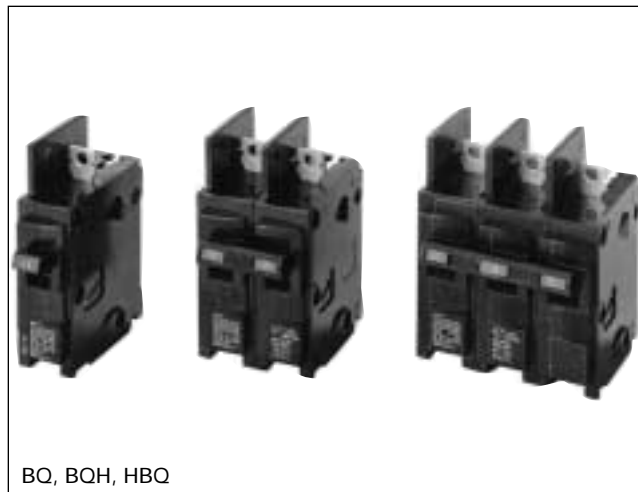




Thermal-Magnetic Trip Breakers

Page			General Purpose Breakers								
			BQ	BQH	HBO	QJ2	QJH2	QJ2-H	HQJ2-H	CQD	
Ratings			824	824	824	826	826	826	826	827	
AC	Poles		1, 2, 3	1, 2, 3	1, 2, 3	2, 3	2, 3	2, 3	3	1, 2, 3	
	Amperes, Continuous	1-Pole	15-70	15-70	15-50	—	—	—	—	—	15-100
		2-Pole	15-125	15-100	15-70	60-225	60-225	60-225	—	—	15-100
		3-Pole	15-100	15-100	15-100						100-225
	Volts (60 Hertz)	1-Pole	120/240	120/240	120/240	—	—	—	—	—	277
		2-Pole				—	—	—	—	—	—
		3-Pole	240	240	240	240	240	240	240	—	480/277
	UL Interrupting Rating — Symmetrical RMS Amperes	120V	10,000	22,000	65,000	—	—	—	—	—	65,000
		240V	10,000	22,000	65,000	10,000	22,000	42,000	100,000	—	65,000
		480/277V	—	—	—	—	—	—	—	—	14,000
600/347V		—	—	—	—	—	—	—	—	10,000 [®]	
DC	Volts — 2-Pole	—	—	—	—	—	—	—	—	250	
	Interrupting Rating — DC Amperes	—	—	—	—	—	—	—	—	14,000	
Dimensions in inches	Height	15-50A	3.75	3.75	4.00	—	—	—	—	4.50	
		55-125A	4.00	4.00	4.00	—	—	—	—	4.50	
		60-225A	—	—	—	7.00	7.00	7.00	7.00	—	
	Width	1-Pole	1.00	1.00	1.00	—	—	—	—	—	1.00
		2-Pole	2.00	2.00	2.00	3.00	3.00	3.00	—	—	2.00
3-Pole		3.00	3.00	3.00	4.50	4.50	4.50	4.50	4.50	3.00	
Depth		2.37	2.37	2.37	2.34	2.34	2.53	2.53	2.87		
Overcurrent Devices	Thermal and Fixed Magnetic Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Molded Case Switch	✓	—	—	✓	—	—	—	—	—	
Accessories & Modifications	Undervoltage Trip	—	—	—	—	—	—	—	—	✓	
	Shunt Trip	✓	✓	✓	✓ ^①	✓ ^①	✓ ^①	✓ ^①	✓ ^①	✓	
	Auxiliary Switch	✓	✓	✓	✓ ^①	✓ ^①	✓ ^①	✓ ^①	✓ ^①	✓	
	Alarm Switch	—	—	—	✓	✓	—	—	—	✓	
	Mechanical Interlock	—	—	—	✓	✓	✓	✓	✓	—	
	Fungus Proofing (ref. page 857)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Individual Enclosures	Type 1 — Indoor Surface	✓	✓	✓	✓	✓	✓	✓	✓	—	
	Type 1 — Indoor, Flush	✓	✓	✓	✓	✓	✓	✓	✓	—	
	Type 3R — Outdoor-Rainproof	✓	✓	✓	✓	✓	✓	✓	✓	—	

16 Molded Case Circuit Breakers



BQ, BQH, HBO



QJ2, QJH2, QJ2-H



CQD

For inches / millimeters conversion, see page 935.
^①3-pole breakers only (factory installed only).
[®]Type CQD6—CSA only.



