Type FXD6-A①⑦

Blue Label

Non-Interchangeable Trip (Assembled Circuit Breaker – Without Lugs)

Continuous Current Rating @ 40°C	2-Pole② Catalog Number	2-Pole② List Price $	3-Pole Catalog Number	3-Pole List Price $
70	FXD62B070■	1715.00	FXD63B070	2168.00
80	FXD62B080■	1715.00	FXD63B080	2168.00
90	FXD62B090■	1715.00	FXD63B090	2168.00
100	FXD62B100	1715.00	FXD63B100	2168.00
110	FXD62B110■	1715.00	FXD63B110	2168.00
125	FXD62B125	1715.00	FXD63B125	2168.00
150	FXD62B150	1715.00	FXD63B150	2168.00
175	FXD62B175	1715.00	FXD63B175	2168.00
200	FXD62B200	1715.00	FXD63B200	2168.00
225	FXD62B225	1715.00	FXD63B225	2168.00
250	FXD62B250	2916.00	FXD63B250	3402.00

Type FD6-A⑦

Blue Label

Interchangeable Trip

Continuous Current Rating @ 40°C	Complete Breaker Unassembled with Lugs Catalog Number	Complete Breaker Unassembled with Lugs List Price $	Frame Only Catalog Number	Frame Only List Price $	Trip Unit Only Catalog Number	Trip Unit Only List Price $
2-Pole 600V AC, 250V DC②						
70	FD62B070■	1806.00			FD62T070■	894.00
80	FD62B080■	1806.00			FD62T080■	894.00
90	FD62B090■	1806.00			FD62T090■	894.00
100	FD62B100■	1806.00			FD62T100■	894.00
110	FD62B110■	1806.00			FD62T110■	894.00
125	FD62B125■	1806.00	FD62F250	828.00	FD62T125■	894.00
150	FD62B150	1806.00			FD62T150	894.00
175	FD62B175■	1806.00			FD62T175■	894.00
200	FD62B200	1806.00			FD62T200	894.00
225	FD62B225■	1806.00			FD62T225■	894.00
250	FD62B250■	3008.00			FD62T250■	2096.00
3-Pole 600V AC, 500V DC③						
70	FD63B070■	2299.00			FD63T070■	1102.00
80	FD63B080■	2299.00			FD63T080■	1102.00
90	FD63B090■	2299.00			FD63T090■	1102.00
100	FD63B100	2299.00			FD63T100	1102.00
110	FD63B110■	2299.00			FD63T110■	1102.00
125	FD63B125	2299.00	FD63F250	1071.00	FD63T125	1102.00
150	FD63B150	2299.00			FD63T150	1102.00
175	FD63B175	2299.00			FD63T175	1102.00
200	FD63B200	2299.00			FD63T200	1102.00
225	FD63B225	2299.00			FD63T225	1102.00
250	FD63B250	3536.00			FD63T250	2339.00

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	500③	220/240		380/415		500	
						Icu	Ics	Icu	Ics	Icu	Ics
FXD6-A, FD6-A	65	35	22	30 (2-P)	18 (3-P)	65	33	35	9	20	10
HFXD6⑥, HFD6⑥	100	65	25	30 (2-P)	25 (3-P)	100	50	65	33	42	21
HHFD6⑥, HHFXD6⑥	200	100	25	—	—	200	100	100	50	65	33
CFD6	200	200	100	50 (2-P)	50 (3-P)	—	—	—	—	—	—

Instantaneous Adjustment Trip Range

Breaker Ampere Rating	Nominal Instantaneous Values ±20% Tolerance Low	2	3	4	5	6	7	±20% Tolerance 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 6-76 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 6-76.

400 Hz Applications see page 6-76.

Lugs For 75°C Wire⑤

Catalog Number	Wire Range	List Price $
TA1FD350A	#6—350 kcmil Cu #4—350 kcmil Al	21.00
TC1FD350	#6—350 kcmil Cu	33.00
Compression Lug		
CCF250	350 kcmil Cu/Al	48.50

Enclosures

Type	Catalog Number	List Price $
1	F6N1S(F)	175.00
3R	F6N3R	577.00
4-4X	FD6SS4	4495.00
7-9	EC2	4586.00
12	F6N12	390.00
Neutral④	N250	136.00

Modifications page 6-76
Enclosures Section 5
Accessories pages 6-31 and 6-78 to 6-83

■ Built to order. Allow 2–3 weeks for delivery.

①Type FXD6-A circuit breakers are UL Listed for reverse fed applications.
②2-pole units are 3-pole width.
③When wired as shown on page 6-3, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems only.
④Order neutral as separate item.
⑤See **Note**: **A**, page 6-73.
⑥HFD6 and HHFD6 type circuit breakers meet the UL criteria for "current limiting" at 240 and 480V AC.
⑦HACR rated.

