

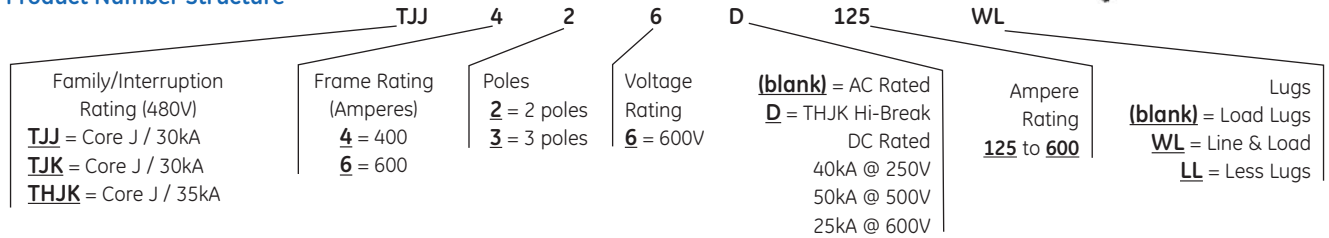
# Molded Case Circuit Breakers

## Industrial Circuit Breakers

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



### Product Number Structure



Note: This information is provided for interpreting product numbers (it should not be used to build product numbers).

### Type TJJ Noninterchangeable Trip, includes Cu/Al Line and Load Lugs, suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Frame		Terminal Lugs for Front Connection (Cu/Al)	
	Low	High	2-Pole, 400 Ampere Frame 600 Vac, 250 Vdc	3-Pole, 400 Ampere Frame 600 Vac	Copper/ Aluminum Lugs	Wire Size
			Product Number	Product Number		
125	375	1250	TJJ426125WL	TJJ436125WL	TCAL43 <sup>3</sup> Included in price of breaker	(1) 6-600 or (2) 2/0-250 Cu/Al
150	450	1500	TJJ426150WL	TJJ436150WL		
175	525	1750	TJJ426175WL	TJJ436175WL		
200	600	2000	TJJ426200WL	TJJ436200WL		
225	675	2250	TJJ426225WL	TJJ436225WL		
250	750	2500	TJJ426250WL	TJJ436250WL		
300	900	3000	TJJ426300WL	TJJ436300WL		
350	1050	3500	TJJ426350WL	TJJ436350WL		
400	1200	4000	TJJ426400WL	TJJ436400WL		

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

Ampere Rating	Adjustable Instantaneous Trip Ampere Range			Standard Product Number	Complete Circuit Breaker Includes Line and Load Lugs			Terminal Lugs for Front Connection (Cu/Al) <sup>1</sup>	
	Low	High	Hi-Break Product Number		Frame Only Product Number	Trip Unit Only. Use with Standard and Hi-Break Frames	Product Number (Order 2 per pole)	Wire Size	
<b>400A Frame—Two-Pole</b>									
125	375	1250	TJK426125WL	THJK426125WL	TJK426F000 Standard Frame	TJK426T125	TCAL43 <sup>3</sup>	(1) 6-600 or (2) 2/0-250 Cu/Al	
150	450	1500	TJK426150WL	THJK426150WL		TJK426T150			
175	525	1750	TJK426175WL	THJK426175WL		TJK426T175			
200	600	2000	TJK426200WL	THJK426200WL		TJK426T200			
225	675	2250	TJK426225WL	THJK426225WL		TJK426T225			
250	750	2500	TJK426250WL	THJK426250WL		TJK426T250			
300	900	3000	TJK426300WL	THJK426300WL		TJK426T300			
350	1050	3500	TJK426350WL	THJK426350WL		TJK426T350			
400	1200	4000	TJK426400WL	THJK426400WL		TJK426T400			
<b>400A Frame—Three-Pole</b>									
125	375	1250	TJK436125WL	THJK436125WL	TJK436F000 Standard Frame	TJK436T125	TCAL43 <sup>3</sup>	(1) 6-600 or (2) 2/0-250 Cu/Al	
150	450	1500	TJK436150WL	THJK436150WL		TJK436T150			
175	525	1750	TJK436175WL	THJK436175WL		TJK436T175			
200	600	2000	TJK436200WL	THJK436200WL		TJK436T200			
225	675	2250	TJK436225WL	THJK436225WL		TJK436T225			
250	750	2500	TJK436250WL	THJK436250WL		TJK436T250			
300	900	3000	TJK436300WL	THJK436300WL		TJK436T300			
350	1050	3500	TJK436350WL	THJK436350WL		TJK436T350			
400	1200	4000	TJK436400WL	THJK436400WL		TJK436T400			
400	600	2000	—	—		TJK436TM1400 <sup>2</sup>			
Mag	1200	4000	—	—	TJK436TM2400 <sup>2</sup>				
Only	350	1000	—	—	TJK436TM3400 <sup>2</sup>				

<sup>1</sup>For optional lugs, see page 6-106.

