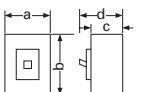


Molded Case Circuit Breakers

Quick reference guide

Line protection

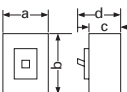
■ S series/4-pole

Frame		50A	100A	225A
Pole		4	4	4
Type		SA54B	SA104R	SA204R
Rated current (Amps) Ambient temp.: 40°C for general use		5, 10, 15, 20 30, 40, 50	15, 20, 30, 40 50, 60, 75, 100	125, 150, 175 200, 225
Rated insulation voltage Ui (Volts) AC		660	660	660
Rated breaking capacity (kA)	JIS C8201-2-1	500V AC	5	35
	Ann.2 [Icu]	440V AC	7.5	35
		415V AC	7.5	45
		400V AC	7.5	45
		380V AC	7.5	50
		230V AC	10	85
Dimensions (mm)		a	100	120
		b	130	155
		c	60	82
		d	80	104
Mass (kg) Front mounting type		0.8	1.9	2.5
Tripping device		Hydraulic-magnetic	Thermal-magnetic	Thermal-magnetic
Trip button		Provided	Provided	Provided
Front mounting, front connection	No-mark	●	●	●
	rear connection	X	●	●
Flush mounting, rear connection	top & bottom connection	E	●	●
		Y	●	—
Plug-in mounting	P	—	—	—
Draw-out	D	—	—	—
Internal accessories		Page 06/88		
Alarm switch	K	BZ-K23B□	BZ-K35B□	BZ-K50B
Auxiliary switch	W	BZ-W23B□	BZ-W35B□	BZ-W50B
Undervoltage trip	R	—	—	—
Shunt trip	F	BZ-F23BT □	BZ-F35BT □	BZ-F50BT □
External accessories				
Motor operating mechanism	M	—	▲	▲
Padlocking device	Q	▲	▲	▲
Mechanical interlocking device	M1	BZ-M120C-4	BZ-M135C-4	BZ-M150C-4
Operating handle N type	N	BZ-N20C	BZ-N35B	BZ-N50B
Operating handle V, G type	V, G	BZ-V20C	BZ-G35C	BZ-G50C
Steel enclosure	C	—	—	—
Steel enclosure with V type handle	CV	—	—	—
Terminal cover Short	TS	BZ-TS20B-4	—	—
Terminal cover Long	TB	BZ-TB20B-4	BZ-TB35B-4	BZ-TB45B-4
Insulation barrier Interphase	B	—	—	—
Insulation barrier Earth	BL	—	—	—

Notes: ● Handlelock cover is supplied on request (sold separately)

● Available — Not available ▲ Factory-mounted accessory

■ S series/4-pole

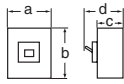
Frame		400A	600A	800A
Pole		4	4	4
Type		<i>Page 06/43</i> SA404HA	SA604H	SA804H
Rated current (Amps) Ambient temp.: 40°C for general use		250, 300 350, 400	500, 600	700, 800
Rated insulation voltage Ui (Volts) AC		660	660	660
Rated breaking capacity (kA)	JIS C8201-2-1	500V AC	35	35
	Ann.2 [Icu]	440V AC	35	35
		415V AC	45	45
		400V AC	45	45
		380V AC	45	45
		230V AC	85	85
Dimensions (mm)		a	185	280
		b	257	275
		c	103	103
		d	134	149
<i>Page 06/57</i>				
Mass (kg) Front mounting type		7.5	17.0	18.2
Tripping devices		Thermal-magnetic	Thermal-magnetic	Thermal-magnetic
Trip button		Provided	Provided	Provided
Front mounting, front connection	No-mark	●	●	●
	rear connection	X ●	●	●
Flush mounting, rear connection	top & bottom connection	E ●	●	●
		Y —	—	—
Plug-in mounting		P —	—	—
Draw-out		D —	—	—
Internal accessories <i>Page 06/88</i>				
Alarm switch		K ▲	▲	▲
Auxiliary switch		W ▲	▲	▲
Undervoltage trip		R ▲	▲	▲
Shunt trip		F ▲	▲	▲
External accessories				
Motor operating mechanism		M ▲	▲	▲
Padlocking device		Q ▲	▲	▲
Mechanical interlocking device		M1 BZ-M144	BZ-M154	BZ-M154
Operating handle N type		N N-23A	N-41A	N-41A
Operating handle G type		G G-22A	G-42A	G-42A
Steel enclosure		C —	—	—
Steel enclosure with G type handle		CG —	—	—
Terminal cover Inside panel use		A1 —	—	—
Terminal cover Outside panel use		T1 —	—	—
Insulation barrier Interphase		B B-44A	B-44A	B-44A
Insulation barrier Earth		BL —	—	—

Notes: *1 Specify the frequency when ordering circuit breaker for AC circuit.
Contact FUJI for DC circuit.

