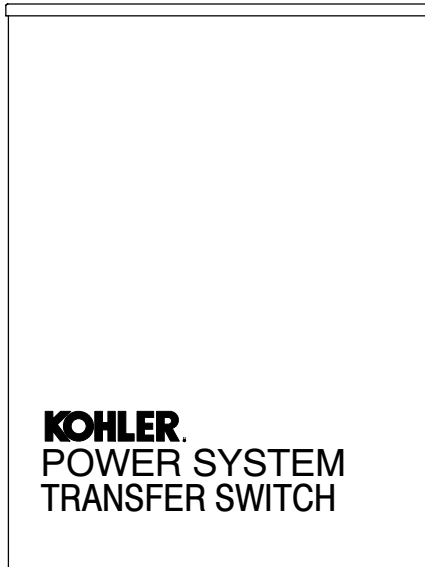




U.S.A. Plant ISO Registered



Standard Features

- UL 1008 listed and CSA certified
- Contactors rated 250 vac maximum, 50 or 60 Hz
- ATS available with ratings of 100 and 200 amperes, 2 or 3 poles, single- or three-phase
- NEMA type 1 and 3R enclosures available
- Integrated solid-state logic controller with conformally coated printed circuit board for protection against harsh environments
- Emergency source voltage sensing one phase: dropout fixed at 160 vac and pickup fixed at 190 vac
- Single-phase switches: normal source dropout fixed at 160 vac and pickup fixed at 190 vac
- Three-phase switches: normal source dropout fixed at approximately 80% of nominal for single-phase failure and pickup fixed at approximately 90% of nominal
- Time Delay Engine Start (TDES) fixed at 3 seconds
- Time Delay Normal to Emergency (TDNE) fixed at 2 seconds
- Time Delay Emergency to Normal (TDEN) fixed at 12 seconds
- Time Delay Engine Cooldown (TDEC) fixed at 2 minutes
- User-enabled generator exerciser: starts and runs the generator unloaded for a 20-minute period once a week
- Transfer time 50 milliseconds maximum
- Contactor electrically and mechanically interlocked
- Contactor manually operable for maintenance purposes
- Ambient operating temperature range
– 4° to 140°F (– 20° to 60°C)
- Ambient storage temperature range
– 22° to 158°F (– 30° to 70°C)
- Humidity range 5 to 85% noncondensing
- Provision for test switch

Contactor Ratings*

UL 1008 Switch Size (amps)	Withstand and Closing Ratings per UL 1008 and CSA, Maximum Current (amps)		
	When Used With 400 Amps Maximum Class J, RK5, or RK1 Fuse	When Coordinated With Molded-case Circuit Breakers	
		Any Manufacturer's (400 Amps Maximum)	Specific Manufacturer's (see table)
100	200,000	10,000	22,000
200	200,000	10,000	22,000

* UL 1008 listed and CSA certified at 240 vac maximum.

Contactor Ratings with Coordinated Circuit Breakers*

The following table lists contactor withstand and closing ratings (WCR) for 100 and 200 ampere switch sizes with specific manufacturer's circuit breakers per UL 1008 and CSA standards, 240 volts maximum.

WCR, RMS Symmetrical Amperes	Specific Manufacturer's Molded-Case Circuit Breakers		
	Manufacturer	Type or Class	Maximum Size (amps)
22,000	Cutler-Hammer/ Westinghouse	FCL, FB Tripac	100
		FD, FDC, HFD	150
		HJD, JD, JDB, JDC	250
		HKD, KD, KDB, KDC, LA Tripac, LCL, DK	400
	Square D	FC, FH, FI	100
		KA, KC, KH, KI	250
		LA, LC, LE, LH, LI, LX, LXI	400
	ITE/Siemens	CED6, ED6, HED4, HED6, ED4	125
		CFD6, FD6, FXD6, HFD6	250
		CJD6, HJD6, HHJD6, HHJXD6, JD6, JXD6, SCJD6, SHJD6, SJD6	400
	GE	TB1	100
		SEL, SEP, TEL, THED, THLC1	150
		TFK, TFL, THFK, THLC2	225
		SFL, SFP, TFJ	250
		SGL4, SGP4, TB4, THJK4, THLC4, TJJ, TJK4, TLB4	400

* UL 1008 listed and CSA certified at 240 vac maximum.

Application Data

AL/CU UL-listed Solderless Screw-type Terminals for External Power Connections		
Switch Size (amps)	Normal, Emergency, and Load Terminals	
	Cables per Pole	Range of Wire Sizes
100	1	#8 to 3/0 (copper or aluminum)
200	1	#8 to 3/0 (copper only)

Weights and Dimensions

Applicable to all available voltages and enclosure types.

Amperes	Number of Poles	Transfer Switch Weight lbs. (kg)	Dimensions H x W x D in. (mm)
100	2	46 lbs. (21 kg)	24 x 18 x 11 (610 x 457 x 279)
	3	48 lbs. (22 kg)	
200	2	47 lbs. (21 kg)	
	3	49 lbs. (22 kg)	

Transfer Switch Ratings

Voltage, Frequency	Poles	Phases	Amperage
208 V, 60 Hz	3	3	100
			200
220 V, 50 Hz	2	1	100
			200
220 V, 50 Hz	3	3	100
			200
240 V, 60 Hz	2	1	100
			200
240 V, 60 Hz	3	3	100
			200

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