

Selection Data — L-Frame

**L-Frame**  
**Electronic RMS, 70 – 600 Amperes**  
**Thermal-Magnetic, 300 – 600 Amperes**

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L-Frame Breaker

Table 21.3-45. Dimensions in Inches (mm)

Number of Poles	Width	Height	Depth
2, 3	8.25 (209.6)	10.75 (273.1)	4.06 (103.2)
4	11.00 (279.4)	10.75 (273.1)	4.06 (103.2)

Table 21.3-46. Thermal-Magnetic Trip Ratings

Frame	Ratings
LDB, LD, CLD, HLD, CHLD, LDC, CLDC, HLDDC	300, 350, 400, 450, 500, 600

Table 21.3-47. Digitrip 310 Electronic Trip Unit Rating Plugs

Frame	Rating Plugs
LDB, LD, CLD, HLD, CHLD, LDC, CLDC	300, 350, 400, 500, 600 300/600 Adjustable

Table 21.3-48. Digitrip OPTIM Electronic Trip Unit Rating Plugs

Frame	Rating Plugs
LD, CLD, HLD, CHLD, LDC, CLDC	70, 90, 100, 110, 125, 150, 175, 200, 225, 250, 300, 350, 400, 500, 600

Table 21.3-49. UL 489 Interrupting Capacity Ratings

Circuit Breaker Type	Number of Poles	Type of Trip ①	Interrupting Capacity (rms Symmetrical Amperes)				
			Volts ac (50/60 Hz)			Volts dc	
			240	480	600	250 ②③	600
LDB	2, 3	N.I.T.	65,000	35,000	25,000	22,000	—
LD, CLD ④	2, 3, 4	I.T.	65,000	35,000	25,000	22,000	—
HLD	2, 3, 4	I.T.	100,000	65,000	35,000	25,000	—
CHLD ④	2, 3, 4	I.T.	100,000	65,000	35,000	25,000	—
LDC ⑤	2, 3, 4	I.T.	200,000	100,000	50,000	30,000	—
CLDC ④⑤	2, 3, 4	I.T.	200,000	100,000	50,000	30,000	—
HLDDC	3	I.T.	—	—	—	42,000 ⑥	35,000 ⑦

① N.I.T. is non-interchangeable trip; I.T. is interchangeable trip.

② L/R = 8 milliseconds minimum.

③ 2-pole circuit breaker or two poles of 3-pole circuit breaker. Incorporating T/M trip unit only.

④ 100% rated.

⑤ Current limiting.

⑥ 2-poles in series.

⑦ 3-poles in series.

**CROSS REFERENCE TO  
 ROCKWELL PART NUMBER  
 25103-409-02**

Table 21.3-50. Line and Load Terminals

Maximum Breaker Amperes	Terminal Body Material ⑧	Wire Type	AWG/kcmil Wire Range/Number of Conductors	Metric Wire Range (mm <sup>2</sup> )	Catalog Number
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Standard Cu/Al Pressure Terminals

400	Aluminum	Cu/Al	(1) 4/0 – 600 kcmil	120 – 300	2TA401LDK – 2-Pole Kit ⑨ 3TA401LDK – 3-Pole Kit ⑨ 4TA401LDK – 4-Pole Kit ⑨
500	Aluminum	Cu/Al	(2) 250 – 350 kcmil	120 – 150	TA602LD
600	Aluminum	Cu/Al	(2) 400 – 500 kcmil	185 – 240	2TA603LDK – 2-Pole Kit ⑨ 3TA603LDK – 3-Pole Kit ⑨ 4TA603LDK – 4-Pole Kit ⑨

