

Molded Case Circuit Breakers

SELECTION

FD 250A Frame Sentron Series

Type FXD6-A^①

Blue Label

Non-Interchangeable Trip (Assembled Circuit Breaker - Without Lugs)				
Continuous Current Rating @ 40°C	2-Pole ^②		3-Pole	
	Catalog Number	List Price \$	Catalog Number	List Price \$
70	FXD62B070	1410.00	FXD63B070	1784.00
80	FXD62B080	1410.00	FXD63B080	1784.00
90	FXD62B090	1410.00	FXD63B090	1784.00
100	FXD62B100	1410.00	FXD63B100	1784.00
110	FXD62B110	1410.00	FXD63B110	1784.00
125	FXD62B125	1410.00	FXD63B125	1784.00
150	FXD62B150	1410.00	FXD63B150	1784.00
175	FXD62B175	1410.00	FXD63B175	1784.00
200	FXD62B200	1410.00	FXD63B200	1784.00
225	FXD62B225	1410.00	FXD63B225	1784.00
250	FXD62B250	2400.00	FXD63B250	2799.00

Type FD6-A

Blue Label

Interchangeable Trip						
Continuous Current Rating @ 40°C	Complete Breaker Unassembled with Lugs		Frame Only		Trip Unit Only	
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$

2-Pole 600V AC, 250V DC^②

70	FD62B070	1479.60	FD62F250	675.00	FD62T070	735.00
80	FD62B080	1479.60			FD62T080	735.00
90	FD62B090	1479.60			FD62T090	735.00
100	FD62B100	1479.60			FD62T100	735.00
110	FD62B110	1479.60			FD62T110	735.00
125	FD62B125	1479.60			FD62T125	735.00
150	FD62B150	1479.60			FD62T150	735.00
175	FD62B175	1479.60			FD62T175	735.00
200	FD62B200	1479.60			FD62T200	735.00
225	FD62B225	1479.60			FD62T225	735.00
250	FD62B250	2469.60			FD62T250	1725.00

3-Pole 600V AC, 500V DC^②

70	FD63B070	1887.40	FD63F250	875.00	FD63T070	908.00
80	FD63B080	1887.40			FD63T080	908.00
90	FD63B090	1887.40			FD63T090	908.00
100	FD63B100	1887.40			FD63T100	908.00
110	FD63B110	1887.40			FD63T110	908.00
125	FD63B125	1887.40			FD63T125	908.00
150	FD63B150	1887.40			FD63T150	908.00
175	FD63B175	1887.40			FD63T175	908.00
200	FD63B200	1887.40			FD63T200	908.00
225	FD63B225	1887.40			FD63T225	908.00
250	FD63B250	2903.40			FD63T250	1924.00

Interrupting Ratings

Breaker Type	RMS Symmetrical Amperes (KA)										
	UL 489 AIR (File E10848)						IEC 947-2				
	Volts AC (50/60Hz)			Volts DC			Volts AC (50/60Hz)				
	240	480	600	250	500 ^③	220/240	380/415	500	Icu	Ics	
FXD6-A, FD6-A	65	35	18	30 (2-P)	18 (3-P)	65	33	35	9	20	10
HFXD6 ^④ , HFD6 ^④	100	65	25	30 (2-P)	25 (3-P)	100	50	65	33	42	21
HHFD6 ^④ , HHFXD6 ^④	200	100	25	—	—	200	100	100	50	65	33
CFD6	200	200	100	30 (2-P)	50 (3-P)	—	—	—	—	—	—

Instantaneous Adjustment Trip Range

Breaker Ampere Rating	Nominal Instantaneous Values							
	Low	2	3	4	5	6	7	High
70-90	600	640	690	730	770	810	850	900
100-110	700	770	840	920	990	1060	1140	1200
125-150	800	900	1000	1100	1200	1300	1400	1500
175-200	900	1060	1210	1370	1520	1780	1930	2000
225-250	1100	1300	1500	1700	1900	2100	2300	2500

Note: FD frame qualified to UL489 supplement SB "NAVAL". See page 111 for additional information.

Ordering Information

Complete Breaker Unassembled with Lugs

Prices of FD6, HFD6, and HHFD6 breakers includes frame, trip and both line and load lugs (TA1FD350). When ordered by these catalog numbers, the customer will receive the frame, trip, and lugs separately packaged. For applications requiring different lugs, order individual items as needed.

Complete Breaker Assembled without Lugs

Prices of FXD6, HFXD6, HHFXD6, and CFD6 includes frame with non-interchangeable trip unit installed only. Order required lugs separately. For line and load lugs (TA1FD350A) installed, add suffix "L" to catalog number (add 2 times list price of lugs for each pole).

50°C Applications see page 111.