Thermal-Magnetic Trip Breakers

16

Molded Case
Circuit Breakers

Page			General Purpose Breakers											
			ED2	ED4	ED6	HED4	HHED6	CED6	FD6A, FXD6A	HFD6, HFXD6	HHFD6, HHFXD6	CFD6		
Ratings	AC	Poles	1, 2, 3	1, 2, 3	1 [Ⓢ] , 2, 3	1, 2, 3	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3		
		Amperes, Continuous	15-100	15-125	15-125	15-125	15-125	15-125	70-250	70-250	70-250	70-250		
		Volts 50/60HZ	1-Pole	120	277	347	277	—	—	—	—	—	—	
			2-Pole	240	480	600	480	600	600	600	600	600	600	
			3-Pole	—	—	—	—	—	—	—	—	—	—	
		Interrupt Rating Symmetrical RMS Amperes	UL	120V	10,000	—	—	—	—	—	—	—	—	
				240V	10,000	65,000	65,000	100,000	100,000	200,000	65,000	100,000	200,000	
				277V	—	22,000 [Ⓢ]	—	65,000 [Ⓢ]	—	—	—	—	—	—
				347V	—	—	30,000	—	—	—	—	—	—	—
				480V	—	18,000	25,000	42,000	65,000	200,000	35,000	65,000	100,000	200,000
	600V			—	—	18,000	—	25,000	100,000	18,000	25,000	25,000	100,000	
	IEC 947-2 50/60HZ		220/240V	Icu	—	—	65,000	—	—	200,000 [Ⓢ]	65,000	100,000	200,000	—
				Ics	—	—	17,000	—	—	—	33,000	50,000	100,000	—
			380/415V	Icu	—	—	35,000	—	—	200,000 [Ⓢ]	35,000	65,000	100,000	—
				Ics	—	—	9,000	—	—	—	18,000	33,000	50,000	—
500V	Icu	—	—	18,000	—	—	—	20,000	42,000	65,000	—			
	Ics	—	—	5,000	—	—	—	10,000	21,000	33,000	—			
DC	2-Pole, 250V DC Interrupting Ratings		5,000	30,000	30,000	30,000	—	30,000	30,000	30,000	—	30,000		
	3-Pole, 500V DC Interrupting Ratings [Ⓢ]		—	—	18,000	—	—	50,000	18,000	25,000	—	50,000		
Dimensions in inches	Height		6.34	6.34	6.34	6.34	6.58	9.26	9.50	9.50	9.50	14.12		
	Width	1-Pole	1.00	1.00	1.00	1.00	—	—	—	—	—	—		
		2-Pole	2.00	2.00	2.00	2.00	2.00	2.00	4.50	4.50	4.50	4.50		
		3-Pole	3.00	3.00	3.00	3.00	3.00	3.00	4.50	4.50	4.50	4.50		
Depth		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00			
Overcurrent Devices	Thermal and Fixed Magnetic Trip		✓	✓	✓	✓	✓	✓	—	—	—	—		
	Thermal and Adjustable Magnetic Trip		—	—	—	—	—	—	✓	✓	✓	✓		
	Adjustable Magnetic Trip Only Motor Circuit Protector		—	—	✓	—	—	✓	✓	—	—	✓		
	Molded Case Switch		✓	✓	✓	—	—	✓	✓	—	—	✓		
Accessories & Modifications	Undervoltage Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Shunt Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Auxiliary Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Alarm Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Mechanical Interlock		—	—	—	—	—	—	✓	✓	✓	✓		
	Rear Connection Studs		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Electric Motor Operator		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Plug-In Mounting Assembly		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Fungus Proofing (ref. page 857)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Individual Enclosures	Type 1 — Indoor Surface		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Type 1 — Indoor, Flush		✓	✓	✓	✓	✓	✓	—	✓	—	✓		
	Type 3R — Outdoor-Rainproof		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Type 7 — Flammable Gas Atmosphere		✓	✓	✓	✓	✓	—	✓	✓	✓	—		
	Type 9 — Combustion Dusttight		✓	✓	✓	✓	✓	—	✓	✓	✓	—		
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Type 12K — Semi-Dusttight		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

For inches / millimeters conversion, see page 935.

Ⓢ 1-pole only.

Ⓢ 40-100A: 25,000 AIR at 277V AC.

Ⓢ For DC UPS system application.

