

Molded Case Circuit Breakers

# FD-Frame Sentron™ Series Circuit Breaker

2 & 3-Pole; 70-250 Amperes



**Ratings & Markings (UL 489 AIR Interrupting Ratings)**

Breaker Type	RMS Symmetrical Amperes (kA)					Frame Only - Interchangeable Trip		
	Volts AC (50/60Hz)			Volts DC		Breaker Type	Frame (2-Pole)	Frame (3-Pole)
	240	480	600	250	500			
FD6-A, FXD6-A	65	35	22	30 (2-Pole)	18 (3-Pole)	FD6-A	FD62F250	FD63F250
HFD6, HFXD6	100	65	25	30 (2-Pole)	25 (3-Pole)	HFD6	HFD62F250	HFD63F250
HHFD6, HHFXD6	200	100	25	—	—	HHFD6	—	HHFD63F250
CFD6	200	200	100	30 (2-Pole)	50 (3-Pole)	—	—	—

**Dimensions**

Breaker Type	Length	Width	Depth	D-1 (to handle)
FD6-A, FXD6-A, HFD6, HFXD6 HHFD6, HHFXD6	9.50 in	4.50 in	4.0 in	5.25 in
CFD6	14.25 in	4.50 in	4.0 in	5.25 in

**Frames**

Trip Amperage	Poles	Non-interchangeable Trip Assembled with no lugs				Interchangeable Trip Not assembled - shipped with CU/AL lugs			Trip Unit Only
		FXD6-A	HFXD6	HHFXD6	CFD6	FD6-A	HFD6	HHFD6	
70	2	FXD62B070	—	—	—	FD62B070	HFD62B070	—	FD62T070
80	2	FXD62B080	—	—	—	FD62B080	HFD62B080	—	FD62T080
90	2	FXD62B090	—	—	—	FD62B090	HFD62B090	—	FD62T090
100	2	FXD62B100	—	—	—	FD62B100	HFD62B100	—	FD62T100
110	2	FXD62B110	—	—	—	FD62B110	HFD62B110	—	FD62T110
125	2	FXD62B125	—	—	—	FD62B125	HFD62B125	—	FD62T125
150	2	FXD62B150	—	—	—	FD62B150	HFD62B150	—	FD62T150
175	2	FXD62B175	—	—	—	FD62B175	HFD62B175	—	FD62T175
200	2	FXD62B200	—	—	—	FD62B200	HFD62B200	—	FD62T200
225	2	FXD62B225	—	—	—	FD62B225	HFD62B225	—	FD62T225
250	2	FXD62B250	—	—	—	FD62B250	HFD62B250	—	FD62T250
70	3	FXD63B070	HFXD63B070	HHFXD63B070	CFD63B070	FD63B070	HFD63B070	HHFD63B070	FD63T070
80	3	FXD63B080	HFXD63B080	HHFXD63B080	CFD63B080	FD63B080	HFD63B080	HHFD63B080	FD63T080
90	3	FXD63B090	HFXD63B090	HHFXD63B090	CFD63B090	FD63B090	HFD63B090	HHFD63B090	FD63T090
100	3	FXD63B100	HFXD63B100	HHFXD63B100	CFD63B100	FD63B100	HFD63B100	HHFD63B100	FD63T100
110	3	FXD63B110	HFXD63B110	HHFXD63B110	CFD63B110	FD63B110	HFD63B110	HHFD63B110	FD63T110
125	3	FXD63B125	HFXD63B125	HHFXD63B125	CFD63B125	FD63B125	HFD63B125	HHFD63B125	FD63T125
150	3	FXD63B150	HFXD63B150	HHFXD63B150	CFD63B150	FD63B150	HFD63B150	HHFD63B150	FD63T150
175	3	FXD63B175	HFXD63B175	HHFXD63B175	CFD63B175	FD63B175	HFD63B175	HHFD63B175	FD63T175
200	3	FXD63B200	HFXD63B200	HHFXD63B200	CFD63B200	FD63B200	HFD63B200	HHFD63B200	FD63T200
225	3	FXD63B225	HFXD63B225	HHFXD63B225	CFD63B225	FD63B225	HFD63B225	HHFD63B225	FD63T225
250	3	FXD63B250	HFXD63B250	HHFXD63B250	CFD63B250	FD63B250	HFD63B250	HHFD63B250	FD63T250

**Frames - Magnetic Trip Only - ETI Motor Circuit Protector**

Ampere Rating	Poles	Minimum	Maximum	FXD6	CFD6
150	3	400	800	FXD63L150	CFD63L150
150	3	800	1500	FXD63A150	CFD63A150
150	3	1100	2500	FXD63H150	CFD63H150
250	3	1100	2500	FXD63A250	CFD63A250

**Frames - Molded Case Switch - Circuit Disconnect**

Ampere Rating	Poles	FXD6	HFXD6	CFD6
250	2	FXD62S250A	HFXD62S250A	—
250	3	FXD63S250A	HFXD63S250A	CFD63S250A

### Terminals / Wire Ranges (Lug Information)

Lugs For 75°C Wire	
Catalog Number	Wire Range
TA1FD350A	#6—350 kcmil Cu #4—350 kcmil Al
TC1FD350	#6—350 kcmil Cu
Compression Lug	
CCF250	350 kcmil Cu/Al

### Shunt Trip Combinations

Control Voltage		1 Shunt Trip
AC	DC	Catalog Number
24	—	S17FD60
120	—	S01FD60
240	—	S03FD60
277	—	S15FD60
480	—	S04FD60
600	—	S06FD60
—	12	S16FD60
—	24	S07FD60
—	48	S09FD60
—	125	S11FD60
—	250	S13FD60

### Auxiliary Switch Combinations / Alarm Switch Combinations

Maximum Voltage		Combinations	Catalog Number
AC	DC		
240	—	1 Auxillary Switch	A01FD62
240	—	2 Auxillary Switches	A02FD62
480	—	1 Auxillary Switch	A01FD64
480	—	2 Auxillary Switches	A02FD64
—	12	2 Aux Switches- Gold Plated Contacts - For PLC Use	A01FDLV
480	250	1 Alarm Switch	B00FD64
480	250	1 Alarm Switch & 1 Auxillary Switch	C01FD64

### Undervoltage Trip Combinations

Control Voltage		1 Undervoltage Trip	1 Undervoltage Trip and 1 Auxillary Switch
AC	DC	Catalog Number	Catalog Number
120	—	U01FD60	W01FD64
208	—	U02FD60	W02FD64
240	—	U03FD60	W03FD64
277	—	U16FD60	W16FD64
480	—	U06FD60	W06FD64
600	—	U08FD60	—
—	24	U13FD60	W13FD64
—	48	U14FD60	W14FD64
—	125	U10FD60	W10FD64
—	250	U12FD60	W12FD64

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