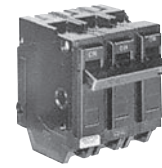
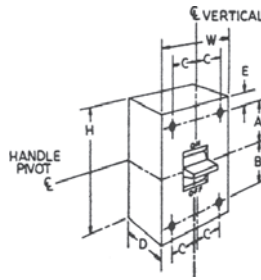


## Quick Reference Guide

Ratings do not apply to molded case switches.

The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the left-hand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.



THQL 32015

## Q-Line (UL file E-11592; Fixed Thermal Magnetic Trip Unit)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings—rms Symmetrical kA								Dimensions (in.)							Std. Pack	
					Vac						Vdc		H	W	D	A	B	C	E		
					120	120/240	240	277	480	600	125	250									
TQ	15-50	1	120/240	—	—	10	—	—	—	—	—	—	3	3/4	2 3/8	—	—	—	—	10	
	15-60	2	120/240	—	—	10	—	—	—	—	—	—	3	1 1/2	2 3/8	—	—	—	—	5	
THQP <sup>1</sup>	15-50	1	120/240	—	—	10	—	—	—	—	—	—	3	9/32	1/2	2 3/8	—	—	—	—	100
		2												1	50						
TQL/TQB/ TQC	10	1	120/240	—	—	5 <sup>2</sup>	—	—	—	—	—	—	3	9/32	1	2 3/8	—	—	—	—	50
		2												2	25						
		3												3	15						
THQL <sup>1</sup> THQB <sup>1</sup> THQC <sup>1</sup>	15-70	1	120/240	—	—	10	—	—	—	—	—	—	3	9/32	1	2 3/8	—	—	—	—	50
	15-125	2												2	25						
	15-100	3												3	15						
THHQB <sup>1</sup> THHQC <sup>1</sup>	15-70	1	120/240	—	—	22	—	—	—	—	—	—	3	9/32	1	2 3/8	—	—	—	—	50
	15-100	2												2	25						
	3	3												15							
THHQL <sup>1</sup>	15-70	1	120/240	—	—	22	—	—	—	—	—	—	3	9/32	1	2 3/8	—	—	—	—	50
	15-125	2												2	25						
	15-100	3												3	15						
TXQL <sup>1</sup> TXQB <sup>1</sup> TXQC <sup>1</sup>	15-30	1	120/240	—	—	65	—	—	—	—	—	—	3	9/32	1	2 3/8	—	—	—	—	50
		2												2	25						
		3												3	15						
TQDL	125-200	2	120/240	—	—	10	—	—	—	—	—	—	6 1/16	2	2 3/8	—	—	—	—	12	
THQDL	125-200	2	120/240	—	—	22	—	—	—	—	—	—	6 1/16	2	2 3/8	—	—	—	—	12	
TQD <sup>1</sup>	100-225	2	240	—	—	10	10	—	—	—	—	—	6	9/16	2 3/4	2 5/8	2 7/16	2 7/16	—	27/32	1
	100-225	3												4 1/8	11/16						1
THQD <sup>1</sup>	100-225	2	240	—	—	22	22	—	—	—	—	—	6	9/16	2 3/4	2 5/8	2 7/16	2 7/16	—	27/32	1
	100-225	3												4 1/8	11/16						1
TJD	250-400	2	240	—	—	22	22	—	—	—	—	—	10	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	1
		3																			240

### CB3 Ground Fault, Equipment Ground Fault and Arc Fault (UL File E-51075; Fixed Thermal Magnetic Trip Unit)

THQB THQC THQL ...GF, GFEP, AF	15-30	1	120	—	10	—	—	—	—	—	—	—	3	9/32	1	2 3/8	—	—	—	—	10
		2	120/240	—	—	1	—	—	—	—	—	—	—	3	9/32	2	2 3/8	—	—	—	—
THHQL ...GF THHQB ...GF AF	15-30	1	120	—	22	—	—	—	—	—	—	—	3	9/32	1	2 3/8	—	—	—	—	10

<sup>1</sup> UL listed as HACR (heating, air conditioning and refrigeration).