Ⓢ Single pole ED6 (15-30A) 30kA, (35-100A) 18 kA. CSA Only.



Thermal-Magnetic Trip Breakers

Page			General Purpose Breakers											
			JXD2-A	JD6-A, JXD6-A	HJD6-A, HJXD6-A	HHJD6-A, HHJXD6-A	CJD6	LD6, LXD6	HLD6, HLXD6	HHLXD6, HHLXD6	CLD6			
Ratings	AC	Poles	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3	2, 3			
		Amperes, Continuous	200-400	200-400	200-400	200-400	200-400	450-600	250-600	250-600	450-600			
		Volts 50/60HZ	2-Pole	240	600	600	600	600	600	600	600	600		
			3-Pole	240	600	600	600	600	600	600	600	600		
		Interrupt Rating Symmetrical RMS Amperes	UL	240V	65,000	65,000	100,000	200,000	200,000	65,000	100,000	200,000	200,000	
				480V	—	35,000	65,000	100,000	150,000	35,000	65,000	100,000	150,000	
				600V	—	25,000	35,000	50,000	100,000	25,000	35,000	50,000	100,000	
				Icu	—	65,000	100,000	200,000	—	65,000	100,000	200,000	—	
			IEC 947-2 50/60HZ	220/240V	Ics	—	33,000	50,000	100,000	—	33,000	50,000	100,000	—
					Icu	—	40,000	65,000	100,000	—	40,000	65,000	100,000	—
	380/415V			Ics	—	20,000	33,000	50,000	—	20,000	33,000	50,000	—	
				Icu	—	30,000	42,000	65,000	—	30,000	42,000	65,000	—	
	500V	Ics	—	15,000	21,000	33,000	—	15,000	21,000	33,000	—			
		Icu	—	15,000	21,000	33,000	—	15,000	21,000	33,000	—			
	DC	2-Pole 250V DC Interrupting Ratings		30,000	30,000	30,000	—	30,000	30,000	30,000	—	30,000		
3-Pole, 500V DC Interrupting Ratings [Ⓢ]		—	25,000	35,000	—	50,000	25,000	35,000	—	50,000				
Dimensions in inches	Height		11.00	11.00	11.00	11.00	17.86	11.00	11.00	11.00	17.86			
	Width	2-Pole	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50			
		3-Pole	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50			
Depth		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00				
Overcurrent Devices	Thermal and Adjustable Magnetic Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Adjustable Magnetic Trip Only Motor Circuit Protector		—	—	—	—	✓	✓	—	—	✓			
	Molded Case Switch		✓	✓	—	—	✓	✓	—	—	✓			
Accessories & Modifications	Undervoltage Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Shunt Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Auxiliary Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Alarm Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Mechanical Interlock		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Rear Connection Studs		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Electric Motor Operator		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Plug-In Mounting Assembly		✓	✓	✓	✓	✓	✓	✓	✓	✓			
Fungus Proofing (ref. page 857)		✓	✓	✓	✓	✓	✓	✓	✓	✓				
Individual Enclosures	Type 1 — Indoor Surface		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Type 1 — Indoor, Flush		—	—	—	—	—	✓	—	—	—			
	Type 3R — Outdoor-Rainproof		✓	✓	✓	✓	—	✓	✓	✓	—			
	Type 7 — Flammable Gas Atmosphere		✓	✓	✓	✓	—	✓	✓	✓	—			
	Type 9 — Combustion Dusttight		✓	✓	✓	✓	—	✓	✓	✓	—			
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants		✓	✓	✓	✓	✓	✓	✓	✓	✓			
Type 12K — Semi-Dusttight		—	✓	✓	✓	—	✓	✓	✓	—				

For inches / millimeters conversion, see page 935.
[Ⓢ]For DC UPS application.



