

Typical F-Frame Breaker
F-Frame Breaker with Electronic Trip Unit



F-Frame (10–225 Amperes)

Product Description

- All Eaton's F-Frame circuit breakers are HACR rated
- All circuit breakers 10 through 30 amperes are suitable for HID (high intensity discharge) use
- All F-Frame circuit breakers are suitable for reverse feed use

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2.4

Molded Case Circuit Breakers

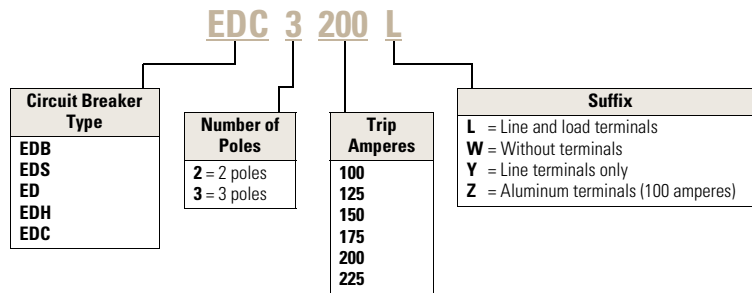
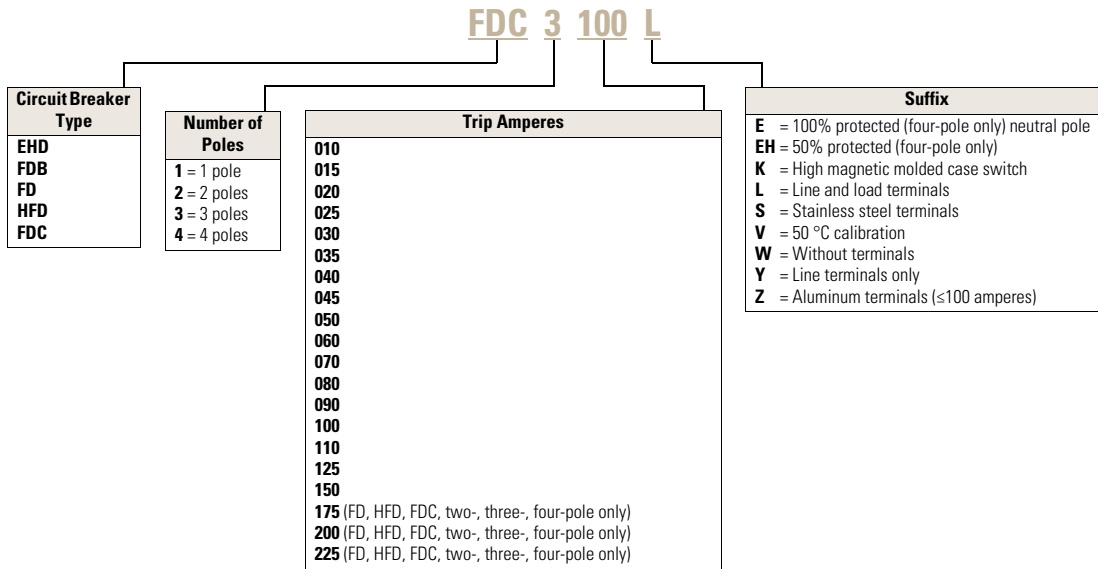
Series C

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Catalog Number Selection

This information is presented only as an aid to understanding catalog numbers. It is not to be used to build catalog numbers for circuit breakers or trip units.

FD-Frame Circuit Breakers with Thermal-Magnetic Trip Unit Technology



Typical F-Frame Breaker
F-Frame Breaker with Electronic Trip Unit



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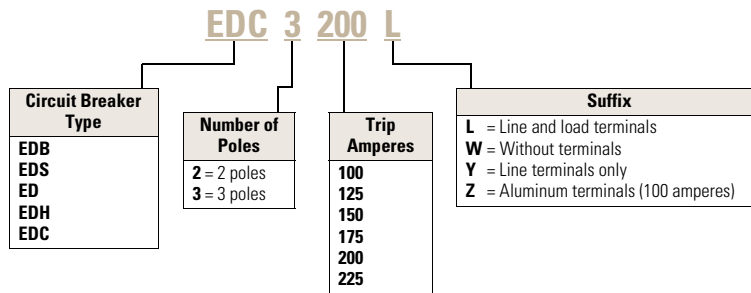
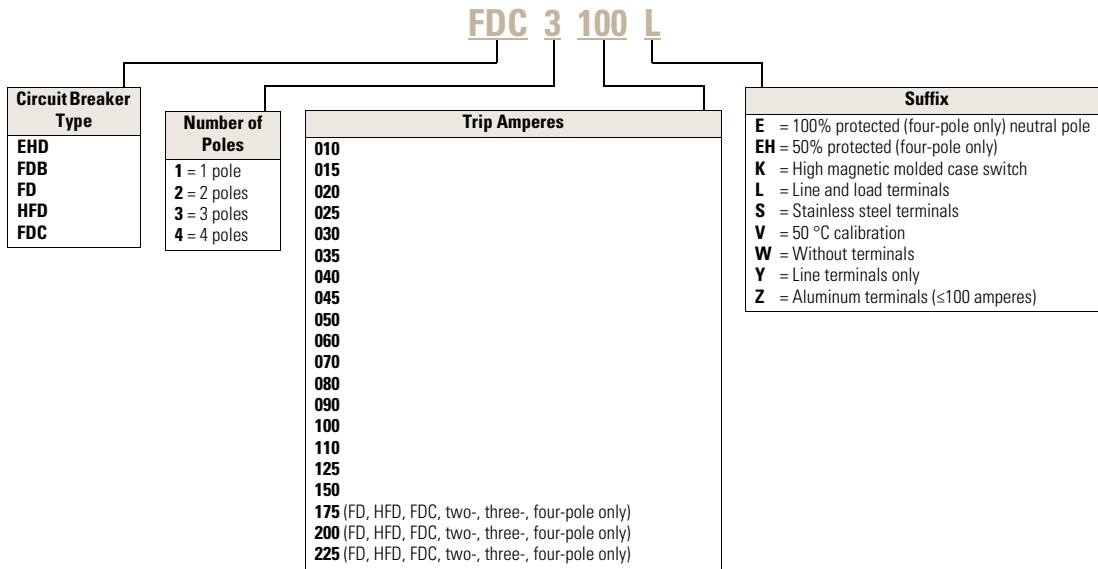
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FD-Frame Circuit Breakers with Thermal-Magnetic Trip Unit Technology

