

Molded Case Circuit Breakers Industrial Circuit Breakers

Section 6

125-600A Circuit Breakers
Thermal-Magnetic Trip
J600 Line Circuit Breakers
Types TJJ, TJK, THJK

Type THJK - 600V High Break DC Circuit Breakers

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Hi-Break Product Number	Frame Only Product Number	Trip Unit Only. Use w/ Standard and Hi-Break Frames	Product Number (Order 2 per pole)	Wire Size
	Low	High					
400A Frame – Three-Pole							
125	375	1250	THJK436D125WL	THJK436D000	TJK436T125	TCAL43 ³	(1) 6-600 or (2) 2/0-250 Cu/Al
150	450	1500	THJK436D150WL		TJK436T150		
175	525	1750	THJK436D175WL		TJK436T175		
200	600	2000	THJK436D200WL		TJK436T200		
225	675	2250	THJK436D225WL		TJK436T225		
250	750	2500	THJK436D250WL		TJK436T250		
300	900	3000	THJK436D300WL		TJK436T300		
350	1050	3500	THJK436D350WL		TJK436T350		
400	1200	4000	THJK436D400WL		TJK436T400		
600A Frame – Three-Pole							
250	750	2500	THJK636D250WL	THJK636D000	TJK636T250	TCAL43 ³	(1) 6-600 or (2) 2/0-250 Cu/Al
300	900	3000	THJK636D300WL		TJK636T300		
350	1050	3500	THJK636D350WL		TJK636T350		
400	1200	4000	THJK636D400WL		TJK636T400		

Types TJK, THJK – Interchangeable Trip, includes Cu/Al Line and Load Lugs, not suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Complete Circuit Breaker Includes Line and Load Lugs		Frame Only Product Number	Trip Unit Only. Use w/ Standard and Hi-Break Frames	Terminal Lugs for Front Connection (Cu/Al) ¹	
	Low	High	Standard Product Number	Hi-Break Product Number			Product Number (Order 2 per pole)	Wire Size
600A Frame – Two-Pole								
300	900	3000	TJK626300WL	THJK626300WL	TJK626F000 Standard Frame	TJK626T250	TCAL43 ²	(1) 6-600 or (2) 2/0-250 Cu/Al
350	1050	3500	TJK626350WL	THJK626350WL		TJK626T300		
400	1200	4000	TJK626400WL	THJK626400WL		TJK626T350		
450	1350	4500	TJK626450WL	THJK626450WL	THJK626F000 Hi-Break Frame	TJK626T400	TCAL63	(2) 4/0-350 Cu or (2) 300-500 Al
500	1500	5000	TJK626500WL	THJK626500WL		TJK626T450		
600	1800	6000	TJK626600WL	THJK626600WL		TJK626T500		
600	1800	6000	TJK626600WL	THJK626600WL	TJK636F000 Standard Frame	TJK626T600	TCAL63	(2) 4/0-350 Cu or (2) 300-500 Al
250	750	2500	TJK636250WL	THJK636250WL		TJK636T250		
300	900	3000	TJK636300WL	THJK636300WL		TJK636T300		
350	1050	3500	TJK636350WL	THJK636350WL	THJK636F000 Hi-Break Frame	TJK636T350	TCAL63	(2) 4/0-350 Cu or (2) 300-500 Al
400	1200	4000	TJK636400WL	THJK636400WL		TJK636T400		
450	1350	4500	TJK636450WL	THJK636450WL		TJK636T450		
500	1500	5000	TJK636500WL	THJK636500WL	TJK636TM1600 ³	TJK636T500	TCAL63	(2) 4/0-350 Cu or (2) 300-500 Al
600	1800	6000	TJK636600WL	THJK636600WL		TJK636T600		
Mag Only	1800	6000	–	–		TJK636TM2600 ³		

¹For optional lugs, see page 6-106.

²Alternate lug for 750 kcmil Cu/Al cable, Product Number TCAL47

³Not UL listed.

Accessories: See pages 6-39 to 6-44 and 6-97 to 6-109.

J600 Reference Publications

Mechanical Interlock	GEH-3033
Trip Unit	GEH-3035
Bell Alarm	GEH-3320
Auxiliary Switch	GEH-3321
Three Coil Shunt Trip	GEH-3346
Shunt Trip	GEH-3435
TDR Operating Mechanism	GEH-3450
Plug-in Mounting Base	GEH-4342
Motor Operator	GEH-4676
TDM Operating Mechanism	GEH-5023
STDA Flange Handle	GEH-5314
STDA Operating Mechanism	GEH-5318
Undervoltage Release	GEH-5407
J600 Outline Drawing	455C564SH1