Thermal-Magnetic Trip Breakers

16

Molded Case
Circuit Breakers

			General Purpose Breakers										
			LMD6, LMXD6	HLMD6, HLMXD6	MD6, MXD6	HMD6, HMXD6	CMD6	ND6, NXD6	HND6, HNXD6	CND6			
Page			836	837	838	839	839	840	841	841			
Ratings	AC	Poles	2, 3	2, 3	2, 3	2, 3	3	2, 3	2, 3	3			
		Amperes, Continuous	500-800	500-800	500-600	500-800	400-800	800-1200	800-1200	800-1200			
		Volts 50/60 HZ	2-Pole	600	600	600	600	600	600	600	600		
			3-Pole	600	600	600	600	600	600	600	600		
		Interrupt Rating Symmetrical RMS Amperes	UL	240V	65,000	100,000	65,000	100,000	200,000	65,000	100,000	200,000	
				480V	50,000	65,000	50,000	65,000	100,000	50,000	65,000	100,000	
				600V	25,000	25,000	25,000	50,000	65,000	25,000	50,000	65,000	
			IEC 947-2 50/60HZ	220/240V	Icu	65,000	100,000	65,000	100,000	200,000	65,000	100,000	200,000
					Ics	33,000	50,000	33,000	50,000	100,000	33,000	50,000	100,000
				380/415V	Icu	40,000	65,000	40,000	65,000	100,000	40,000	65,000	100,000
	Ics				20,000	33,000	20,000	33,000	50,000	20,000	33,000	50,000	
	500V			Icu	30,000	42,000	30,000	42,000	65,000	30,000	42,000	65,000	
Ics	15,000	21,000	15,000	21,000	33,000	15,000	21,000	33,000					
DC	2-Pole 250V DC Interrupting Ratings		30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000			
	3-Pole, 500V DC Interrupting Ratings [Ⓞ]		25,000	50,000	25,000	50,000	50,000	25,000	50,000	50,000			
Dimensions in inches	Height		16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00			
	Width	2-Pole	7.50	7.50	9.00	9.00	—	9.00	9.00	—			
		3-Pole	—	—	—	—	9.00	—	—	9.00			
Depth		4.59	4.59	6.19	6.19	6.19	6.19	6.19	6.19				
Overcurrent Devices	Thermal and Fixed Magnetic Trip		—	—	—	—	—	—	—	—			
	Thermal and Adjustable Magnetic Trip		✓	✓	✓	✓	✓	✓	✓	✓			
	Adjustable Magnetic Trip Only Motor Circuit Protector		✓	—	✓	—	✓	—	—	—			
	Molded Case Switch		✓	✓	✓	—	✓	✓	—	✓			
Accessories & Modifications	Undervoltage Trip		✓	✓	✓	✓	✓	✓	✓	✓			
	Shunt Trip		✓	✓	✓	✓	✓	✓	✓	✓			
	Auxiliary Switch		✓	✓	✓	✓	✓	✓	✓	✓			
	Alarm Switch		✓	✓	✓	✓	✓	✓	✓	✓			
	Mechanical Interlock		✓	✓	✓	✓	✓	✓	✓	✓			
	Rear Connection Studs		✓	✓	✓	✓	✓	✓	✓	✓			
	Electric Motor Operator		✓	—	✓	✓	✓	✓	✓	✓			
	Plug-In Mounting Assembly		—	✓	✓	✓	✓	—	✓	✓			
Fungus Proofing (ref. page 857)		✓	✓	✓	✓	✓	✓	✓	✓				
Individual Enclosures	Type 1 — Indoor Surface		✓	—	✓	✓	✓	✓	✓	✓			
	Type 1 — Indoor, Flush		—	✓	—	—	—	—	—	—			
	Type 3R — Outdoor-Rainproof		✓	—	✓	✓	✓	✓	—	✓			
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants		—	—	✓	✓	✓	✓	✓	✓			
	Type 7 — Flammable Gas Atmosphere		—	—	—	—	—	—	—	—			
	Type 9 — Combustion Dusttight		—	—	—	—	—	—	—	—			
Type 12K — Semi-Dusttight		✓	✓	✓	✓	—	✓	✓	—				

For inches / millimeters conversion, see page 935.

ⓄFor DC UPS application.