● Available — Not available ▲ Factory-mounted accessory

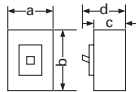
• Handlelock cover is supplied on request (sold separately)

■ E series/3-pole IEC and CE marking conformed types

Frame	800A	
Pole	3	
Type	Page 06/42	EA803C□-CE
Rated current (A)	700, 800	
Rated insulation voltage (V AC)	690	
[IEC 60947-2, EN60947-2, JIS C8201-2-1] (V DC)	250	
Rated breaking capacity (kA)	600V AC	—
[IEC 60947-2, EN60947-2, JIS C8201-2-1] (Icu/Ics) *1	500V AC	22/11
	440V AC	35/18
	415V AC	35/18
	400V AC	35/18
	380V AC	35/18
	230V AC	50/25
	250V DC	20/10
Rated operating voltage [UL508] (V AC)	—	
Dimensions (mm)	a	210
	b	275
	c	103
	d	146
Page 06/66		
Mass (kg) Front mounting type	10	
Tripping device	Thermal-magnetic	
Front mounting, front connection	No-mark	●
Front mounting, rear connection	X	●
Flush mounting, rear connection	E	●
Flush mounting, top & bottom connection	Y	—
Plug-in mounting	P	●
IEC 35mm wide rail mounting		—
Internal accessories	Page 06/88	
Alarm switch	K	BZ-K70B
Alarm switch with terminal block	KA	BZ-K70BA
Auxiliary switch	W	BZ-W70B
Auxiliary switch with terminal block	WA	BZ-W70BA
Undervoltage trip	R	BZ-R70B-□
Shunt trip	F	BZ-F70B-□
Shunt trip with terminal block	FA	BZ-F70BA-□
External accessories		
Motor operating mechanism	M	▲
Handle padlocking device Cap type	Q1	▲
Plate type	Q2	▲
Mechanical interlocking device	M1	BZ-M170C
	M2	BZ-M270C
	M3	BZ-M370C
Operating handle N-type	N	BZ-N70C
Operating handle V-type	V	BZ6V70C
Steel enclosure Direct operating	C	BZ-C70B
Dustproof steel enclosure Handle operating	CV	BZ-CV70C
Rainproof steel enclosure Handle operating	CW	—
Terminal cover Short	TS	—
Terminal cover Long	TB	BZ-TB70B
Insulation barrier Interphase *2	B	B-43A
Insulation barrier Earth	BL	—
Handle locking cover	L	BZ-L70B
Flat terminal	S	—

Notes: *1 Icu: Rated ultimate short-circuit breaking capacity
Ics: Rated service short-circuit breaking capacity
*2 Interphase insulation barriers are standard provided for the front mounting type breakers.

■ E series/4-pole

Frame	100A	
Pole	4	
Type	Page 06/47	EA104B
Rated current (A)	50, 60, 75, 100	
Rated insulation voltage Ui (Volts)	AC	660
	DC	—
Rated breaking capacity (kA)	JIS C8201-2-1 Ann.2 [Icu]	500V AC 7.5 440V AC 10 415V AC 10 400V AC 15 380V AC 15 230V AC 25
Dimensions (mm)		a 100 b 130 c 60 d 80
Page 06/66		
Mass (kg)	Front mounting type	1.0
Tripping device	Hydraulic-magnetic	
Trip button	Provided	
Front mounting, front connection	No-mark	●
rear connection	X	●
Flush mounting, rear connection	E	●
top & bottom connection	Y	●
Plug-in mounting	P	—
Draw-out	D	—
Internal accessories	Page 06/88	
Alarm switch	K	BZ-K25B□
Auxiliary switch	W	BZ-W25B□
Undervoltage trip	R	—
Shunt trip	F	BZ-F25BT
External accessories		
Motor operating mechanism	M	—
Padlocking device	Q	▲
Mechanical interlocking device	M1	BZ-M120C-4
Operating handle N type	N	BZ-N20C
Operating handle V type	V	BZ-V20C
Steel enclosure	C	—
Steel enclosure with V type handle	CV	—
Terminal cover Short	TS	BZ-TS20B-4
Terminal cover Long	TB	BZ-TB20B-4
Insulation barrier Interphase	B	—
Insulation barrier Earth	BL	—

● Available — Not available ▲ Factory-mounted accessory