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



# Molded Case Circuit Breakers Industrial Circuit Breakers

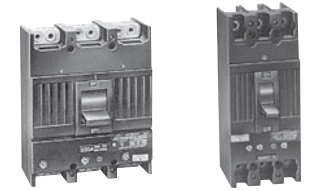
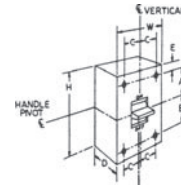
Page Updated 04 / 2011

### Quick Reference Guide

#### 10-1200A Circuit Breakers

#### Thermal Magnetic Trip

Ratings do not apply to molded case switches. The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the left-hand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.



TJJ, TJK, THJK TFJ, TFK, THFK

TEY and TEVF (UL File E-11592; Fixed Thermal Magnetic Trip Unit; CSA LR 57114)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings— kA												Dimensions (In.)						Approx. Ship Wt./Std. Pack	
			ac	dc	Vac						Vdc						H	W	D	A	B	C		E
					120	120/240	240	277	480	600	125	250	500 <sup>1</sup>	600										
TEV <sup>2,3</sup>	15-100	1	277	125	65	—	14	14	—	—	10	—	—	—	5 1/4	1	3 1/16	—	—	—	—	—	—	
		2	480/277	250	—	—	65	14	14 <sup>6</sup>	—	—	—	10	—		—								2
		3	—	—	—	—	—	—	—	—	—	—	—	—		3								
TEVF <sup>2,3</sup>	15-60	1	277	125	65	—	14	18	—	—	10	—	—	5 1/4	1	3 1/16	—	—	—	—	—	—		
	15-100	2	480/277	250	—	—	65	18	18 <sup>6</sup>	—	—	—	10		—								2	
		3	—	—	—	—	—	—	—	—	—	—	—		—								3	

E150 (UL File E-11592; Fixed Thermal Magnetic Trip Unit; CSA LR 57114)

TEB <sup>2,3</sup>	10-100 <sup>4</sup>	1	120	125	10	—	—	—	—	5	—	—	—	6 5/16	1 3/8	3 3/8	2 41/64	2 15/64	—	23/32	—	26 lb/24	
		2	240	250	—	—	10	—	—	—	—	5	—		—								2 3/4
		3	—	—	—	—	—	—	—	—	—	—	—		—								4 1/8
TED <sup>2,3</sup>	10-100 <sup>4</sup>	1	277,347 <sup>5</sup>	125	—	—	14	10	—	10	—	—	—	6 5/16	1 3/8	3 3/8	2 41/64	2 15/64	—	23/32	—	26 lb/24	
	10-150 <sup>4</sup>	2	480	250	—	—	18	—	18	—	—	10	—		2 3/4								
		3	480, 600	500	—	—	—	—	—	—	—	—	10		—								4 1/8
THED <sup>2,3</sup>	15-30	1	277,347 <sup>5</sup>	125	—	—	65	—	—	20 <sup>7</sup>	—	—	—	6 5/16	1 3/8	3 3/8	2 41/64	2 15/64	—	23/32	—	26 lb/24	
	15-100	2	480	250	—	—	65	—	—	—	20 <sup>7</sup>	—	—		4 1/8								
	15-100	3	600	500	—	—	65	—	25	—	—	—	—		—								
	110-150	3	600	500	—	—	42	—	18	—	—	10	—		—								11/16

F225 (UL File E-11592; TFJ, Fixed Thermal Magnetic Trip Unit; TFK, THFK: Interchangeable Thermal Mag. Trip Unit; CSA LR 40350)