Thermal-Magnetic Trip Breakers

Page			General Purpose Breakers							
			PD6 [Ⓞ] , PXD6 [Ⓞ]	HPD6 [Ⓞ] , HPXD6 [Ⓞ]	CPD6 [Ⓞ]	RD6 [Ⓞ] , RXD6 [Ⓞ]	HRD6 [Ⓞ] , HRXD6 [Ⓞ]			
Ratings			842	842	842	843	843			
	AC	Poles	3	3	3	3	3			
		Amperes, Continuous	1200-1600	1200-1600	1200-1600	1600-2000	1600-2000			
		Volts 50/60 HZ	3-Pole	600	600	600	600	600		
				240V	65,000	100,000	200,000	65,000	100,000	
		Interrupt Rating Symmetrical RMS Amperes	UL	480V	50,000	65,000	100,000	50,000	65,000	
				600V	25,000	50,000	65,000	25,000	50,000	
				IEC 947-2 50/60HZ	220/240V	Icu	65,000	100,000	200,000	65,000
			Ics			33,000	50,000	100,000	33,000	50,000
			380/415V		Icu	40,000	65,000	100,000	40,000	65,000
				Ics	10,000	17,000	25,000	10,000	17,000	
	500V	Icu	30,000	42,000	65,000	30,000	42,000			
		Ics	8,000	21,000	17,000	8,000	21,000			
	DC	2-Pole 250V DC Interrupting Ratings		30,000	30,000	30,000	30,000	30,000		
3-Pole, 500V DC Interrupting Ratings [Ⓞ]		25,000	50,000	50,000	25,000	50,000				
Dimensions in inches	Circuit breakers require Connect-all mounting block. Dimensions shown are for circuit breaker only.		Height	16.00	16.00	16.00	16.00	16.00		
			Width	9.00	9.00	9.00	9.00	9.00		
			Depth	6.19	6.19	6.19	6.19	6.19		
Overcurrent Devices	Thermal and Adjustable Magnetic Trip		✓	✓	✓	✓	✓			
	Molded Case Switch		✓	—	—	✓	—			
Accessories & Modifications	Undervoltage Trip		✓	✓	✓	✓	✓			
	Shunt Trip		✓	✓	✓	✓	✓			
	Auxiliary Switch		✓	✓	✓	✓	✓			
	Alarm Switch		✓	✓	✓	✓	✓			
	Mechanical Interlock		✓	✓	✓	✓	✓			
	Electric Motor Operator		✓	✓	✓	✓	✓			
	Fungus Proofing (ref. page 857)		✓	✓	✓	✓	✓			
	Mounting Block (required)		✓	✓	✓	✓	✓			
Individual Enclosures	Type 1 — Indoor Surface		✓	✓	✓	✓	✓			
	Type 1 — Indoor, Flush		—	—	—	—	—			
	Type 3R — Outdoor-Rainproof		—	—	—	—	—			
	Type 7 — Flammable Gas Atmosphere		—	—	—	—	—			
	Type 9 — Combustion Dusttight		—	—	—	—	—			
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants		—	—	—	—	—			
	Type 12K — Semi-Dusttight		—	—	—	—	—			

16
Molded Case
Circuit Breakers

For inches / millimeters conversion, see page 935.

ⓄFor DC UPS application.

Ⓞ Requires Connect-all mounting assembly. Dimensions shown are for circuit breaker only.



Electronic Trip Breakers

16

Molded Case Circuit Breakers

				Solid State Trip Circuit Breakers									
				SJD6	SHJD6	SCJD6	SLD6	SHLD6	SCLD6	SMD6	SHMD6	SCMD6	
Page				846	846	846	847	847	847	848	848	848	
Ratings	AC	Poles		3	3	3	3	3	3	3	3	3	
		Amperes, Continuous		200-400	200-400	200-400	300-600	300-600	300-600	600-800	600-800	600-800	
		Volts 50/60 HZ	3-Pole	600	600	600	600	600	600	600	600	600	
		Interrupt Rating Symmetrical RMS Amperes	UL	240V	65,000	100,000	200,000	65,000	100,000	200,000	65,000	100,000	200,000
				600V	35,000	65,000	150,000	35,000	65,000	150,000	50,000	65,000	100,000
Dimensions in inches	Height		11.00	11.00	17.86	11.0	11.00	17.86	10.00	16.00	16.00		
	Width	3-Pole	7.50	7.50	7.50	7.50	7.50	7.50	9.00	9.00	9.00		
	Depth		4.00	4.00	4.00	4.00	4.00	4.00	6.19	6.19	6.19		
Overcurrent Devices	Solid State Trip			✓	✓	✓	✓	✓	✓	✓	✓		
Accessories & Modifications	Undervoltage Trip			✓	✓	✓	✓	—	✓	✓	✓		
	Shunt Trip			✓	✓	✓	✓	✓	✓	✓	✓		
	Auxiliary Switch			✓	✓	✓	✓	✓	✓	✓	✓		
	Alarm Switch			✓	✓	✓	✓	✓	✓	✓	✓		
	Mechanical Interlock			—	—	—	—	—	—	✓	✓		
	Rear Connection Studs			✓	✓	✓	✓	✓	✓	✓	✓		
	Electric Motor Operator			✓	✓	✓	✓	✓	✓	✓	✓		
	Plug-In Mounting Assembly			✓	✓	✓	✓	✓	✓	✓	✓		
	Fungus Proofing (ref. page 857)			✓	✓	✓	✓	✓	✓	✓	✓		
Individual Enclosures	Type 1 — Indoor Surface			✓	✓	—	✓	✓	—	✓	✓		
	Type 1 — Indoor, Flush			—	—	—	—	—	—	—	—		
	Type 3R — Outdoor-Rainproof			✓	✓	—	✓	✓	—	✓	✓		
	Type 7 — Flammable Gas Atmosphere			✓	✓	—	✓	✓	—	—	—		
	Type 9 — Combustion Dusttight			✓	✓	—	✓	✓	—	—	—		
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants			✓	✓	✓	✓	✓	✓	✓	✓		
	Type 12K — Semi-Dusttight			✓	✓	—	✓	✓	—	✓	—		

