Product Selection

Types LD, HLD and LDC Thermal-Magnetic Circuit Breakers with Interchangeable Trip Units

Maximum Continuous Ampere Rating at 40 °C [1]	Standard Interrupting Capacity 600 Vac Rated 35 kAIC at 480 Vac Factory Assembled Circuit Consisting of Frame, Trip Unit and Terminals Catalog Number	High Interrupting Capacity 600 Vac Rated 65 kAIC at 480 Vac Factory Assembled Circuit Consisting of Frame, Trip Unit and Terminals Catalog Number	Ultra High Interrupting Capacity Current Limiting 600 Vac Rated 100 kAIC at 480 Vac Factory Assembled Circuit Consisting of Frame, Trip Unit and Terminals Catalog Number	Thermal-Magnetic Trip Unit Only For Use with Standard or High or Ultra High Interrupting Frames Catalog Number	Standard Terminals Only See Page V4-T2-203 for Optional Terminals Catalog Number
Two-Pole					
300	**LD2300**	**HLD2300**	**LDC2300**	**LT2300T**	**TA602LD** [2]
350	**LD2350**	**HLD2350**	**LDC2350**	**LT2350T**	**TA602LD** [2]
400	**LD2400**	**HLD2400**	**LDC2400**	**LT2400T**	**TA602LD** [2]
450	**LD2450**	**HLD2450**	**LDC2450**	**LT2450T**	**TA602LD** [2]
500	**LD2500**	**HLD2500**	**LDC2500**	**LT2500T**	**TA602LD** [2]
600	**LD2600**	**HLD2600**	**LDC2600**	**LT2600T**	**2TA603LDK** [3]
Three-Pole					
300	**LD3300**	**HLD3300**	**LDC3300**	**LT3300T**	**TA602LD** [2]
350	**LD3350**	**HLD3350**	**LDC3350**	**LT3350T**	**TA602LD** [2]
400	**LD3400**	**HLD3400**	**LDC3400**	**LT3400T**	**TA602LD** [2]
450	**LD3450**	**HLD3450**	**LDC3450**	**LT3450T**	**TA602LD** [2]
500	**LD3500**	**HLD3500**	**LDC3500**	**LT3500T**	**TA602LD** [2]
600	**LD3600**	**HLD3600**	**LDC3600**	**LT3600T**	**3TA603LDK** [3]
Four-Pole [4]					
300	**LD4300**	**HLD4300**	**LDC4300**	**LT4300T**	**TA602LD** [2]
350	**LD4350**	**HLD4350**	**LDC4350**	**LT4350T**	**TA602LD** [2]
400	**LD4400**	**HLD4400**	**LDC4400**	**LT4400T**	**TA602LD** [2]
450	**LD4450**	**HLD4450**	**LDC4450**	**LT4450T**	**TA602LD** [2]
500	**LD4500**	**HLD4500**	**LDC4500**	**LT4500T**	**TA602LD** [2]
600	**LD4600**	**HLD4600**	**LDC4600**	**LT4600T**	**4TA603LDK** [3]

Types LD, HLD and LDC Thermal-Magnetic Circuit Breakers—Frame Only

Standard Interrupting Capacity 600 Vac Rated 35 kAIC at 480 Vac Catalog Number	High Interrupting Capacity 600 Vac Rated 65 kAIC at 480 Vac Catalog Number	Ultra High Interrupting Capacity Current Limiting 600 Vac Rated 100 kAIC at 480 Vac Catalog Number
Two-Pole		
LD2600F	**HLD2600F**	**LDC2600F**
Three-Pole		
LD3600F	**HLD3600F**	**LDC3600F**
Four-Pole		
LD4600F	**HLD4600F**	**LDC4600F**

Notes

[1] Magnetic trip range 5–10 times continuous ampere rating.

[2] Individually packed.

[3] Terminal kits contain one terminal for each pole and one terminal cover.

[4] Neutral is in right pole.

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Type LDB Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units [1]

Maximum Continuous Ampere Rating	600 Vac Rated, 250 Vdc Complete Circuit Breaker	
	Without Line and Load Terminals Catalog Number	With Standard Line and Load Terminals Only Catalog Number
Two-Pole		
300	**LDB2300W**	**LDB2300**
350	**LDB2350W**	**LDB2350**
400	**LDB2400W**	**LDB2400**
450	**LDB2450W**	**LDB2450**
500	**LDB2500W**	**LDB2500**
600	**LDB2600W**	**LDB2600**
Three-Pole		
300	**LDB3300W**	**LDB3300**
350	**LDB3350W**	**LDB3350**
400	**LDB3400W**	**LDB3400**
450	**LDB3450W**	**LDB3450**
500	**LDB3500W**	**LDB3500**
600	**LDB3600W**	**LDB3600**

Molded Case Switches

Eaton's molded case switches are used as compact switches in applications requiring high current switching capabilities. Molded case switches are constructed of circuit breaker components and are of the high instantaneous automatic type. Molded case switches are listed in accordance with Underwriters Laboratories Standard UL 489.

Molded Case Switches

Maximum Continuous Ampere Rating at 40 °C	600 Vac Maximum, 250 Vdc Circuit Breaker Only without Line and Load Terminals Catalog Number	Standard Terminals Only See Page V4-T2-203 for Optional Terminals Catalog Number
Two-Pole		
600	**LD2600WK**	**2TA603LDK**
600	**LDB2600WK** [1]	**2TA603LDK**
600	**HLD2600WK**	**2TA603LDK**
Three-Pole		
600	**LD3600WK**	**3TA603LDK**
600	**LDB3600WK** [1]	**3TA603LDK**
600	**HLD3600WK**	**3TA603LDK**
Four-Pole		
600	**LD4600WK**	**4TA603LDK**
600	**LDB4600WK** [1]	**4TA603LDK**
600	**HLD4600WK**	**4TA603LDK**

Notes

[1] Factory sealed—suitable for reverse feed application.