Molded Case Circuit Breakers

FD 250A Frame Sentron Series

Selection

Type HFD6, Type HFXD6②③④⑤⑥

Black 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 (3 Pole Width)						
70	HFD62B070■	3958.00			FD62T070■	894.00
80	HFD62B080■	3958.00			FD62T080■	894.00
90	HFD62B090■	3958.00			FD62T090■	894.00
100	HFD62B100■	3958.00			FD62T100■	894.00
110	HFD62B110■	3958.00			FD62T110■	894.00
125	HFD62B125■	3958.00	HFD62F250	2980.00	FD62T125■	894.00
150	HFD62B150■	3958.00			FD62T150■	894.00
175	HFD62B175■	3958.00			FD62T175■	894.00
200	HFD62B200■	3958.00			FD62T200■	894.00
225	HFD62B225■	3958.00			FD62T225■	894.00
250	HFD62B250■	5160.00			FD62T250■	2096.00
3-Pole 600V AC, 500V DC①						
70	HFD63B070■	4813.00			FD63T070■	1102.00
80	HFD63B080■	4813.00			FD63T080■	1102.00
90	HFD63B090■	4813.00			FD63T090■	1102.00
100	HFD63B100	4813.00			FD63T100	1102.00
110	HFD63B110■	4813.00			FD63T110■	1102.00
125	HFD63B125	4813.00	HFD63F250	3585.00	FD63T125	1102.00
150	HFD63B150	4813.00			FD63T150	1102.00
175	HFD63B175	4813.00			FD63T175	1102.00
200	HFD63B200	4813.00			FD63T200	1102.00
225	HFD63B225	4813.00			FD63T225	1102.00
250	HFD63B250	6050.00			FD63T250	2339.00

Type HHFD, HHFXD6②③④⑥

3-Pole 600V AC, Extra High Interrupting

70	HHFD63B070■	5587.00			FD63T070■	1102.00
80	HHFD63B080■	5587.00			FD63T080■	1102.00
90	HHFD63B090■	5587.00			FD63T090■	1102.00
100	HHFD63B100	5587.00			FD63T100	1102.00
110	HHFD63B110■	5587.00			FD63T110■	1102.00
125	HHFD63B125	5587.00	HHFD63F250	4359.00	FD63T125	1102.00
150	HHFD63B150	5587.00			FD63T150	1102.00
175	HHFD63B175	5587.00			FD63T175	1102.00
200	HHFD63B200	5587.00			FD63T200	1102.00
225	HHFD63B225	5587.00			FD63T225	1102.00
250	HHFD63B250	6824.00			FD63T250	2339.00

Type CFD6③⑥

Red Label

Fuseless Current Limiting

Non-Interchangeable Trip (Assembled Circuit Breaker Without Lugs)

Continuous Current Rating @ 40°C	3-Pole 600V AC/500V DC	
	Catalog Number	List Price $
70	CFD63B070■	6044.00
80	CFD63B080■	6044.00
90	CFD63B090■	6044.00
100	CFD63B100■	6044.00
110	CFD63B110■	6044.00
125	CFD63B125■	6044.00
150	CFD63B150	6044.00
175	CFD63B175	6044.00
200	CFD63B200	6044.00
225	CFD63B225	6044.00
250	CFD63B250	6716.00

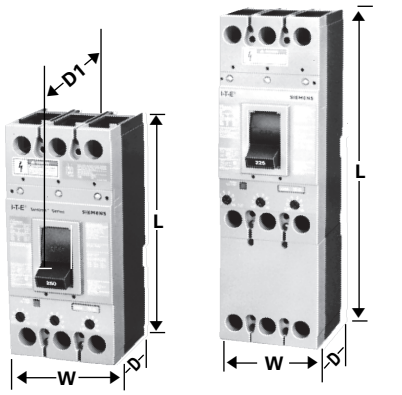

Figure 1 Figure 2

Dimensions (in inches)

Breaker Type	W	L	D	D1 (to handle)
Figure 1 FXD6-A, FD6-A, HFD6, HFXD6, HHFD6, FD6-ETI⑤	4.50	9.50	4	5.25
Figure 2 CFD6, CFD6-ETI⑤	4.50	14.25	4	5.25

Shipping Weights

Number of Poles	Number per Carton	Shipping Weight (lbs.)
FD6-A, HFD6, HHFD6, FXD6-A Assembled Circuit Breaker (less connectors)		
2	1	8.6
3	1	10
FD6-A, HFD6, HHFD6 Frame Only		
2	1	7.5
3	1	8.7
FD6 Trip Unit Only		
2	1	1.1
3	1	1.3
CFD6 Assembled Circuit Breaker (less terminals)		
2	1	31
3	1	34

■ Built to order. Allow 2–3 weeks for delivery.

① When wired as shown on page 6-3, this circuit breaker is UL listed and rated for use on 500V DC ungrounded UPS systems.

② For non-interchangeable trip 3-pole HFD6 type circuit breaker, change prefix identifier from HFD6 to HFXD6. Price equals frame and trip prices combined, e.g. price of HFXD63B250 equals price of HFD63F250 plus price of FD63T250. Order lugs separately.

③ Type HFXD6, HHFXD6, CFD6 are UL Listed for reverse feed applications.

④ Type HFXD6, HFD6, HHFD6, HHFXD6 meet the UL criteria for "Current Limiting" at 240 VAC and 480V AC.

⑤ FXD6, ETI, CFD6, ETI — See page 6-58 for ordering information.

⑥ HACR rated.