For inches / millimeters conversion, see page 935.



Electronic Trip Breakers

Page			Solid State Trip Circuit Breakers							Insulated Case Circuit Breakers					
			SND6	SHND6	SCND6	SPD6 ^①	SHPD6 ^①	STD6 ^②	SHTD6 ^②	SHHTD6 ^②	SBA ^②	SBS ^②	SBH ^②		
Ratings	AC	Poles	3	3	3	3	3	3	3	3	3	3	3		
		Amperes, Continuous	800-1200	800-1200	800-1200	1200-1600	1200-1600	2000-3200	2000-3200	2000-3200	400-2000	400-5000	2000-5000		
		Volts 50/60HZ	3-Pole	600	600	600	600	600	600	600	600	600	600		
		Interrupt Rating Symmetrical RMS Amperes	UL	240V	65,000	100,000	200,000	65,000	100,000	65,000	100,000	200,000	65,000	150,000	200,000
				480V	50,000	65,000	100,000	50,000	65,000	35,000	65,000	150,000	65,000	100,000	150,000
				600V	25,000	50,000	65,000	25,000	50,000	25,000	35,000	100,000	50,000	85,000	100,000
			EC 947-2 50/60HZ	380/415V	lcu	—	—	—	—	—	—	—	—	100	—
					lcs	—	—	—	—	—	—	—	—	100	—
				690V	lcu	—	—	—	—	—	—	—	—	65	—
		lcs	—	—	—	—	—	—	—	—	—	65	—		
Dimensions in inches	Height	16.00	16.00	16.00	16.00	16.00	27.5	27.5	27.5	—	—	—			
	Width	9.00	9.00	9.00	9.00	9.00	14.12	14.12	14.12	—	—	—			
	Depth	6.19	6.19	6.19	6.19	6.19	11.38	11.38	11.38	—	—	—			
Overcurrent Devices	Solid State Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Accessories & Modifications	Undervoltage Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Shunt Trip	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Auxiliary Switch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Alarm Switch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Mechanical Interlock	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓			
	Rear Connection Studs	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓			
	Electric Motor Operator	✓	✓	✓	✓	—	—	—	—	—	—	—			
	Plug-In Mounting Assembly	—	—	✓	—	✓	—	—	—	—	—	—			
	Stored Energy Mechanism	—	—	—	—	—	—	—	—	✓	✓	✓			
	Drawout Construction	—	—	—	—	—	—	—	—	✓	✓	✓			
Fungus Proofing (ref. page 857)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Individual Enclosures	Type 1 — Indoor Surface	✓	✓	✓	✓	—	—	—	—	—	—	—			
	Type 1 — Indoor, Flush	—	—	—	—	—	—	—	—	—	—	—			
	Type 3R — Outdoor-Rainproof	✓	—	✓	—	—	—	—	—	—	—	—			
	Type 7 — Flammable Gas Atmosphere	—	—	—	—	—	—	—	—	—	—	—			
	Type 9 — Combustion Dusttight	—	—	—	—	—	—	—	—	—	—	—			
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants	✓	✓	✓	—	—	—	—	—	—	—	—			
Type 12K — Semi-Dusttight	✓	✓	—	—	—	—	—	—	—	—	—				

For inches / millimeters conversion, see page 935.
 ① Requires connect-all mounting block assembly. Dimensions shown are for circuit breaker.
 ② Breaker has rating plugs which can be changed within each frame rating.