Molded case switch will trip above 6000 amperes.

Accessories Selection Guide and Ordering Information

Line and Load Terminals

Eaton's line and load terminals provide wire connecting capabilities for specific ranges of continuous current ratings and wire types. All terminals comply with Underwriters Laboratories Standards UL 486A and UL 486B and CSA Standard C22.2 No. 65M. Unless otherwise specified,

L-Frame circuit breaker line and load terminals are shipped separately for field installation.

The wire connecting terminal is secured with two pan-head, slotted screws and lockwashers that can be checked for the correct torque loading or retightened from the front of the circuit
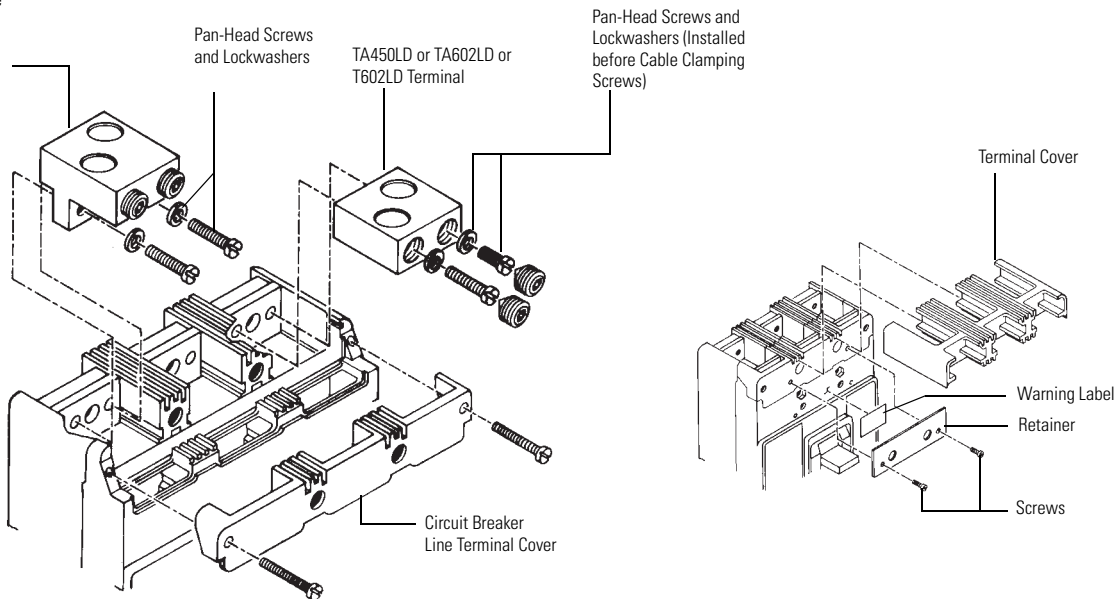
breaker before installation of the conductors. (Applies to all styles.) The circuit breaker line/load terminal conductors are positioned in the conducting holes in the wire connecting terminal and are secured with recessed socket screws that are tightened to the correct torque loading from the front of the circuit breaker.

Ordering Information

L-Frame circuit breakers use Cu/Al terminals as standard. When optional copper terminals are required, order by catalog Number. Specify if factory installation is required.

Terminals

TA401LD or TA603LD Terminal (Step-Type Terminal Requires Terminal Cover and Warning Label. See Inset.)

Pan-Head Screws and Lockwashers

TA450LD or TA602LD or T602LD Terminal

Pan-Head Screws and Lockwashers (Installed before Cable Clamping Screws)

Terminal Cover

Circuit Breaker Line Terminal Cover

Warning Label

Retainer

Screws

Line and Load Terminals

Maximum Breaker Amperes	Terminal Body Material	Wire Type	AWG Wire Range/Number of Conductors	Metric Wire Range mm^2	Terminal Poles	Catalog Number	Terminals with Control Wire Termination Catalog Number
Standard Cu/Al Pressure Terminals							
400	Aluminum	Cu/Al	4/0–600 (1)	120–300	Two-pole kit [1]	**2TA401LDK**	—
400	Aluminum	Cu/Al	4/0–600 (1)	120–300	Three-pole kit [1]	**3TA401LDK**	—
400	Aluminum	Cu/Al	4/0–600 (1)	120–300	Four-pole kit [1]	**4TA401LDK**	—
450	Aluminum	Cu/Al	4–4/0 (2)	25–95	[2]	**TA450LD**	—
500	Aluminum	Cu/Al	3/0–350 (2)	95–150	[2]	**TA602LD**	**TA602LDCW**
600	Aluminum	Cu/Al	400–500 (2)	185–240	Two-pole kit [1]	**2TA603LDK**	**2TA603LDKCW**
600	Aluminum	Cu/Al	400–500 (2)	185–240	Three-pole kit [1]	**3TA603LDK**	**3TA603LDKCW**
600	Aluminum	Cu/Al	400–500 (2)	185–240	Four-pole kit [1]	**4TA603LDK**	**4TA603LDKCW**
Optional Copper and Cu/Al Pressure Type Terminals							
600	Copper	Cu	250–350 (2)	120–250	[2]	**T602LD**	**T602LDCW**

Notes

[1] Terminal kits contain one terminal for each pole and one terminal cover.

[2] Individually packed.