD6, SLD6
			100	125A	HHED4, HED4
		Fused		250A	HFD6, HFxD6
				400A	CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, SHJD6, 3VA63, 3VA53
				600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6, SHLD6, 3VA64, 3VA54
			150	125A	3VA51
				125A	CED6
				150A	3VA61
			200	250A	CFD6, HHFD6, HHFXD6, 3VA52, 3VA62
				400A	SCJD6
				600A	SCLD6
			50	600A	Class RK1 Fuses
				800A	300V T-Fuses
			100	400A	Class RK1 Fuses
				600A	300V T-Fuses
			200	200A	Class RK1 Fuses
				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 (ZXO)	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	
		General Electric		250A	T4H, XT4H	
				600A	XT5H	
		200	125A	XT2V, XT2L		
			250A	T4V, T4L, XT4V, XT4L		
			600A	XT5V, XT5L		
		Schneider	18	60A	SED	
				150A	SED	
				250A	PEC	
				50	SGP, SGL, SGH	
				60A	SEH	
				150A	SEH	
			65	250A	SFH, PEE	
				600A	PGE	
				60A	SEL	
			100	150A	SEL	
				250A	SFP, SFL, PEN	
				600A	PGN, PGH, PGL, PGP	
				150	PEH	
			200	60A	SEP	
				150A	SEP	
				250A	PEL	
				125A	BD	
			25	150A	HD	
				250A	JD	
				600A	LD	
				125A	BG	
			65	150A	HG	
				250A	JG	
				600A	LG	
				125A	BJ	
			100	150A	HJ	
				250A	JJ	
				600A	LR, LL, LJ	
				150A	HL	
			125	250A	JL	
				150A	HR	
				250A	JR	
				125A	BD	