TFJ <sup>2</sup>	70-225	2	480	250	—	—	25	—	22	—	10	—	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	—	10 lb/1
	70-250	3	600	500	—	—	—	—	—	18	—	10	—		12 lb/1							
TFK <sup>2</sup>	70-225	2	480	250	—	—	25	—	22	—	10	—	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	—	10 lb/1
	70-250	3	600	500	—	—	—	—	—	18	—	10	—		12 lb/1							
THFK <sup>2</sup>	70-225	2	480	250	—	—	65	—	25	—	10	—	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	—	10 lb/1
	70-250	3	600	500	—	—	—	—	—	18	—	10	—		12 lb/1							
TFL <sup>8</sup>	70-225	3	600	—	—	100	100	—	65	25	—	—	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	—	—

J600 (UL File E-11592; TJJ, Fixed Thermal Magnetic Trip Unit; TJK, THJK: Interchangeable Thermal Mag. Trip Unit; CSA LR 40350)

TJJ, TJK4	125-400	2	600	250	—	—	42	—	30	22	—	10	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	—	16 lb/1
		3	500	—	—	—	—	—	—	—	—	20	—		17 1/2 lb/1							
TJK6	250-600	2	600	250	—	—	42	—	30	22	—	10	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	—	18 lb/1
		3	500	—	—	—	—	—	—	—	—	20	—		20 lb/1							
THJK4	125-400	2	600	250	—	—	65	—	35	25	—	40	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	—	16 lb/1
		3	600	—	—	—	—	—	—	—	—	40	20		—							
THJK6	250-600	2	600	250	—	—	65	—	35	25	—	40	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	—	18 lb/1
		3	600	—	—	—	—	—	—	—	—	40	50		25							

K1200 (UL File E-11592; Interchangeable Thermal Magnetic Trip Unit; CSA LR 40350)

TKM8	300-800	2	600	250	—	—	42	—	30	22	—	10	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	—	33 lb/1
		3	500	—	—	—	—	—	—	—	—	20	22		—							
TKM12	600-1200	2	600	—	—	—	42	—	30	22	—	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	—	38 lb/1
		3	—	—	—	—	—	—	—	—	—	—	—		—							
THKM8	300-800	2	600	250	—	—	65	—	35	25	—	40	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	—	33 lb/1
		3	—	—	—	—	—	—	—	—	—	40	22		—							
THKM12	600-1200	2	600	—	—	—	65	—	35	25	—	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	—	38 lb/1
		3	—	—	—	—	—	—	—	—	—	—	—		—							

<sup>1</sup> UL listed with poles in series for 500 Vdc ungrounded battery applications.

<sup>2</sup> UL listed as HACR (heating, air conditioning, and refrigeration).

<sup>3</sup> UL listed as HID (high intensity discharge).

<sup>4</sup> 10 amp not UL listed, rated 5kA @ 120V, 240V and 480V.

<sup>5</sup> UL listed/CSA Certified for 10kA @ 347 Vac (TED) and 18kA @ 347V (THED). Also rated 10kA @ 480V but not UL listed.

<sup>6</sup> 480V/277 Vac.

<sup>7</sup> UL listed at 10,000 amps

<sup>8</sup> No longer available



# Molded Case Circuit Breakers Industrial Circuit Breakers

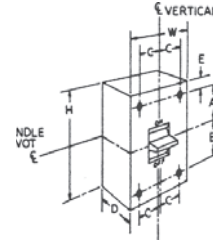
## Section 3

### Quick Reference Guide

#### 15-1200A Circuit Breakers

#### Electric Trip Spectra® RMS Breakers

Ratings do not apply to molded case switches. The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the left-hand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.



