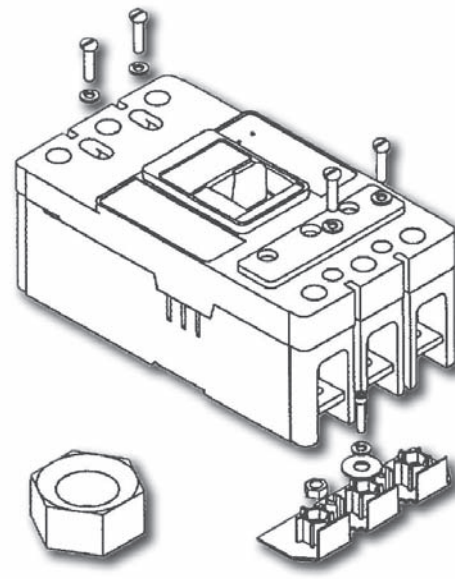
Instruction Leaflet **IL29C112H**

Effective May 2014
Supersedes IL 29C112G Dated 8/11

Installation Instructions for G*i*, F*i*, J*i*, K*i*, L*i*, Molded Case Circuit Breakers Universal Line



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Powering Business Worldwide

WARNING

DO NOT ATTEMPT TO INSTALL OR PERFORM MAINTENANCE ON EQUIPMENT WHILE IT IS ENERGIZED. SEVERE PERSONAL INJURY, DEATH, OR SUBSTANTIAL PROPERTY DAMAGE CAN RESULT FROM CONTACT WITH ENERGIZED EQUIPMENT. ALWAYS VERIFY THAT NO VOLTAGE IS PRESENT BEFORE PROCEEDING WITH THE TASK, AND ALWAYS FOLLOW GENERALLY ACCEPTED SAFETY PROCEDURES.

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Rating • IEC 947-2 and UL489

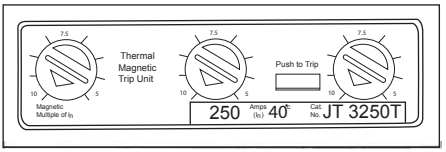
Icu/Ics	G*i* 125A	G*i* 125A	F*i* 225A	J*i* 250A	K*i* 400A	L*i* 630A	L*i* 800A
Range(amps)	15-125	15-25	15-225	250	300-400	500-630	700-800
220/240VAC	18/5	25/7	35/18	35/18	35/18	35/18	42/21
380VAC		18/5	25/13	25/13	25/13	25/13	35/18
415VAC		18/5	25/13	25/13	25/13	25/13	35/18
440VAC		14/4	20/10	20/10	20/10	20/10	30/15
240VAC NEMA	14	25	25	35	35	35	42
277VAC NEMA	14						
480VAC NEMA		14	14	20	20	20	30
250VDC			10/5	10/5	10/5	20/10	20/10
# Poles	1	2,3	2,3	3	3	3	3

1.0 Installation

The installation procedure consists of inspecting the circuit breaker and installing the terminals; mounting the circuit breaker, connecting the line and load conductors; torquing terminals; and attaching terminal shields, as required. Torque values for line/load terminals are given in Table 1.

Note: Universal Line circuit breakers are factory sealed. Internal accessories must be installed by the factory.

Breaker	Trip Unit Type: Thermal-Magnetic		
Type	Thermal	Magnetic	Mult. of Ith
G*i*	Fixed	Fixed	
F*i*	Fixed	Fixed	
J*i*	Fixed	Adjustable	5 to 10
K*i*	Fixed	Adjustable	5 to 10
L*i* 630A	Fixed	Adjustable	5 to 10
L*i* 800A	Fixed	Adjustable	4 to 8



Standard Termination

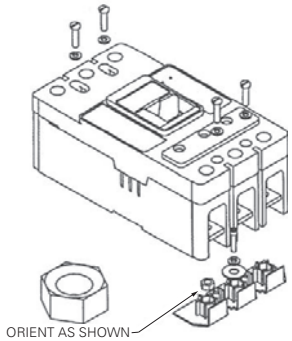
Breaker	Termination Type	Terminal Cat. #	Awg Wire Range	Metric Wire Range (mm)	Wire Type	Bolt Size English	Bolt Size Metric	Torque Lb-In	Torque N-M
G*i*	Wire	Included	#14- 1/0	2.5 - 50	Cu Only	-	-	45	5.1
F*i*	End Cap				-	10 - 32	M5	34 - 38	4.0 - 4.4
J*i*	End Cap				-	5/16	M8	120 - 144	14 - 16
K*i*	End Cap				-	5/16	M8	120 - 144	14 - 16
L*i* 630A	End Cap				-	5/16	M8	120 - 144	14 - 16