400 Hz Applications see page 111.

Lugs For 75°C Wire^⑤

Catalog Number	Wire Range	List Price \$
TA1FD350A	#6-350 kcmil Cu	17.40
TC1FD350	#4-350 kcmil Al	27.00
	#6-350 kcmil Cu	
Compression Lug		
CCF250	#6-350 kcmil Cu/Al	40.00

Enclosures

Type	Catalog Number	List Price \$
1	F6N1S(F)	144.00
3R	F6N3R	475.00
4-4X	FD6SS4	3699.00
7-9	EC2	3773.00
12	F6N12	321.00
Neutral ^⑥	N250	112.00

Modifications page 111
Enclosures pages 34-46
Accessories pages 108-126

- ① Type FXD6-A circuit breakers are UL Listed for reverse fed applications.
- ② 2-pole units are 3-pole width.
- ③ When wired as shown on page 49, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.
- ④ Order neutral as separate item.
- ⑤ See Note: A, page 108.
- ⑥ HFD6 and HHFD6 type circuit breakers meet the UL criteria for "current limiting" at 240 and 480V AC.

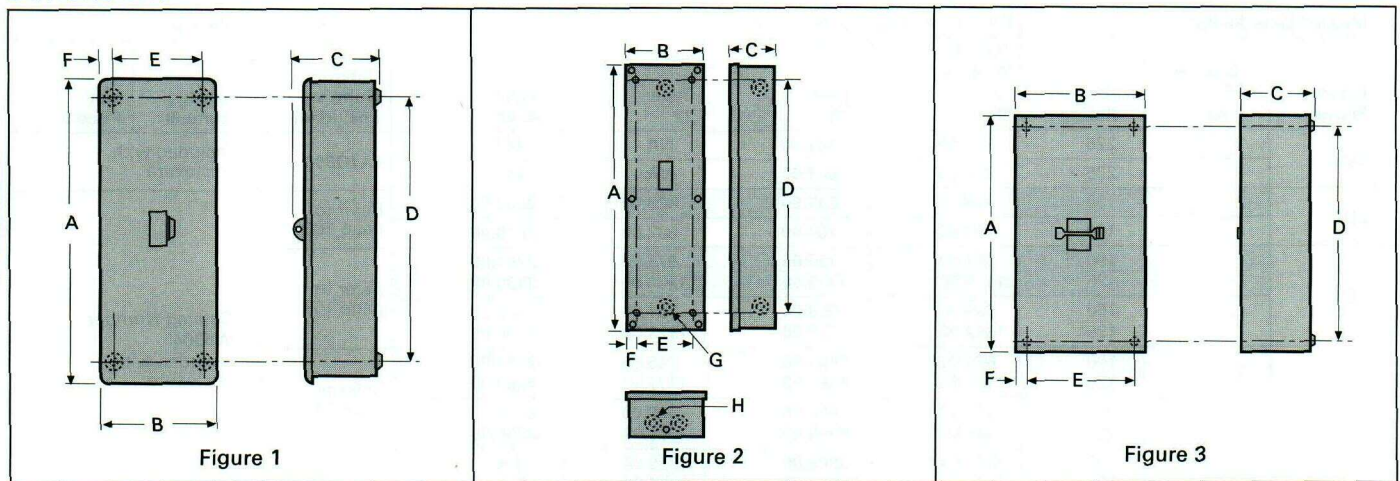
Built to order. Allow 2 weeks for production.