SE 150

### Spectra® RMS Circuit Breakers UL/CSA Ratings

Solid-State with Interchangeable Trip Unit (Rating Plug)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Vac	UL Listed Interrupting Rating—kA			Dimensions Inches (mm)							Approx. Ship Wt./Std. Pack
				240 Vac	480 Vac	600 Vac	H	W	D	A	B	C	E	
<b>SE150 Current Limiting (UL File No. E-11592; CSA LR 40350)<sup>1</sup></b>														
SED <sup>2,3</sup>	15-150	2	480	18	18	—	6.31 (160)	4.12 (105)	3.38 (86)	2.41 (61)	2.47 (63)	.69 (18)	.72 (18)	5.65 lb/1
		3	600											
SEH <sup>2</sup>	2	480	100	65	—									
	3	600				200								
SEL	15-150	2	480	100	65									
		3	600			25								
SEP	15-150	2	480	200	100		—							
		3	600			25		—						
<b>SF-250 Current Limiting (UL File No. E-11592; CSA LR 40350)<sup>1</sup></b>														
SFH <sup>2</sup>	70-250	2	480	65	35	—	10.12 (257)	4.12 (105)	3.81 (97)	3.87 (98)	3.87 (98)	.69 (18)	1.19 (30)	9.15 lb/1
		3	600											
SFL	70-250	2	480	100	65	—								
		3	600											
SFP	70-250	2	480	200	100	—								
		3	600											
<b>SG600 Current Limiting (UL File No. E-11592; CSA LR 40350)<sup>1,4</sup></b>														
SGH1 <sup>2,5</sup>	60-150	3	600	65	35	25	10.09 (256) 6	5.50 (140)	3.81 (97)	4.45 (113)	3.30 (84)	.91 (23)	1.18 (30) 6	15.85 lb/1
SGD <sup>2</sup>	125-400	2	240	65	—	—								
		3	600	65	35	25								
SGH4 <sup>2</sup>	125-400	2	600											
		3	600											
SGH6 <sup>2</sup>	250-600	2	600	65	35	25								
		3	600											
SGL1 <sup>5</sup>	60-150	3	600	100	65	65								
SGP1 <sup>5</sup>		3	600	200	100	65								
SGL4	125-400	2	600	100	65	65								
		3	600											
SGP4	125-400	2	600	200	100	65								
		3	600											
SGL6	250-600	2	600	100	65	65								
		3	600											
SGP6	250-600	2	600	200	100	65								
		3	600											
<b>SK1200 (UL File No. E-11592; CSA LR 40350)<sup>1,4</sup></b>														
SKH8	300-800	2	600	65	50	25	15.50 (394) 7	8.25 (210)	5.50 (140)	8.56 (217)	5.69 (145)	1.38 (35)	.62 (16) 7	47.6 lb/1
		3	600	100	65	42								
SKL8	300-800	2	600											
		3	600											
SKP8	300-800	2	600	200	100	65								
		3	600											
SKH12	600-1200	2	600	65	50	25								
		3	600											
SKL12	600-1200	2	600	100	65	42								
		3	600											
SKP12	600-1200	2	600	200	100	65								
		3	600											

<sup>1</sup> UL listed as HACR (heating, air conditioning and refrigeration).

<sup>2</sup> Not current-limiting circuit breaker.

<sup>3</sup> UL listed as HID (high intensity discharge).

<sup>4</sup> Includes *microEntelliGuard*™, *MicroVersaTrip*® Plus and *MicroVersaTrip*® PM Trip Units.

<sup>5</sup> *microEntelliGuard*™, *MicroVersaTrip*® Plus and *MicroVersaTrip*® PM Trip Units only.

<sup>6</sup> Add 1.76 inches (45 mm) to each end with lugs and lug cover installed.

<sup>7</sup> Add 4.00 inches (101 mm) to upper end for SKP (100 kAIC-480V) lug cover.