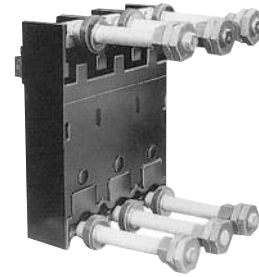


Molded Case Circuit Breakers

External Accessories

Lugs and Associated Hardware

Section 6



Breaker with Line and Load Studs

Lugs, Line Shields, Covers and Bus Connectors

Accessory	Wire Range	For Use With	Product Number	Description	
Copper-Aluminum Lugs	(1) #14-6 Cu, #12-2 Al	TQC (15-60A) (Non DIN Rail)	TQAL3	Single Lug	
	(1) #4-1/0 Cu-Al	TQC (70-100A)	TQAL4	Single Lug	
	(1) #4-300 kcmil Cu-Al		TQD	TCAL25	Single Lug
				TCALK325	3-Lug Kit
	(1) #14-8	E150, THLC1, TB1, (15-30A)	TCAL14	Single Lug	
	(1) #14-3 Cu, #12-1 Al	E150, THLC1, TB1, (15-60A)	TCAL12	Single Lug	
	(1) #6-2/0 Cu, #4-2/0 Al	E150, THLC1, TB1, (70-90A)	TCAL12A	Single Lug	
	(1) #3-3/0 Cu, #1-3/0 Al	E150, THLC1, TB1, (100-150A)	TCAL15	Single Lug	
	(1) #4-300 kcmil Cu-Al		F225	TCAL24	Single Lug
				TCALK324	3-Lug Kit
	(1) 6-600 kcmil or (2) 2/0-250 kcmil Cu-Al	J400, TB4, J600 (Thru 400A), TJD	TCAL43	Single Lug	
	(2) 4/0-350 kcmil Cu or (2) 300-500 kcmil Al	J600 (450-600A)	TCAL63	Single Lug	
			TCALK363	3-Lug Kit	
	(1) 750 kcmil Cu-Al	J400 TJD	TCAL47	Single Lug	
	(1) 3/0-500 kcmil or (2) 3/0-250 kcmil Cu-Al	TLB4, THLC4	TCLK43	Single Lug	
	(2) 1/0-250 kcmil or (1) #4-600 kcmil Cu-Al	K1200, TB6 (300-400A)	TCAL41	Single Lug	
	(2) 2/0-500 kcmil Cu-A	K1200, TB6 (300-600A)	TCAL61	Single Lug	
			TCALK261	2-Lug Kit w/ Wrench	
			TCALK361	3-Lug Kit w/ Wrench	
	(3) 3/0-500 kcmil Cu-Al	K1200, TB8 (600-800A)	TCAL81 ¹	Single Lug	
			TCALK281 ¹	2-Lug Kit w/ Wrench	
			TCALK381 ¹	3-Lug Kit w/ Wrench	
	(3) 3/0-500 kcmil Cu-Al	TK4V - Load end	TCAL91 ¹	Single Lug	
			TCALK291 ¹	2-Lug Kit w/ Wrench	
			TCALK391 ¹	3-Lug Kit w/ Wrench	
	(4) 250-350 kcmil Cu or (4) 250-500 kcmil Al	K1200 (1000-1200A)	TCAL121 ²	Single Lug	
			TCALK2121 ²	2-Lug Kit w/ Wrench	
TCALK3121 ²			3-Lug Kit w/ Wrench		
TCAL122 ³			Single Lug		
(3) 750 kcmil Cu-Al	K1200 (1200A)	TCALK2122 ³	2-Lug Kit w/ Wrench		
		TCALK3122 ³	3-Lug Kit w/ Wrench		
		TCAL131 ²	Single Lug		
Copper Only Lugs With Follower and Extra Plating	#14-2/0	E150, TB1 (thru 150A)	TC012	Single Lug	
	#4-300 kcmil Cu	TFJ (250A)	TC024	Single Lug	
	(1) 6-600 kcmil or (2) 1/0-250 kcmil Cu	J400, TB4	TC043	Single Lug	
			TC063	Single Lug	
	(1) 1/0-600 kcmil or (2) 1/0-250 kcmil Cu	K1200, TB6 (300-400A)	TC041 ⁴	Single Lug	
			TC061	Single Lug	
	(2) 2/0-500 kcmil Cu	K1200, TB6, (300-600A)	TC081A	Single Lug	
	(3) 3/0-500 kcmil Cu	K1200, TB8 (600-800A)	TC081A	Single Lug	
	(3) 3/0-500 kcmil Cu	TK4V - Load end	TC091	Single Lug	
	(4) 250-400 kcmil Cu	K1200 (1000-1200A)	TC0121	Single Lug	
	(4) 250-400 kcmil Cu	TK4V - Load end	TC0131	Single Lug	
	Line Shield		TEB, TEC, TED, THED	TEDLS	
			TFJ, TFK, TFC	TFKLS	
TJJ, TJK, TJC			TJKLS		
Lug Cover, TKM Breaker (two per breaker)		TC061, TCAL61, TCAL81 Lugs, TC081A	789A448G1		
		TC0121, TCAL121 Lugs	789A448G2		
Connector (back strap)		TKM	TKMC1		
Line voltage control wire kit for terminating control wire at breaker lugs		K1200	SKLVK ⁶		

¹Not suitable for 100 A aluminum conductor.

²Suitable for 500 kcmil copper for voltage drop considerations.

³Not UL listed, requires user supplied lug cover.

⁴Not UL listed.

⁵End cover supplied with 800A frame is used as lug cover.

⁶3-pole kit.