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 (ZXO)	240V 1-phase	Eaton	42	600A	LDC, CLDC, HLD, CHLD, LD, CLD
				225A	FDE
			65	250A	JD, JDB
				400A	KDC, HKD, CHKD, KD, CKD
			85	125A	EGS
				250A	JGS
				600A	LGS
				125A	EGH
			100	225A	HFD, HFDE
				250A	JGH, JDC, HJD
				600A	LGX, LGU, LGC, LGH
		Siemens	200	125A	EGC
				225A	FDC, FDCE, PDG2
				250A	JGX, JGU, JGC
			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
		Fused	100	125A	HHED4, HED4
				250A	HFD6, HFHD6
				400A	SHJD6, 3VA63, 3VA53
				600A	SHLD6, 3VA64, 3VA54
			200	125A	CED6
				250A	CFD6, HHFD6, HHFXD6, 3VA62, 3VA52
				400A	SCJD6
				600A	SCLD6
			50	600A	Class RK1 fuses
				800A	300V Class T-fuses
				100	400A
				200	600A
				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 (ZXO)	480V, 3-phase only	ABB	20	1200A	XT7L, XT7H, XT7S
				125A	XT2N
			25	250A	T4N, XT4N
				600A	T5N
			35	100A	T2S
				125A	XT2S
			35	250A	XT4S, T4S
				600A	T5S, XT5N
			50	800A	T6N, XT6H, XT6S, XT6N
				800A	T6S, T6H, T6L, XT5S
		General Electric	65	100A	T2H
				125A	XT2H
			65	250A	T4H, XT4H
				600A	T5H, XT5H
			100	125A	XT2L
				250A	XT4L, T4L, T4V
			100	600A	T5L, XT5L
			150	125A	XT2V
				250A	XT4V
			150	600A	T5V, XT5V
ZTG (ZGO, ZGD)	480V, 3-phase only	General Electric	18	60A	SED
				150A	SED
			25	60A	SEH
				150A	SEH
			25	250A	PEC
				250A	SFH, PEC
			35	600A	SGH, PGE
			65	60A	SEL
				150A	SEL
			65	250A	SFL, PEN
ZTS (ZSAO, ZSAD)	480V, 3-phase only	General Electric		600A	SGL, SGP, PGN
			100	60A	SEP
				150A	SEP
			100	250A	SFP, PEH
				600A	PGH
			150	250A	PEL
				600A	PGL
			200	600A	PGP
		Schneider	18	125A	EDB, BD
				150A	HD
			30	250A	JD
				600A	LD
			30	125A	EGB, EJB, BG, BJ
				150A	HG
			35	250A	JG
				600A	LG
			65	150A	HJ
				250A	JJ
			65	600A	LJ
ZTS (ZSAO, ZSAD)	480V, 3-phase only	Schneider	100	150A	HL
				250A	JL
			100	600A	LL
			200	150A	HR
				250A	JR
			200	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)	480V, 3-phase only	Eaton	35	125A	EGS
				225A	FDE, 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, PDG3
			100	800A	HMML, CHMML, PDG4
				125A	EGC
				225A	FDC, FDCE, PDG2
				250A	JGC, JDC
				400A	KDC
		Siemens	150	600A	LDC, CLDC, LGC
				100A	EGC
			200	250A	JGU
				600A	LGU
			42	250A	JGX, JGH+CL
				600A	LGX
ZTG (ZGO, ZGD)	480V, 3-phase only	Fused	35	18	ED4
				25	ED6
				400A	JD6A, JXD6A, SCJD6
				600A	LD6, LXD6, SCLD6
				1200A	3VA67, 3VA57
			65	125A	HED4
				125A	HHED4
				400A	HJD6A, HJXD6A, SHJD6
				600A	HLD6, HLXD6, SCLD6
				1000	3VA66
ZTS (ZSAO, ZSAD)	480V, 3 and 1-phase only	ABB	100	250A	HHFD6, HHFXD6, HFD6, HFXD6, FD6A, FXD6A, 3VA52
				400A	HHJD6A, HHJXD6A, 3VA53
				600A	HHLD6, HHLXD6, 3VA64
				600/800A	3VA65, 3VA55
				1000A	3VA66
			150	250	3VA62
				400A	CJD6-A, SCJD6, 3VA63
				600A	CLD6, SCLD6, 3VA64
				125A	CED6
				250A	CFD6
			200	100	Class RK5 fuses
				400A	Class RK5 fuses
				600A	Class RK1 fuses
				800A	Class J & T fuses
				800A	CLASS L 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 (ZKO)	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	
				60A	SEL	
				150A	SEL	
		Allen Bradley	65	250A	SFL, PEN	
				250A	SFP	
				60A	SEP	
			100	150A	SEP	
				250A	PEH	
				250A	PEL	
ZTG (ZGO, ZGD)		Schneider	35	35	400A	
				65	400A	
			18	125A	EDB, BD	
				150A	HD	
			30	250A	JD	
				600A	LD	
			35	125A	EGB, BG, BJ, EJB	
				150A	HG	
			50	250A	JG	
				600A	LG	
		Eaton	65	600A	LR, LL, LJ	
				150A	HJ	
				250A	JJ	
			100	150A	HL	
				250A	JL	
			200	150A	HR	
				250A	JR	
ZTS (ZSAO, ZSAD)		Siemens	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, PDG2	
				250A	JGC, JGH, JDC	
			150	100A	EGC	
				250A	JGU	
				250A	JGX	
			Fused	18	ED4	
				25	ED6	
				35	400A CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A, JD6A, JXD6A, SJD6, 3VA63, 3VA53	
				42	600A CLD6, HHLD6, HHLXD6, HLD6, HLXD6, LD6, LXD6, SCLD6, 3VA64, 3VA54	
				125A	HED4	
				125A	HHED4	
				400A	SCJD6, SHJD6, 3VA63	
				600A	SCLD6, 3VA64	
				100	250A CFD6, HHFD6, HHFXD6, HFD6, HFXD6, FD6A, FXD6A, 3VA52	
				150	250A 3VA62	
				200	125A CED6	
				50	600A Class RK1 fuses	
				100	200A Class RK5 fuses	
				400A	Class RK1 fuses	
				600A	Class J & T Fuses	
				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 (ZXO)	240V, 3-phase only	ABB	18	60A	SED
				150A	SED
			20	1200A	XT7L, XT7H, XT7S
				125A	BD
				150A	HD
				250A	JD
			25	600A	LD
				800A	XT6H, XT6S, XT6N
				800A	T6L, T6H, T6S, T6N
			65	100A	T2S
				125A	XT2N
				250A	T4N, XT4N
			100	600A	T5N, XT5N
				125A	XT2S
				250A	T4S, XT4S
			150	600A	T5S, XT5S
				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
				60A	SEH
				150A	SEH
				250A	SFH, PEE
			65	600A	SGH, PGE
				60A	SEL
				150A	SEL
				250A	SFL, PEN
				600A	SGL, PGN
			100	250A	PEH
				600A	PGH
				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
				250A	JR