# Molded Case Circuit Breakers Industrial Circuit Breakers

### Quick Reference Guide

#### 15-1200A Circuit Breakers

#### Electric Trip Spectra® RMS Breakers

Ratings do not apply to molded case switches

### IEC/JIS Ratings

Solid-State with Interchangeable Trip Unit (Rating Plug)

Circuit Breaker Type	Ampere Rating	No. Poles	IEC 947-2 Interruption Capacity — kA								Japanese Industry Standard Interruption Capacity kA			
			220-240 Vac		380-415 Vac		500 Vac		690 Vac		Vac			
			I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	I <sub>cu</sub>	I <sub>cs</sub>	220-240	380-415	500	690
<b>SE150 Current Limiting, 15-32A</b>														
SED	15-32	2	18	9	10	5	—	—	—	—	18	10	—	—
		3					4	4					4	
SEH	15-32	2	65	33	15	10	—	—	—	—	65	15	—	—
		3					6	6					6	
SEL	15-32	2	100	50	20	15	—	—	—	—	100	20	—	—
		3					8	8					3	
SEP	15-32	2	200	100	20	20	—	—	—	—	200	20	—	—
		3					10	10					5	
<b>SE150 Current Limiting, 40-160A</b>														
SED	40-160	2	18	9	14	7	—	—	—	—	18	14	—	—
		3					14	7					14	
SEH	40-160	2	65	33	35	17	—	—	—	—	65	25	—	—
		3					25	12					18	
SEL	40-160	2	100	50	65	33	—	—	—	—	100	65	—	—
		3					40	20					5	
SEP	40-160	2	200	100	100	50	—	—	—	—	200	100	—	—
		3					50	25					10	
<b>SF250 Current Limiting</b>														
SFH	70-250	2	65	33	35	17	—	—	—	—	65	25	—	—
		3					25	12					18	
SFL	70-250	2	100	50	65	33	—	—	—	—	100	65	—	—
		3					40	20					14	
SFP	70-250	2	200	100	100	50	—	—	—	—	200	100	—	—
		3					65	33					18	
<b>SG600 Current Limiting</b>														
SGH1 <sup>1</sup>	60-150	3	65	33	25	13	18	9	—	—	65	25	18	—
SGL1 <sup>1</sup>			100	50	65	33	35	18	14	7	100	65	35	22
SGP1 <sup>1</sup>			200	100	100	50	50	25	18	9	200	100	65	35
SGH4	125-400	2	65	33	25	13	—	—	—	—	65	25	—	—
		3					18	9					18	
SGL4	125-400	2	100	50	65	33	—	—	—	—	100	65	—	—
		3					35	18					14	
SGP4	125-400	2	200	100	100	50	—	—	—	—	200	100	—	—
		3					50	25					18	
SGH6	250-600	2	65	33	25	13	—	—	—	—	65	25	—	—
		3					18	9					18	
SGL6	250-600	2	100	50	65	33	—	—	—	—	100	65	—	—
		3					35	18					14	
SGP6	250-600	2	200	100	100	50	—	—	—	—	200	100	—	—
		3					50	25					18	
<b>SK1200</b>														
SKH8	300-800	2	65	16	50	13	25	13	—	—	65	50	25	—
		3					42	21	14	14	100	65	42	14
SKL8	300-800	2	100	25	65	16	42	21	14	14	100	65	42	14
		3					140	35	85	25	50	25	18	18
SKP8	300-800	2	140	35	85	25	50	25	18	18	140	85	50	18
		3					140	35	85	25	50	25	18	18
SKH12	600-1250	2	65	16	50	13	25	13	—	—	65	50	25	—
		3					42	21	14	14	100	65	42	14
SKL12	600-1250	2	100	25	65	21	42	16	14	14	100	65	42	14
		3					140	35	70	25	50	25	18	18
SKP12	600-1250	2	140	35	70	25	50	25	18	18	140	85	50	18
		3					140	35	70	25	50	25	18	18

<sup>1</sup>microEntelliGuard™, MicroVersaTrip® Plus, and MicroVersaTrip® PM Trip Units only.



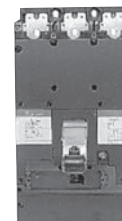
SE



SF



SG

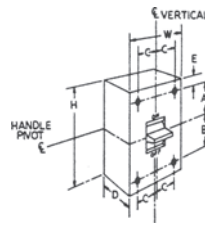


SK



## Quick Reference Guide

Ratings do not apply to molded case switches. The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the left-hand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.



