
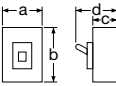


# Molded Case Circuit Breakers - SA-UL Series

## ■ Specifications

Frame size (A)		100				
Type		SA102BAUL	SA103BAUL	SA102RAUL	SA103RAUL	
Appearance (with Screw Terminals)						
Rated insulation voltage (V) (IEC60947-2)		AC 690	690			
Rated voltage (V) (UL489)		AC 240	480Y/277			
Rated current (A)		15,20,30,40,50,60,70,75,80,90,100		15,20,30,40,50,60,70,75,80,90,100		
Poles		2	3	2	3	
Rated frequency (Hz)		50/60				
Rated interrupting capacity sym (kA)	UL489 CSA22-2	AC	480V	-	-	-
			480Y/277V	-	-	25
			240V	35	35	85
	IEC60947-2 [Icu/Ics]	AC	690V	-	5/3	
			600V	10/5	25/13	
			500V	15/8	35/18	
			440V	25/13	50/25	
			400V	30/15	50/25	
			230V	50/25	100/50	
	JIS C 8370	AC	550V	15	35	
			460V	25	50	
			220V	50	100	
DC 250V			15	40		
Dimensions (mm)		a	90	90		
		b	155	155		
		c	60	60		
		d	82	82		
Terminal construction	Screw Terminals		NONE	●	●	
	Flat Terminals		L1	●	●	
	Lug Terminals		L	●	●	
Internal accessories	Auxiliary switch *3		W	●	●	
	Alarm switch *3		K	●	●	
	Shunt trip		F	●	●	
	Undervoltage trip		R	●	●	
	Accessories with terminal block*1		A	●	●	
External accessories	Handle locking key	Cap type	Q1	*2	*2	
				BZ-L30C	BZ-L30C	
	External Operating Handle	V	BZ-V30C-EUL	BZ-V30C-EUL		
		N	BZ-N30C	BZ-N30C		
	Field Installable	Flat Terminal Kit	BZ-SU35B	BZ-SU35B		
	Terminal Kit	Lug Terminal Kit	BZ-TA100	BZ-TA100		
	Terminal Covers	For Screw Terminals	Short	BZ-TS30B-3	BZ-TS30B-3	
			Long	BZ-TB30B-3	BZ-TB30B-3	
For Flat Terminals			BZ-TL30B-3	BZ-TL30B-3		
		For Lug Terminals		BZ-TB30B-3	BZ-TB30B-3	
Insulation Barrier			BZ-B30B	BZ-B30B		
Mass (kg) (Screw Terminals)		1.1	1.2	1.1	1.2	

Notes: \*1 All internal accessories will be supplied with terminal block when specify "A" at the end of the part number. When ordered with undervoltage trip for 100A Frame and 225A Frame, the undervoltage trip with terminal block will be supplied as a standard.

\*2 Order the Handle Lock Cover (BZ-L□C) separately if a handle lock key (cap type Q1) is required for 225A Frame or smaller Breakers.

\*3 Auxiliary switches (WD) and alarm switches (KD) for small currents are available. DPDT auxiliary switches (W2) and DPDT alarm switches (K2) are available.

●: Available. -: Not available.