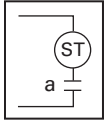


**Type FDB Thermal-Magnetic Circuit Breakers with Non-Interchangeable Trip Units
(Includes Terminals on Load End Only)**

Maximum Continuous Ampere Rating at 40 °C	600 Vac Maximum, 250 Vdc 14 kAIC at 600 Vac		
	Two-Pole Catalog Number	Three-Pole Catalog Number	Four-Pole Catalog Number
10 ①	FDB2010	FDB3010	FDB4010
15	FDB2015	FDB3015	FDB4015
20	FDB2020	FDB3020	FDB4020
25	FDB2025	FDB3025	FDB4025
30	FDB2030	FDB3030	FDB4030
35	FDB2035	FDB3035	FDB4035
40	FDB2040	FDB3040	FDB4040
45	FDB2045	FDB3045	FDB4045
50	FDB2050	FDB3050	FDB4050
60	FDB2060	FDB3060	FDB4060
70	FDB2070	FDB3070	FDB4070
80	FDB2080	FDB3080	FDB4080
90	FDB2090	FDB3090	FDB4090
100	FDB2100	FDB3100	FDB4100
110	FDB2110	FDB3110	FDB4110
125	FDB2125	FDB3125	FDB4125
150	FDB2150	FDB3150	FDB4150

Note

① Not UL listed. 5 kAIC interrupting rating.

Shunt Trip**Shunt Trip****G-Frame Shunt Trip (LH Three-Pole Only)**

Electrical Ratings				
Volts	Frequency	Amperes	Suffix Number	Catalog Number
120	50/60 Hz	1.1	S1	1373D62G01
240	50/60 Hz	2.1	S2	1373D62G02
12	DC	2.8	S3	1373D62G15
24	DC	5.7	S4	1373D62G16
24	60 Hz	—	S7	1373D62G20

F-Frame and HMCP (F) Shunt Trip

Voltage Rating (AC Frequency = 50/60 Hz)	Factory Mounted Connection Type and Location			Factory Installation Kit ^①		
	18-Inch (457.2 mm) Pigtail Leads ^②			Terminal Block	Pigtail Leads	Terminal Block
	Same Side	Rear ^③	Opposite Side	Same Side		
	Suffix Number	Suffix Number	Suffix Number	Suffix Number	Catalog Number	Catalog Number
Left-Pole Mounting AC/DC Ratings						
12–24 Vac or Vdc	S01	S02	S03	S04	SNT1LP03K	SNT1LT03K
48–127 Vac or 48–60 Vdc ^④	S05	S06	S07	S08	SNT1LP08K	SNT1LT08K
208–380 Vac or 110–127 Vdc	S09	S10	S11	S12	SNT1LP12K	SNT1LT12K
415–600 Vac or 220–250 Vdc	S13	S14	S15	S16	SNT1LP18K	SNT1LT18K
Right- or Neutral-Pole Mounting AC/DC Ratings ^⑤						
12–24 Vac or Vdc	S17	S18	S19	S20	SNT1RP03K	SNT1RT03K ^⑥
48–127 Vac or 48–60 Vdc ^④	S21	S22	S23	S24	SNT1RP08K	SNT1RT08K ^⑥
208–380 Vac or 110–127 Vdc	S25	S26	S27	S28	SNT1RP12K	SNT1RT12K ^⑥
415–600 Vac or 220–250 Vdc	S29	S30	S31	S32	SNT1RP18K	SNT1RT18K ^⑥

Notes

- ① Not listed with Underwriters Laboratories, for field installation.
- ② Pigtail wire size: 18 AWG (0.82 mm²).
- ③ Standard pigtail lead exit location.
- ④ 120 Vac marked suitable for ground fault protection devices.
- ⑤ Standard mounting location.
- ⑥ Not for use on four-pole circuit breakers.

G-Frame circuit breakers are factory sealed. Underwriters Laboratories requires that internal accessories be installed at the factory. Internal accessories are UL listed for factory installation under E7819.

Where local codes and standards permit and UL listing is not required, internal accessories can be field installed. Accessory installation should be done before the circuit breaker is mounted and connected.