TJC



TJL6S

### Tri-Break (UL File E-42263; Integrally Fused, Thermal Magnetic Trip Unit)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings—rms Symmetrical Amps (In Thousands)								Dimensions (In.)							Approx. Ship Wt./Std. Pack
			ac	dc	Vac						Vdc		H	W	D	A	B	C	E	
					120	120/240	240	277	480	600	125	250								
TB1 <sup>1,2</sup>	15-100	3	600	—	—	—	200	—	200	200	—	—	10 5/16	4 1/8	3 5/8	2 21/32	6 9/32	11/16	23/32	8 lb/1
TB4 <sup>1,3,9</sup>	125-400	3	600	—	—	—	200	—	200	200	—	—	16 1/8	8 1/4	4 1/2	3 15/16	9 13/16	1 3/8	1 3/16	31 lb/1 33 lb/1
TB6 <sup>1,3</sup>	300-600	3	600	—	—	—	200	—	200	200	—	—	21 7/8	8 1/4	5 7/8	8 9/16	12 1/16	1 3/8	5/8	53 lb/1 55 lb/1
TB8 <sup>1,3</sup>	600-800	3	600	—	—	—	200	—	200	100	—	—	21 7/8	8 1/4	5 7/8	8 9/16	12 1/16	1 3/8	5/8	53 lb/1 55 lb/1

### Mag-Break (UL Files E-11592, E-66390; Magnetic Trip Unit)<sup>4</sup>

TEC	3-150	2	480	250	—	—	10	—	10	10	—	10	6 5/16	4 1/8	3 3/8	2 41/64	2 15/64	11/16	23/32	21 lb/6
		3	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TEML <sup>5</sup>	3-150	3	600	250	—	—	100	—	65	25	—	—	6 5/16	4 1/8	3 7/8	2 41/64	2 15/64	11/16	23/32	3 1/2 lb/1
TEC & TECL <sup>6</sup>	3-150	3	600	—	—	—	100	—	100	100	—	—	8 3/16	4 1/8	3 3/8	2 41/64	2 15/64	11/16	23/32	1.2 lb/1 TECL Only
TFC	225	3	600	—	—	—	25	—	22	18	—	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	10 lb/1 12 lb/1
TBC4 <sup>9</sup>	225-400	3	600	—	—	—	100	—	100	100	—	—	16 1/8	8 1/4	4 1/2	3 15/16	9 13/16	1 3/8	1 3/16	31 lb/1 33 lb/1
TJC	400-600	3	600	—	—	—	42	—	30	22	—	—	10 1/8	8 1/4	3 13/16	3 13/16	3 13/16	1 3/8	1 3/16	16 lb/1 17 1/2/1
TBC6	600	3	600	—	—	—	100	—	100	100	—	—	21 7/8	8 1/4	5 7/8	8 9/16	12 1/16	1 3/8	5/8	53 lb/1 55 lb/1
TKC	800-1200	3	600	—	—	—	42	—	30	22	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	38 lb/1 41 1/2/1
TBC8	800	3	600	—	—	—	100	—	100	100	—	—	21 7/8	8 1/4	5 7/8	8 9/16	12 1/16	1 3/8	5/8	53 lb/1 55 lb/1

### MicroVersaTrip (UL File E-11592; Solid-State Trip Units)<sup>10</sup>

TJ4V <sup>7,8</sup>	150-600	3	600	—	—	42	42	—	30	22	—	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	—
THJ4V <sup>7,8</sup>						65	65	—	35	25										
TJL4V <sup>7</sup>						100	100	—	65	30										
TK4V <sup>7</sup>	800-1200	3	600	—	—	42	42	—	30	22	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	—
TKL4V <sup>7</sup>	800-1200	3	600	—	—	100	100	—	65	42	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	—
TJH1S-6S	60-600	3	600	—	—	65	65	—	35	25	—	—	16 1/8	8 1/4	3 13/16	3 15/16	9 13/16	1 3/8	1 3/16	—
TJL1S-6S	60-600	3	600	—	—	100	100	—	65	30	—	—	16 1/8	8 1/4	3 13/16	3 15/16	9 13/16	1 3/8	1 3/16	—
TKH8S, 12S	300-1200	3	600	—	—	65	65	—	50	25	—	—	21 7/8	8 1/4	5 1/2	8 9/16	12 11/16	1 3/8	5/8	—
TKL8S, 12S	300-1200	3	600	—	—	100	100	—	65	42	—	—	21 7/8	8 1/4	5 1/2	8 9/16	12 11/16	1 3/8	5/8	—