<sup>2</sup>Not UL listed.

<sup>3</sup>Alternate lug for 750 kcmil Cu/Al cable, Product Number TCAL47.

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



# 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					
<b>400A Frame – Three-Pole</b>							
125	375	1250	THJK436D125WL	THJK436D000	TJK436T125	TCAL43 <sup>3</sup>	(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		
<b>600A Frame – Three-Pole</b>							
250	750	2500	THJK636D250WL	THJK636D000	TJK636T250	TCAL43 <sup>3</sup>	(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) <sup>1</sup>	
	Low	High	Standard Product Number	Hi-Break Product Number			Product Number (Order 2 per pole)	Wire Size
<b>600A Frame – Two-Pole</b>								
300	900	3000	TJK626300WL	THJK626300WL	TJK626F000 Standard Frame	TJK626T300	TCAL43 <sup>2</sup>	(1) 6-600 or (2) 2/0-250 Cu/Al
350	1050	3500	TJK626350WL	THJK626350WL		TJK626T350		
400	1200	4000	TJK626400WL	THJK626400WL		TJK626T400		
450	1350	4500	TJK626450WL	THJK626450WL	THJK626F000 Hi-Break Frame	TJK626T450	TCAL63	(2) 4/0-350 Cu or (2) 300-500 Al
500	1500	5000	TJK626500WL	THJK626500WL		TJK626T500		
600	1800	6000	TJK626600WL	THJK626600WL		TJK626T600		
<b>600A Frame – Three-Pole</b>								
300	900	3000	TJK636300WL	THJK636300WL	TJK636F000 Standard Frame	TJK636T300	TCAL43 <sup>2</sup>	(1) 6-600 or (2) 2/0-250 Cu/Al
350	1050	3500	TJK636350WL	THJK636350WL		TJK636T350		
400	1200	4000	TJK636400WL	THJK636400WL		TJK636T400		
450	1350	4500	TJK636450WL	THJK636450WL		TJK636T450		
500	1500	5000	TJK636500WL	THJK636500WL	THJK636F000 Hi-Break Frame	TJK636T500	TCAL63	(2) 4/0-350 Cu or (2) 300-500 Al
600	1800	600	TJK636600WL	THJK636600WL		TJK636T600		
600	6000	2000	–	–		TJK636TM1600 <sup>3</sup>		
Mag Only	1800	6000	–	–		TJK636TM2600 <sup>3</sup>		

<sup>1</sup>For optional lugs, see page 6-106.

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

<sup>3</sup>Not 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

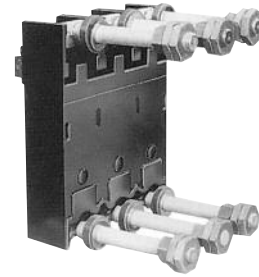


# Molded Case Circuit Breakers

## 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 <sup>1</sup>	Single Lug
				TCALK281 <sup>1</sup>	2-Lug Kit w/ Wrench
				TCALK381 <sup>1</sup>	3-Lug Kit w/ Wrench
	(3) 3/0-500 kcmil Cu-Al	TK4V - Load end		TCAL91 <sup>1</sup>	Single Lug
				TCALK291 <sup>1</sup>	2-Lug Kit w/ Wrench
				TCALK391 <sup>1</sup>	3-Lug Kit w/ Wrench
	(4) 250-350 kcmil Cu or (4) 250-500 kcmil Al	K1200 (1000-1200A)		TCAL121 <sup>2</sup>	Single Lug
				TCALK2121 <sup>2</sup>	2-Lug Kit w/ Wrench
TCALK3121 <sup>2</sup>				3-Lug Kit w/ Wrench	
(3) 750 kcmil Cu-Al	K1200 (1200A)		TCAL122 <sup>3</sup>	Single Lug	
			TCALK2122 <sup>3</sup>	2-Lug Kit w/ Wrench	
			TCALK3122 <sup>3</sup>	3-Lug Kit w/ Wrench	
(4) 250-350 kcmil Cu or (4) 250-500 kcmil Al	TK4V - Load end	TCAL131 <sup>2</sup>	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	
	(2) 250-350 kcmil Cu	J600	TC063	Single Lug	
	(1) 1/0-600 kcmil or (2) 1/0-250 kcmil Cu	K1200, TB6 (300-400A)	TC041 <sup>4</sup>	Single Lug	
	(2) 2/0-500 kcmil Cu	K1200, TB6, (300-600A)	TC061	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 <sup>6</sup>		

<sup>1</sup>Not suitable for 100 A aluminum conductor.

<sup>2</sup>Suitable for 500 kcmil copper for voltage drop considerations.

<sup>3</sup>Not UL listed, requires user supplied lug cover.

<sup>4</sup>Not UL listed.

<sup>5</sup>End cover supplied with 800A frame is used as lug cover.

<sup>6</sup>3-pole kit.

