

Brief Introduction



Breaking capacity

EZC100~250A			
Icu at 415V			
H 36kA	■	■	■
F 18kA	■	■	■
	100	160	250
(1) 100A is 25kA			
EZC400~630A			
M 50kA	■	■	
H 36kA	■	■	
	400	630	

Product Overview

SEZC MCCB is used in distribution network of AC 50/60HZ, rated voltage 500V, rated current 10A to 630A for power distribution ,line protection, and damage prevention from overload and short circuit of the power supply and electric equipment, which improves reliability and continuity of the power supply. It accords with international standards of IEC947-1.-2.-4.-5.1.

Product Features

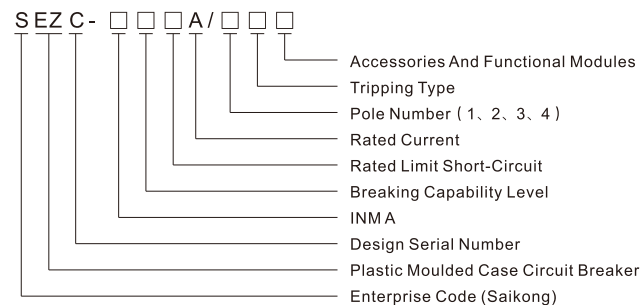
It covers the common breaking capability of secondary power distribution area and electromechanical markets: 25KA, 36KA and 50KA for products of 1 pole, 2 pole, 3 pole and 4 pole. It has full protection range, including low-voltage distribution system, motor protection, and leakage protection. Installation types includes fix mounting and plug-in mounting and various accessories can be installed in the field. Upper and lower inlet-lines can be exchanged without reducing the capacity to avoid the appearance of "spider web" in the power distribution box. The installation position is flexible, being either vertical ,horizontal, side or back, making no difference in the performance. Complete accessories for installation and connection are provided to meet different installation requirements.

Compliance with Standards

- ◎ IEC 60947-1: General Rules
- ◎ IEC 60947-2: Circuit Breakers
- ◎ IEC 60947-4: Contactors and Motor Starters
- ◎ IEC 60947-5.1: Control Circuit Devices and Switching

Elements, Automatic Control Components

Model Descriptions



Specifications

Model		SEZC-100	SEZC-250
Number of Poles		1P,2P,3P,4P	3P,4P
Control	Manual	toggle handle, direct or extended rotary handle	
Connections	Fixed	Front connection/rear connection	
	Plug-in	Front connection/rear connection	
The electrical characteristics as per ICE 60947-2 and EN 60947-2			
Rated Current (A)	In	15-100	100-250
Rated Insulation Voltage (V)	Ui	690	690
Rated Impulse Withstand Voltage (kV)	Uimp	6	6
Rated Operation Voltage (V)	Ue	AC50/60Hz 440V	
Breaking Capacity Levels		F H	E M
Isolation Function		/	
Utilization Category		A	
Endurance (C-O cycles)	Mechanical	10000	8500
	Electrical 440V	2000	1500

Protection

Release	Thermal magnetic
Overload Protection	■
Short circuit Protection	■
Earth Leakage Protection	-

Indication and Control Auxiliaries

Auxiliary contact AX and Alarm contact AL	■
AX + AL Combination	■
SHT Shunt Trip	24V, 220V, 380V
UVR Shunt Coil	■

Installation / Connection

Accessories	Terminal extensions
	Terminal shields
	Alternate septum

Dimension

1P	130 × 25 × 81	
2P	130 × 50 × 81	
3P	130 × 75 × 81	165 × 105 × 85.5
4P	130 × 100 × 81	165 × 140 × 85.5

Specifications

Model		SEZC-400	SEZC-630
Number of Poles		3P,4P	
Control	Manual	toggle handle, direct or extended rotary handle	
Connections	Fixed	Front connection/rear connection	
	Plug-in	Front connection/rear connection	
The electrical characteristics as per ICE 60947-2 and EN 60947-2			
Rated Current (A)	In	250-400	400-630
Rated Insulation Voltage (V)	Ui	690	690
Rated Impulse Withstand Voltage (kV)	Uimp	6	6
Rated Operation Voltage (V)	Ue	AC50/60Hz 440V	
Breaking Capacity Levels		H M	
Isolation Function		/	
Utilization Category		A	
Endurance (C-O cycles)	Mechanical	8000	6000
	Electrical 440V	1000	1000

Protection

Release	Thermal magnetic	Electronic
Overload Protection	■	Ir (In x)
Short circuit Protection	■	I _{sd} (In x)
Instantaneous		Ii (In x)
Earth-leakage protection	—	■

Indication and Control Auxiliaries

Auxiliary contact AX and Alarm contact AL	■
AX + AL Combination	■
SHT Shunt Trip	24V, 220V, 380V

Installation / Connection

Accessories	Terminal extensions
	Terminal shields

Dimension

3P	257 × 140 × 146	255 × 140 × 168
4P		255 × 185 × 168