<sup>1</sup> UL listed with internally mounted accessories at 100,000 amps IC. Contact GE Sales Office for availability of 200 kAIC ratings with internal accessories.

<sup>2</sup> CSA LR 57114.

<sup>3</sup> CSA LR 40350.

<sup>4</sup> Per UL 489, interrupting capacities are not shown on product label.

<sup>5</sup> Discontinued.

<sup>6</sup> Ratings shown for TEC in combination with TECL.

<sup>7</sup> With Power+ 4 trip unit.

<sup>8</sup> Suitable for single-phase, use outer two poles.

<sup>9</sup> No longer available.

<sup>10</sup> Limited availability through Parts Super Center.



# Molded Case Circuit Breakers Industrial Circuit Breakers

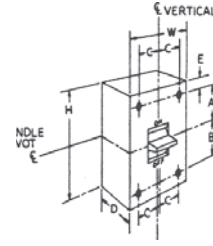
Page Updated 12 / 2011

## Section 3

### Quick Reference Guide

#### 15-600A Record Plus® Circuit Breakers

The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the left-hand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.



FG 600

### Ratings

#### FC 100 Amp Frame; Current Limiting (UL File No. E-11592)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings - rms Symmetrical Amperes (in Thousands)					IEC Listed Interrupting Ratings, Icu, Amperes (in Thousands)					Dimensions in. (mm.)			Approx. Ship Wt./Std. Pack
			AC	DC	Vac			Vdc		Vac			Vdc		H	W	D	
					240	480	600/347	250 (2p)	500 (3p)	220-240	400-415	500	250 (2p)	500 (3p)				
FCS	15-100	2, 3	600	500	42	25	18	22	30	36	22	14	22	30	6.4 (162.6)	3.0 (76.2)	3.2 (81.3)	2.5 lb/1
FCV	15-100	2, 3	600	500	65	35	22	25	35	50	30	18	25	35	6.4 (162.6)	3.0 (76.2)	3.2 (81.3)	2.5 lb/1
FCN	15-100	2, 3	600	500	150	65	25	30	42	85	50	22	30	42	6.4 (162.6)	3.0 (76.2)	3.2 (81.3)	2.5 lb/1
FCH	15-100	2, 3	600	500	200	100	35	42	65	100	80	36	42	65	6.4 (162.6)	3.0 (76.2)	3.2 (81.3)	2.5 lb/1
FCL	15-100	2, 3	600	500	200	150	42	65	80	200	150	50	65	80	6.4 (162.6)	3.0 (76.2)	3.2 (81.3)	2.5 lb/1