Optional Copper Pressure Type Terminals

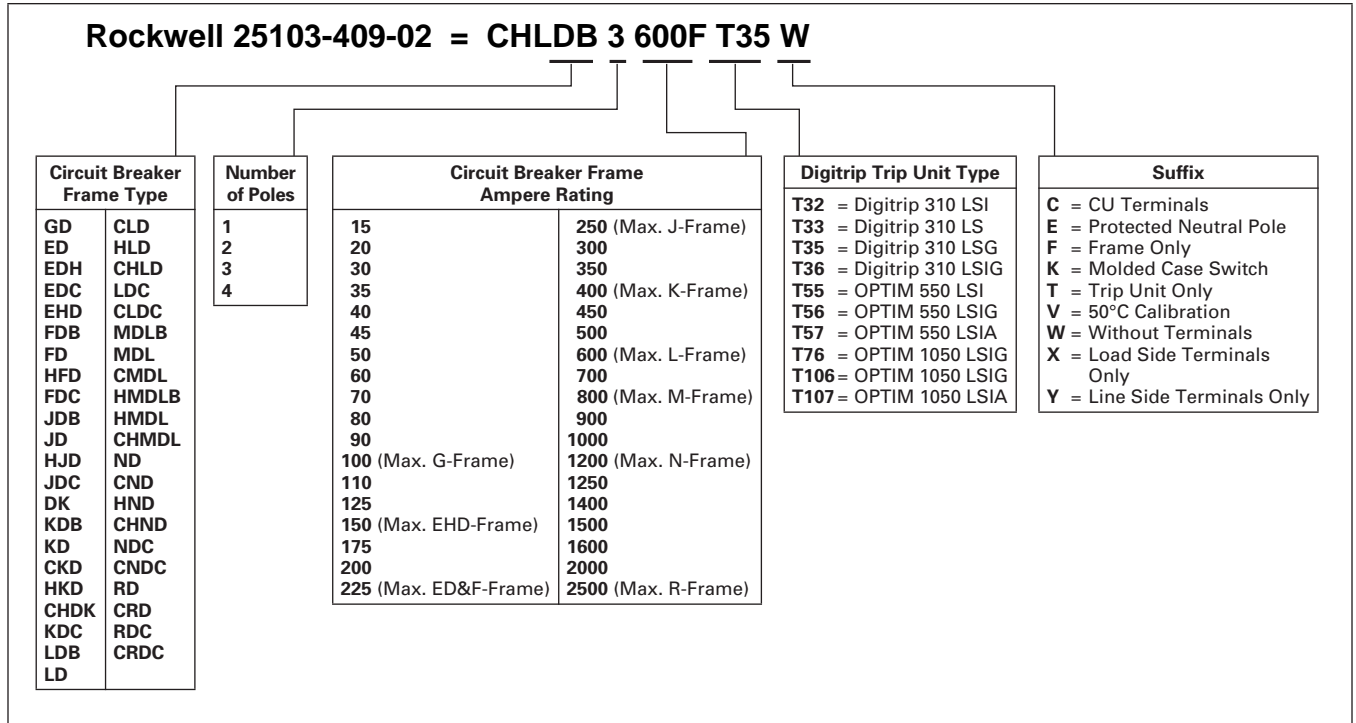
600	Copper	Cu	(2) 250 – 350 kcmil	120 – 150	T602LD
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⑧ UL listed for use with copper or aluminum conductors as noted.

⑨ Terminal kits contain one terminal for each pole and one terminal cover.

