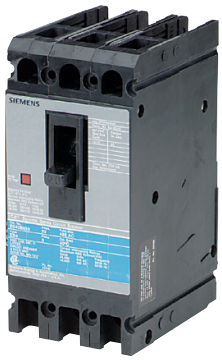
SIEMENS
Ingenuity for life

Molded Case Circuit Breakers

ED-Frame Sentron Series Circuit Breaker

1, 2, & 3-pole; 15 to 125 Amperes



Ratings & Markings (UL 489 AIR Interrupting Ratings)

	RMS Symmetrical Amperes (kA)									
	Volts AC (50/60Hz)						Volts DC			
Breaker Type	120	240	277	347	480	600	125	250	500	600
ED2 (1-P)	10	–	-–	–	–	–	5	–	–	–
ED2 (2, 3-P)	–	10	–	–	–	–	–	5 (2-P)	–	–
ED4 (1-P)	65	–	22	–	–	–	30	–	–	–
ED4 (2, 3-P)	–	65	–	–	18	–	–	30 (2-P)	–	–
ED6 (1-P)	–	–	–	30	–	–	–	30	–	–
ED6 (2, 3-P)	–	65	–	–	25	18	–	–	18 (3-P)	–
ED6 (3-P)	–	–	–	–	–	–	–	–	–	10
HED4 (1-P) (15-30A)	100	–	65	–	–	–	30	–	–	–
HED4 (1-P) (35-100A)	100	-–	25	–	–	–	30	–	–	–
HED4 (2, 3P)	–	100	–	–	42	–	–	30 (2-P)	–	–
HHED6 (2, 3-P)	–	100	–	–	65	18	–	–	–	–
CED6 (2, 3-P)	–	200	–	–	200	100	–	50 (2-P)	30 (3-P)	–

Footnote: 600VDC for ED6 only

Dimensions

Breaker Type	Poles	Length	Width	Depth	D-1 (over handle)
ED2, ED4, ED6, HED4	1	6.35	1	3.92	4.56
	2	6.35	2	3.92	4.56
	3	6.35	3	3.92	4.56
HHED6	2	6.53	2	3.92	4.56
	3	6.53	3	3.92	4.56
CED6	2	9.58	2	3.92	4.56
	3	9.58	3	3.92	4.56

Magnetic Trip Only – ETI Motor Circuit Protector

Breaker Type	Ampere Rating	Instantaneous Trip Range①		Complete Circuit Breaker Without Lugs③	
		Minimum②	Maximum②	Catalog Number 2-Pole	Catalog Number 3-Pole
ED6-A 600V AC 250V DC	1	2.6	9	—	ED63A001
	2	7	22	—	ED63A002
	3	10	35	—	ED63A003
	5	16	54	—	ED63A005
	10	30	100	—	ED63A010
	25	55	180	—	ED63A025
	30	80	270	—	ED63A030
	40	115	375	—	ED63A040
	50	180	600	—	ED63A050
	100	315	1000	—	ED63A100
	125	500	1250	—	ED63A125
CED6-A 600V AC 250V DC	1	2.6	9	—	CED63A001
	2	7	22	—	CED63A002
	3	10	35	—	CED63A003
	5	16	54	—	CED63A005
	10	30	100	—	CED63A010
	25	55	180	—	CED63A025
	30	80	270	—	CED63A030
	40	115	375	—	CED63A040
	50	180	600	—	CED63A050
	100	315	1000	—	CED63A100
	125	500	1250	—	CED63A125

Shunt Trip Combinations

Control Voltage		1 Shunt Trip	1 Shunt Trip and 1 Auxiliary Switch	1 Shunt Trip 1 Auxiliary Switch and 1 Alarm Switch	1 Shunt Trip and 1 Alarm Switch	1 Shunt Trip and 2 Auxiliary Switches
AC	DC	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
24	–	S17ED60	–	–	–	–
48	–	S18ED60	–	–	–	–
120	–	S01ED60	S01ED62A	S01ED62AB	S01ED62B	S01ED62AA
208	–	–	S02ED62A	S02ED62AB	S02ED62B	S02ED62AA
240	–	S03ED60	S03ED62A	S03ED62AB	S03ED62B	S03ED62AA
277	–	S15ED60	S15ED64A	S15ED64AB	S15ED64B	–
480	–	S04ED60	S04ED64A	S04ED64AB	S04ED64B	–
–	12	S16ED60	S16ED62A	–	–	–
–	24	S07ED60	S07ED62A	S07ED62AB	S07ED62B	S07ED62AA
–	48	S09ED60	S09ED62A	S09ED62AB	S09ED62B	S09ED62AA
–	125	S11ED60	S11ED62A	S11ED62AB	S11ED62B	S11ED62AA
–	250	S13ED60	S13ED62A	S13ED62AB	S13ED62B	S13ED62AA

Undervoltage Trip Combinations

Control Voltage		1 Undervoltage Trip	1 Undervoltage Trip and 1 Auxiliary Switch	1 Undervoltage Trip and 1 Auxiliary Switch and 1 Alarm Switch	1 Undervoltage Trip and 1 Alarm Switch	1 Undervoltage Trip and 2 Auxiliary Switches
AC	DC	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
120	–	U01ED60	U01ED62A	U01ED62AB	U01ED62B	U01ED62AA
208	–	U02ED60	U02ED62A	U02ED62AB	U02ED62B	U02ED62AA
240	–	U03ED60	U03ED62A	U03ED62AB	U03ED62B	U03ED62AA
277	–	U16ED60	U16ED64A	U16ED64AB	U16ED64B	–
480	–	U06ED60	U06ED64A	U06ED64AB	U06ED64B	–
600	–	U08ED60	–	–	–	–
–	24	U13ED60	U13ED62A	U13ED62AB	U13ED62B	U13ED62AA
–	48	U14ED60	U14ED62A	U14ED62AB	U14ED62B	U14ED62AA
–	125	U10ED60	U10ED62A	U10ED62AB	U10ED62B	U10ED62AA
–	250	U12ED60	U12ED62A	–	–	U12ED62AA

① When applied on DC Circuits — Trip levels will increase approximately +15 to 20%.

② Tolerance -20%/+30% for lowest setting. All other settings are -20%/+20%

③ Connectors included when ordering by circuit breaker catalog number for HEM, ED and CED6 ETIs. Order ETI circuit breaker and lugs (2 per pole) separately for the FXD6, CFD6, MXD6, CMD6, JXD6, CJD6, LXD6 and CLD6 ETI's.