#### FB 100 Amp Frame; Current Limiting (UL File No. E-11592)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings - rms Symmetrical Amperes (in Thousands)					Dimensions in. (mm.)			Approx. Ship Wt./Std. Pack
			AC	DC	Vac			Vdc		H	W	D	
					240	277	347	480	600/347				
FBV	15-100	1	600/347	—	35	35	22	—	—	6.45 (163.8)	1.36 (34.5)	3.28 (83.3)	1.1 lb/1
		2	600/347	—	65	—	—	35	22	6.45 (163.8)	2.74 (69.6)	3.28 (83.3)	2.6 lb/1
		3	600/347	—	65	—	—	35	22	6.45 (163.8)	4.11 (104.4)	3.28 (83.3)	3.3 lb/1
FBN	15-100	1	600/347	—	65	65	25	—	—	6.45 (163.8)	1.36 (34.5)	3.28 (83.3)	1.1 lb/1
		2	600/347	—	150	—	—	65	25	6.45 (163.8)	2.74 (69.6)	3.28 (83.3)	2.6 lb/1
		3	600/347	—	150	—	—	65	25	6.45 (163.8)	4.11 (104.4)	3.28 (83.3)	3.3 lb/1
FBH	15-100	1	600/347	—	100	100	35	—	—	6.45 (163.8)	1.36 (34.5)	3.28 (83.3)	1.1 lb/1
		2	600/347	—	200	—	—	100	35	6.45 (163.8)	2.74 (69.6)	3.28 (83.3)	2.6 lb/1
		3	600/347	—	200	—	—	100	35	6.45 (163.8)	4.11 (104.4)	3.28 (83.3)	3.3 lb/1
FBL	15-100	1	600/347	—	100	100	42	—	—	6.45 (163.8)	1.36 (34.5)	3.28 (83.3)	1.1 lb/1
		2	600/347	—	200	—	—	150	42	6.45 (163.8)	2.74 (69.6)	3.28 (83.3)	2.6 lb/1
		3	600/347	—	200	—	—	150	42	6.45 (163.8)	4.11 (104.4)	3.28 (83.3)	3.3 lb/1

#### FE 250 Amp Frame; Current Limiting (UL File No. E-11592)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings - rms Symmetrical Amperes (in Thousands)			Dimensions in. (mm.)			Approx. Ship Wt./Std. Pack
			AC	DC	Vac			H	W	D	
					240	480	600				
FEN	250	2	480	-	150	65	-	6.70 (170.1)	4.11 (104.4)	3.52 (89.5)	4.5 lb/1
FEN	250	3	480	-	150	65	-	6.70 (170.1)	4.11 (104.4)	3.52 (89.5)	4.5 lb/1
FEH	250	2	480	-	200	100	-	6.70 (170.1)	4.11 (104.4)	3.52 (89.5)	4.5 lb/1
FEH	250	3	480	-	200	100	-	6.70 (170.1)	4.11 (104.4)	3.52 (89.5)	4.5 lb/1

#### FG 600 Amp Frame; Current Limiting (UL File No. E-11592)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings - rms Symmetrical Amperes (in Thousands)			EN 60947-2 Interrupting Ratings, Icu, Amperes (in Thousands)			Dimensions in. (mm.)			Approx. Ship Wt./Std. Pack
			AC	DC	Vac			Vac			H	W	D	
					240	480	600	240	400-415	690				
FGN	250-600	2	600	—	150	65	25	—	—	—	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
		3	600	—	150	65	25	85	50	10	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
FGH	250-600	2	600	—	200	100	35	—	—	—	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
		3	600	—	200	100	35	100	80	22	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
FGL	250-600	2	600	—	200	150	42	—	—	—	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
		3	600	—	200	150	42	200	150	40	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
FGP	250-600	2	600	—	200	200	65	—	—	—	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
		3	600	—	200	200	65	—	—	—	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1

#### FG 600 Vdc Molded Case Switch (UL File No. E-57546)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		Maximum Short Circuit Withstand Rating <sup>1</sup> (kA rms symmetrical)	Dimensions in. (mm.)			Approx. Ship Wt./Std. Pack
			Vdc			H	W	D	
FGD	250-400	3	600		50	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	22 lb/1
FGH	250-400	3	600		65	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	23 lb/1
FGL	250-400	3	600		100	10.31 (262.0)	5.46 (138.7)	4.53 (115.0)	24 lb/1

<sup>1</sup>The maximum withstand rating is limited by the application to the value set forth in this table or the short circuit rating of the upstream fuse or circuit breaker, whichever is less. The upstream protective device must have an instantaneous trip function or element and its rated ampacity may not exceed the ampere rating of the switch.