			200	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)	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, PDG3		
		Siemens	200	800A	PDG4		
				125A	EGC		
				225A	FDC, FDCE, JDC, PDG2		
				250A	JGX, JGU, JGC		
				400A	KDC, PDG3		
				600A	LGX, LGU, LGC, LDC, CLDC		
ZTG (ZGO, ZGD)		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		
				1000A	3VA66		
				125A	CED6		
ZTS (ZSAO, ZSAD)			200	250A	CFD6, HHFD6, HHFXD6		
				400A	CJD6A, HHJD6A, HHJXD6A, SCJD6, 3VA63, 3VA53		
				600A	CLD6, HHLD6, HHLXD6, SCLD6, 3VA64, 3VA54		
				600/800A	3VA65, 3VA55		
				600A	Class RK1 fuses		
Fused		200	800A	300V Class T-fuses			
			100A	T2S			
240V, 3 and 1-phase only		ABB	65	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		
		General Electric	200	125A	XT2V, XT2L		
				250A	T4V, T4L, XT4V, XT4L		
				600A	XT5V, XT5L		
			18	60A	SED		
				150A	SED		
				250A	PEC		
			42	600A	SGP, SGL, SGH		
				60A	SEH		
				150A	SEH		
				250A	SFH, PEE		
				600A	PGE		
			100	60A	SEL		
				150A	SEL		
				250A	SFP, SFL, PEN		
				600A	PGN, PGH, PGL, PGP		
				250A	PEH		
		150	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 (ZXA)	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	
		Eaton		250A	JJ	
				600A	LR, LL, LJ	
		125	150A	HL		
			250A	JL		
		200	150A	HR		
			250A	JR		
		Siemens	42	600A	LDC, CLDC, HLD, CHLD, LD, CLD	
				225A	FDE, FDE	
				250A	JD, JDB	
				400A	KDC, HKD, CKD, KD, CKD	
			85	125A	EGS	
				250A	JGS	
				600A	LGS	
				125A	EGH	
			100	225A	HFD, HFDE	
				250A	JGH, JDC, HJD	
				600A	LGX, LGU, LGC, LGH	
				125A	EGC	
			200	225A	FDC, FDCE, PDG2	
				250A	JGX, JGU, JGC	
				125A	ED6, ED4	
			65	250A	FD6A, FXD6A	
				400A	JD6A, JXD6A, SJD6	
				600A	LD6, LXD6, SLD6	
				400A	CJD6A, HHJD6A, HHJXD6A, HJD6A, HJXD6A	
			85	600A	CLD6, HHLD6, HHLXD6, HLD6, HLXD6	
				125A	HHED4, HED4	
				250A	HFD6, HF6D	
				400A	SHJD6, 3VA63, 3VA53	
			100	600A	SHLD6, 3VA64, 3VA54	
				125A	CED6	
				250A	CFD6, HHFD6, HHF6D6, 3VA62, 3VA52	
				400A	SCJD6	
			200	600A	SCLD6	
				600A	Class RK1 fuses	
				800A	300V Class T-fuses	
				100	400A	
			Fused	600A	Class RK1 fuses	
				200	400A	
				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)	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	T5L, XT5L
				1200	XT7L
		General Electric	150	600	T5V, XT5V
			50	1200	SKH
			65	600	SGL
		Allen Bradley	100	1200	SKP, SKL
			100	600	SGP
		Schneider	35	400	140G-K
			65	400	140G-K
			50	1200	PK, RL, RJ, RK
			65	600	LJ
			65	800	MJ
			100	1200	PL, PJ
			100	600	LL
			200	600	LR
			50	600	LGS
			50	800	MDL, CMDL
		Eaton	50	1200	NGS, ND, CND
			65	400	HKD, CHKD
			65	600	LGH, HLD, CHLD
			65	800	HMDL, CHMDL, PDG4
			65	1200	NGH, HND, CHND
			65	1600	RGH
			100	400	KDC, PDG3
			100	600	LGC, LDC, CLDC, PDG3
			150	600	LGU
			200	600	LGX
		Siemens	50	800	MD6, MXD6, LMD6, LMXD6
			50	1200	ND6, NXD6
			50	1600	PD6, PXD6
			65	400	HJD6, HJXD6, SHJD6
			65	600	HLD6, HLXD6, SCLD6
			65	800	HMD6, HMXD6
			65	1200	HND6, HNXD6, 3VA67, 3VA57
			65	1600	CPD6, HPD6, HPxD6, 3VA68, 3VA58
			65	2000	3VA69, 3VA59
			100	400	3VA63, 3VA53
		Fused	100	600	3VA64, 3VA54
			100	600/800	3VA65, 3VA55
			100	800	CMD6
			100	1000	3VA66
			100	1200	CND6
		Fused	150	400	CJD6, SCJD6, 3VA63
			150	600	CLD6, SCLD6, 3VA64
			200	100	CLASS L fuses
			200	600	CLASS RK5 fuses
			200	800	CLASS J & T fuses
			200	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 (ZXA)	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
		General Electric	150	600	T5H, XT5H
				600	T5V, T5L, XT5V, XT5L
			200	800	XT6H
				600	SGH
		Schneider	65	1200	SKH
				600	SGL
			100	1200	SKP, SKL
				600	SGP
ZTG (ZGO, ZGD)	240V, 3 Phase	Eaton	50	1200	RL, RJ, RK
				600	LG
				800	MJ, MG
				1200	PL, PJ, PK
				600	LJ
			100	600	LL
				600	LR
			125	1200	NGS
				400	KD, CKD
				600	LD, CLD
				800	HMDL, CHMDL, MDL, CMDL
			200	1200	NGH, HND, CHND, ND, CND
				1600	RGH
				600	LGS
				400	HKD, CHKD, PDG3
ZTS (ZSAO, ZSAD)	240V, 3 Phase	Siemens	85	600	LGH, HLD, CHLD, PDG3
				800	PDG4
				400	KDC, PDG3
				600	LGX, LGU, LGC, LDC, CLDC, PDG3
			100	400	JD6, JXD6, SJD6
				600	LD6, LXD6, SLD6
				800	MD6, MXD6, LMD6, LMXD6
				1200	HND6, NXD6
				1600	PD6, PXD6
			200	400	HJD6, HJXD6, SHJD6, 3VA63, 3VA53
				600	HLD6, HLXD6, SHLD6
				600/800	3VA65, 3VA55
				800	HMD6, HMXD6
				1200	HND6, HNXD6, 3VA67, 3VA57
				1600	HPD6, HPXD6, 3VA68, 3VA58
			Fused	2000	3VA69, 3VA59
				400	CJD6, SCJD6, 3VA63
				600	CLD6, SCLD6, 3VA64, 3VA65
				800	CMD6
				1000	3VA66
				1200	CND6
				1600	CPD6
				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)	480V, 1-phase only	ABB	25	600	T5N
			35	600	T5S, XT5N
			800	800	XT6N
			50	600	XT5S
			800	800	XT6S
			1200	1200	XT7L, XT7H, XT7H, XT7S
			65	600	T5H, XT5H
			800	800	XT6H
			100	600	T5L, XT5L
			150	600	T5V, XT5V
		General Electric	35	600	SGH
			50	1200	SKH, SKL, SKP
			65	600	SGL
			100	600	SGP
		Allen Bradley	35	400	140G-K
			65	400	140G-K