**Circuit Breaker/Frame Catalog Numbering System**

Table 21.3-20. Catalog Numbering System — Molded Case Circuit Breakers



**Note:** This chart is for interpretation of Cutler-Hammer catalog numbers and not for the creation of catalog numbers.

**Circuit Breaker Selection Guide and Interrupting Ratings**

**Table 21.3-2. Industrial Circuit Breakers (Continued)**

Circuit Breaker Type	Continuous Ampere Rating at 40°C	No. of Poles	Volts		Type of Trip ①	Federal Specification W-C-375b	UL Listed Interrupting Ratings (rms Symmetrical Amperes)								
			ac	dc			ac Ratings Volts						dc ②		
							120	120/240	240	277	480	600	125	250	125/250
<b>JG Frame ③</b>															
JGE	63 – 250	2, 3, 4	600	250	I.T.	—	—	—	65,000	—	25,000	18,000	—	10,000	—
JGS	63 – 250	2, 3, 4	600	250	I.T.	—	—	—	85,000	—	35,000	18,000	—	22,000	—
JGH	63 – 250	2, 3, 4	600	250	I.T.	—	—	—	100,000	—	65,000	25,000	—	22,000	—
<b>J-Frame</b>															
JDB	70 – 250	2, 3	600	250	N.I.T.	22a	—	—	65,000	—	35,000	18,000	—	10,000	—
JD	70 – 250	2, 3, 4	600	250	I.T.	22a	—	—	65,000	—	35,000	18,000	—	10,000	—
HJD	70 – 250	2, 3, 4	600	250	I.T.	22a	—	—	100,000	—	65,000	25,000	—	22,000	—
JDC ④	70 – 250	2, 3, 4	600	250	I.T.	22a	—	—	200,000	—	100,000	35,000	—	22,000	—
<b>K-Frame</b>															
DK	250 – 400	2, 3	240	250	N.I.T.	14b	—	—	65,000	—	—	—	—	10,000	—
KDB	100 – 400	2, 3	600	250	N.I.T.	23a	—	—	65,000	—	35,000	25,000	—	10,000	—
KD	100 – 400	2, 3, 4	600	250	I.T.	23a	—	—	65,000	—	35,000	25,000	—	10,000	—
CKD ⑤	100 – 400	2, 3, 4	600	250	I.T.	23a	—	—	65,000	—	35,000	25,000	—	10,000	—
HKD	100 – 400	2, 3, 4	600	250	I.T.	23a	—	—	100,000	—	65,000	35,000	—	22,000	—
CHKD ⑤	100 – 400	2, 3, 4	600	250	I.T.	23a	—	—	100,000	—	65,000	35,000	—	22,000	—
KDC ④	100 – 400	2, 3, 4	600	250	I.T.	23a	—	—	200,000	—	100,000	50,000	—	22,000	—
<b>L-Frame</b>															
LGE	100 – 600	3, 4	600	250	I.T.	23a	—	—	65,000	—	35,000	18,000	—	22,000	—
LGS	100 – 600	3, 4	600	250	I.T.	23a	—	—	85,000	—	50,000	25,000	—	22,000	—
LGH	100 – 600	3, 4	600	250	I.T.	23a	—	—	100,000	—	65,000	35,000	—	42,000	—
LGC	100 – 600	3, 4	600	250	I.T.	23a	—	—	200,000	—	100,000	50,000	—	42,000	—
LDB	300 – 600	2, 3	600	250	N.I.T.	23a	—	—	65,000	—	35,000	25,000	—	22,000	—
LD	300 – 600	2, 3, 4	600	250	I.T.	23a	—	—	65,000	—	35,000	25,000	—	22,000	—
CLD ⑤	300 – 600	2, 3, 4	600	250	I.T.	23a	—	—	65,000	—	35,000	25,000	—	22,000	—
HLD	300 – 600	2, 3, 4	600	250	I.T.	23a	—	—	100,000	—	65,000	35,000	—	25,000	—
CHLD ⑤	300 – 600	2, 3, 4	600	250	I.T.	23a	—	—	100,000	—	65,000	35,000	—	25,000	—
LDC ④	300 – 600	2, 3, 4	600	250	I.T.	23a	—	—	—	—	100,000	50,000	—	25,000	—
CLDC ④⑤	300 – 600	2, 3, 4	600	250	I.T.	23a	—	—	200,000	—	100,000	50,000	—	25,000	—
<b>M-Frame</b>															
MDL	300 – 800	2, 3	600	250	I.T.	23a	—	—	65,000	—	50,000	25,000	—	22,000	—
CMDL ⑤	300 – 800	2, 3	600	250	I.T.	23a	—	—	65,000	—	50,000	25,000	—	22,000	—
HMDL	300 – 800	2, 3	600	250	I.T.	23a	—	—	100,000	—	65,000	35,000	—	25,000	—
CHMDL ⑤	300 – 800	2, 3	600	250	I.T.	23a	—	—	100,000	—	65,000	35,000	—	25,000	—
<b>N-Frame</b>															
ND	600 – 1200	3, 4	600	—	N.I.T.	23A	—	—	65,000	—	50,000	25,000	—	—	—
CND ⑤	600 – 1200	3, 4	600	—	N.I.T.	23A	—	—	65,000	—	50,000	25,000	—	—	—
HND	600 – 1200	3, 4	600	—	N.I.T.	23A	—	—	100,000	—	65,000	35,000	—	—	—
CHND ⑤	600 – 1200	3, 4	600	—	N.I.T.	23A	—	—	100,000	—	65,000	35,000	—	—	—
NDC	600 – 1200	3, 4	600	—	N.I.T.	23A	—	—	200,000	—	100,000	50,000	—	—	—
CNDC ⑤	600 – 1200	3, 4	600	—	N.I.T.	23A	—	—	200,000	—	100,000	50,000	—	—	—
<b>R-Frame</b>															
RD 1600	800 – 1600	3, 4	600	—	N.I.T.	24a	—	—	125,000	—	65,000	50,000	—	—	—
CRD 1600 ⑤	800 – 1600	3, 4	600	—	N.I.T.	24a	—	—	125,000	—	65,000	50,000	—	—	—
RD 2000	1000 – 2000	3, 4	600	—	N.I.T.	24a	—	—	125,000	—	65,000	50,000	—	—	—
RD 2500	1000 – 2500	3, 4	600	—	N.I.T.	24a	—	—	200,000	—	65,000	50,000	—	—	—
CRD 2000 ⑤	1000 – 2000	3, 4	600	—	N.I.T.	24a	—	—	125,000	—	65,000	50,000	—	—	—
RDC 1600	800 – 1600	3, 4	600	—	N.I.T.	25a	—	—	200,000	—	100,000	65,000	—	—	—
CRDC 1600 ⑤	800 – 1600	3, 4	600	—	N.I.T.	25a	—	—	200,000	—	100,000	65,000	—	—	—
RDC 2000	1000 – 2000	3, 4	600	—	N.I.T.	25a	—	—	200,000	—	100,000	65,000	—	—	—
RDC 2500	1000 – 2500	3, 4	600	—	N.I.T.	25a	—	—	200,000	—	100,000	65,000	—	—	—
CRDC 2000 ⑤	1000 – 2000	3, 4	600	—	N.I.T.	25a	—	—	200,000	—	100,000	65,000	—	—	—



① N.I.T. is non-interchangeable trip unit and I.T. is interchangeable trip unit.  
 ② Two-pole circuit breaker, or two poles of three-pole circuit breaker at 250 Vdc.  
 ③ Not presently available for panelboard or switchboard mounting.  
 ④ Current limiting.  
 ⑤ 100% rated.