Optional Wire Collars

Breaker	Terminal Cat. #	AwgWire Range	MetricWire Range (mm)	Wire Type	Torque Lb-in.	Torque N-m
F*i*	3T1OOFB*T	#14 - #10	2.5 - 4	Cu/Al	35	4.0
F*i*	3T1OOFB*T	#8	10	Cu/Al	40	4.5
F*i*	3T1OOFB*T	#6 - #4	10 -25	Cu/Al	45	5.1
F*i*	3T1OOFB*T	#3 - 4/0	25 - 95	Cu/Al	50	5.7
F*i*	3T150FB*	#3 - 4/0	25 - 95	Cu Only	50	5.7
F*i*	3TA225FD*	#4 - 4/0	25 - 95	Cu/Al	120	13.9
F*i*	3TA225FDK*	#6 - 300	16 -150	Cu/Al	275	31.1
J*i*	TA250KB	4 - 350	75 - 185	Cu/Al	275	31.1
K*i*	TA350K	250-500 (1)	120 - 240 (1)	Cu/Al	375	42.0
K*i*	3TA400K*	310-250 (2)	95 - 120 (2)	Cu/Al	275	31.1
L*i* 630A	TA602LD	250-350 (2)	120 - 185 (2)	Cu/Al	275	31.1
L*i* 630A	3TA603LDK*	400-500 (2)	185 - 240 (2)	Cu/Al	275	31.1

* Package of three.

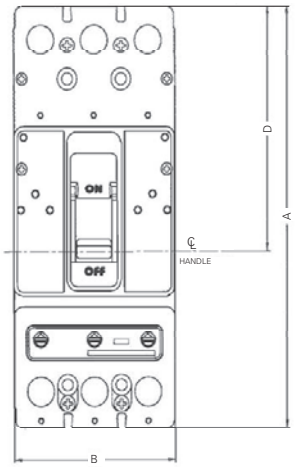
Optional Termination				
Breaker	Termination Type	Bolt Size English	Torque Lb-in.	Torque N-m
G*i*	Binding Head Screw	10 - 32	20	2.3



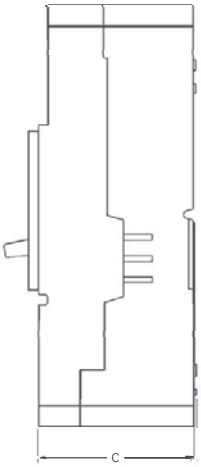
Dimensions (mm)

Gi, Fi, Ji, Ki

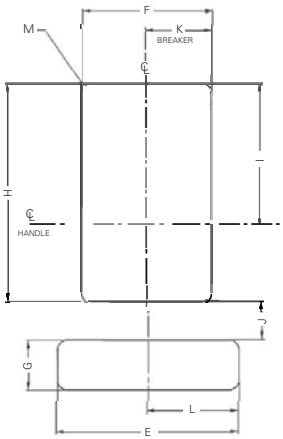
FRONT VIEW



SIDE VIEW



FRONT COVER CUTOUT

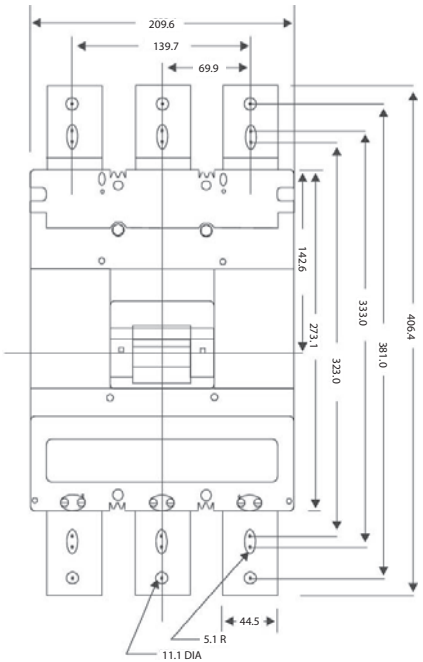


Frame	A	B	C	D	E	F	G	H	I	J	K	L	M
Gi	123.80	76.00	66.70	73.80	N/A	76.20	N/A	56.30	38.10	N/A	38.10	N/A	0.00
Fi	152.40	104.80	85.70	92.10	N/A	30.20	N/A	73.80	58.80	N/A	15.10	N/A	6.40
Ji	254.00	104.80	103.20	147.20	88.90	39.70	22.20	100.00	74.20	18.20	19.80	44.50	8.70
Ki	257.20	139.50	103.20	146.50	121.50	66.70	31.80	95.30	74.20	20.63	33.40	60.70	8.70

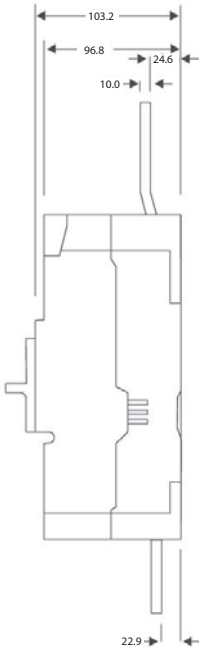
Frame	A	B	C	D	E	F	G	H	I	J	K	L	M
Li 630	273.10	209.60	103.20	142.60	184.90	87.30	38.10	83.30	33.70	24.60	43.70	92.50	6.40
Li 800	**	**	**	**	184.90	87.30	38.10	83.30	33.70	24.60	43.70	92.50	6.40

See Below

Front View



Side View



Notes:

Notes:

Installation Instructions for Gi, Fi, Ji, Ki, Li, Molded Case Circuit Breakers Universal Line

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Printed in Dominican Republic
Publication No. IL29C112H / TBG000670
Part No. 6612C89H07
May 2014

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