—
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)	240V, 1-phase only	ABB	50	1200	XT7S, XT7H, XT7L
			65	600	T5N, XT5N
			800	800	XT6N
			100	600	XT5S, XT5H
			800	800	XT6S
			150	600	T5H, XT5H
			200	600	T5V, T5L, XT5V, XT5L
			800	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) RMS SYMM AMPS x 1000	Max. Breaker Amp.	Breaker Type
ZBTS (ZSBO, ZSBD)	480V 3-phase ONLY	ABB	65	600	T5H, XT5H
				800	T6H, XT6H
				1200	T7H, XT7L, XT7H
			100	600	T5L, XT5L
				1200	XT7L
				600	T5V, XT5V
		GENERAL ELECTRIC	65	600	SGL
				1200	SKP, SKL
				100	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	LL
		SIEMENS	65	600	HLD6, HLXD6, SCLD6
				800	HMD6, HMXD6
				1200	HND6, HNXD6
				1600	CPD6, HPD6, HPXD6
				800	CMD6
			100	1200	CND6
		FUSED	100	2000	CLASS L fuses
				600	CLASS RK5 fuses
				800	CLASS J & T fuses
			200	1200	CLASS L fuses

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) 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	
				600	T5V, T5L, XT5V, XT5L	
		GENERAL ELECTRIC	200	800	XT6H	
				600	SGH	
			65	1200	SKH	
				600	SGL	
			100	1200	SKP, SKL	
		EATON		600	LD, CLD	
				800	HMDL, CHMDL, MDL, CMDL	
		65	1200	NGH, HND, CHND, ND, CND		
			85	LGS		
			100	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
							800A	CMD6		
						ITE/Siemens	1200A	CND6		
							1600A	CPD6, HPD6		
						GE	1200A	SKL, SKP, SKS		
						ABB	1200A	XT7		
						ABB	800A	XT6		
						Schneider	1200A	PJ		
					65 000		800A	HMDL, HMDLB, NB TRI PAC, NGH, NGC	-	-
						Eaton	1200A	NGH, HND, CHND		
							1600A	RGH		
						Eaton	800a	NB Tri Pac		
			42000 0.050s	600V	65 000		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		
					35 000		1600A	THP, THC, TRP		
						MG	1600A	MP16H1, MP16H2, MC16H1		
					65 000	ABB	800A	XT6	200,000 (Class L)	3000A
							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)										
ZTGD (ZGAD)										
ZTS (ZSAO)	1000 (ZBTS CT only) 1200 (ZBTS CT only)									
ZTSD (ZSAD)	1600 2000 2600 3000	65000 ¹ 0.50s	100000 ¹ 0.050s	480V	100 000	Any Breaker	-	Any Breaker	200,000 (Class L)	4000A
ZTSCT (ZSAC)										
ZBTS (ZSBO, ZSBD, ZSBC)										