Enclosed Circuit Breakers

SELECTION/DIMENSIONS

Enclosures — Type 1

Dimensions



ENCLOSED CIRCUIT BREAKERS

Type 1

Fig. No.	Breaker Frame	Number of Poles	Maximum Current Rating	Catalog Number	List Price \$ ^③	Weight Lb./Ship. Package	Dimensions (inches)						K.O. Dimensions	
							A	B	C	D	E	F	G	H
1	QP, QPH, HQP	1-2	40	E0204ML1040S ^{①②③}	CSO ^②	16	7 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{1}{8}$	—	—
			60	E0204ML1060S ^{①②③}	47.00 ^②	16	7 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	1 $\frac{1}{8}$	—	—
			125	E0202ML1125S ^{①②③}	74.00 ^②	30	17 $\frac{1}{2}$	7 $\frac{1}{2}$	4 $\frac{1}{2}$	14 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{8}$	—	—
1	QP, QPH, HQP	3	100	E0303ML3100S ^{①②③}	120.00	8	17 $\frac{1}{2}$	7 $\frac{1}{2}$	4 $\frac{1}{2}$	14 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{8}$	—	—
1	BQ, BQH, HBQ	3	100	EB3100S ^{①②}	120.00 ^②	32	17 $\frac{1}{2}$	7 $\frac{1}{2}$	4 $\frac{3}{4}$	14 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{8}$	—	—
2	ED2, ED4, ED6, HED4, HED6, HHED6	2-3	100	E2N1S ^①	117.00	8	16 $\frac{3}{32}$	7 $\frac{1}{2}$	5 $\frac{1}{16}$	13 $\frac{9}{64}$	5 $\frac{1}{2}$	1	7 $\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{8}$	7 $\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{8}$
			125	E2N1F ^①	117.00	8	17 $\frac{1}{2}$	8 $\frac{1}{2}$	5 $\frac{1}{16}$	13 $\frac{9}{64}$	5 $\frac{1}{2}$	1	1 $\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{8}$	1 $\frac{1}{8}$, 1 $\frac{1}{8}$, 1 $\frac{1}{8}$
2	ED4, ED6, HED4, HED6, HHED6, CED6	2-3	125	CED6N1S ^{①②}	211.00	14	21 $\frac{1}{32}$	7 $\frac{1}{2}$	5 $\frac{1}{16}$	18 $\frac{1}{2}$	5 $\frac{1}{2}$	1	1 $\frac{1}{4}$, 2	1 $\frac{1}{4}$, 2
			125	CED6N1F ^{①②}	211.00	14	22 $\frac{1}{4}$	8 $\frac{1}{2}$	5 $\frac{1}{16}$	18 $\frac{1}{2}$	5 $\frac{1}{2}$	1	1 $\frac{1}{4}$, 2	1 $\frac{1}{4}$, 2
2	FXD6, FD6, FXD6, FD6, HFD6, HFXD6, HHFD6, CFD6	2-3	250	F6N1S ^①	144.00	33	38 $\frac{3}{32}$	11 $\frac{1}{32}$	5 $\frac{1}{16}$	33	8	1 $\frac{3}{8}$	1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 2, 2 $\frac{1}{2}$, 3	1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 20, 2 $\frac{1}{2}$, 3
			250	F6N1F ^①	144.00	33	38 $\frac{3}{32}$	11 $\frac{1}{32}$	5 $\frac{1}{16}$	33	8	1 $\frac{3}{8}$	1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 2, 2 $\frac{1}{2}$, 3	1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 1 $\frac{1}{4}$, 20, 2 $\frac{1}{2}$, 3
3	JXD2, JD6, JXD6, HJD6, HJXD6, HHJD6, HHJXD6, SJD6, SHJD6, SXD6H	2-3	400	J6N1 ^①	203.00	120	41 $\frac{1}{16}$	22 $\frac{7}{64}$	10 $\frac{5}{64}$	37	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
			400	J6N1 ^①	203.00	120	41 $\frac{1}{16}$	22 $\frac{7}{64}$	10 $\frac{5}{64}$	37	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
3	LD6, LXD6, HLD6, HLXD6, HHLXD6, HHLXD6, SLD6, SHLD6, SCJD6, SCLD6, LXD6H	2-3	600	LD6N1 ^①	352.00	101	46	22 $\frac{7}{64}$	10 $\frac{5}{64}$	42	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
			600	LD6N1 ^①	352.00	101	46	22 $\frac{7}{64}$	10 $\frac{5}{64}$	42	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
3	LMXD6, LMD6, HLMXD6, HLMD6	2-3	800	LMD1 ^①	703.00	132	60	22 $\frac{7}{64}$	10	55 $\frac{1}{2}$	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
			800	LMD1 ^①	703.00	132	60	22 $\frac{7}{64}$	10	55 $\frac{1}{2}$	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
3	MD6, MXD6, SMD6, HMD6, HMXD6, SHMD6, ND6, NXD6, SND6, HND6, HNXD6, SHND6, CMD6, SCMD6, CND6, SCND6	2-3	1200	MND61 ^①	703.00	132	60	22 $\frac{7}{64}$	10	55 $\frac{1}{2}$	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
			1200	MND61 ^①	703.00	132	60	22 $\frac{7}{64}$	10	55 $\frac{1}{2}$	18 $\frac{1}{2}$	2 $\frac{3}{4}$	—	—
—	PD6, PXD6, HPD6, HPXD6, CPD6, RD6, SPD6, SHPD6, RXD6, HRD6, HRXD6	3	2000	PRD6N1	4956.00	—	90	32	28	—	—	—	—	

For inches / millimeters conversion, see Application Data section.
 CSO - Consult Sales Office for pricing
 ① Surface mounted, indoor. If flush mounting is required, replace suffix "S" in catalog number with suffix "F". Also, if outdoor model required, use prefix "W" instead of "E".
 ② Discount Schedule B.

③ Does not include circuit breaker. Order circuit breaker separately.
 ④ Neutral not included. Order as separate item from table on next page.
 ⑤ Neutral included in enclosure.
 ⑥ Surface mounted, indoor. If outdoor model is required, use prefix "W" instead of "E". Not available in flush ("F") model.

⑦ Use for 110-125 ampere ED4, ED6, HED4 or HED6 circuit breakers.
 ⑧ Will not accept breaker with shunt trip.
 ⑨ Will not accept 2-pole GFCI or breaker with shunt trip.

Built to order. Consult sales office for factory lead time and prices.