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

Each ATS has Rating Label per UL 1008 Marking

Requirements as Shown in Figure 1.

600 AMPS (3 & 4-pole unit)			
Suitable for control of motors, electric discharge lamps, tungsten filament lamps and electric heating equipment where the sum of motor full-load ampere ratings and the ampere rating of other loads do not exceed the ampere rating of the switch and the tungsten load does not exceed 30 percent of switch rating. Rated Frequency: 50/60 Hz			
SHORT CIRCUIT RATINGS WHEN USING SPECIFIC CIRCUIT BREAKERS/ FUSES			
When protected by a circuit breaker of specific manufacturer, type, and ampere rating as marked below, this Transfer Switch is suitable for use in a circuit capable of delivering the Short-Circuit current at the maximum voltage marked below. When protected by a fuse of the specific fuse class and maximum ampere rating as marked below, this Transfer Switch is suitable for use in a circuit capable of delivering the Short-Circuit current at the maximum voltage marked.			
TABLE A: 480V Max. Rated for UL, 3-phase only.			
MFR	RMS SYMM AMPS x 1000	Max. Amp.	Type
ABB	35	125A	XT2S
	35	250A	XT4S, T4S
	35	600A	T5S, XT5S
	35	800A	T6N
	50	125A	XT2H
	50	250A	XT4H, T4H
	50	600A	T5H, XT5N, XT5H
	50	800A	T6S, T6H, T6L
	100	125A	XT2L
	100	250A	XT4L, T4L
	100	600A	T5L, XT5L
	200	125A	XT2V
	200	250A	XT4V, T4V
	200	600A	T5V, XT5V
GENERAL ELECTRIC	35	250A	SFH
	35	600A	SGH
	50	150A	SEL
	50	250A	SFL
	65	600A	SGL, SGP
	100	150A	SEP
	100	250A	SFP
SCHNEIDER	35	125A	EGB, BG
	35	150A	HG
	35	250A	JG
	50	125A	EJB, BJ
	50	150A	HJ
	50	250A	JJ
	50	600A	LG
	65	600A	LJ
	100	150A	HL
	100	250A	JL
	100	600A	LL
	200	150A	HR
	200	250A	JR
	200	600A	LR

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Figure 1. (Label shown for reference only)



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