

SM9 Series Moulded Case Circuit Breaker



SM9-63S



SM9-103S



SM9-203S



SM9-403S

1. Application

SM9 series MCCB is suitable for industrial or commercial power and lighting with AC50/60Hz, rated working voltage up to AC600V/DC250V, rated current up to 630A. It's a kind of economical breaker with the characters of stable and reliable function, beautiful appearance, small size and long life. It can be used for conversion of line and infrequent starting motor. It can also be attached to install the accessories which have protection function for avoiding loss-voltage, undervoltage. The product can install connection line with front board and back board, it also can equip hand-operating apparatus or motor-operating apparatus to control in a remote distance.

2. Specification

The rated insulation voltage for this series of circuit breaker is 690V, the rated operating voltage is 600V, the rated frequency is 50Hz. the other rated values for the main circuit.

Type	2pole	SM9-32E	SM9-52E	SM9-52S	SM9-62E	SM9-62S
	3pole	SM9-33S	SM9-53E	SM9-53S	SM9-63E	SM9-63S
Frame size(AF)		30	50		60	
Rated current(A)		5,10,15,20,30	5,10,15,20,30,40,50		60	
Rated operational voltage(V)Uc (50/60Hz)		600	600	600	600	600
Rated insulation voltage(V)Ui(50/60Hz)		690	690	690	900	900
Rated impulse withstand voltage(kV)Uimp		6	6	6	6	6
Ultimate breaking capacity (kA,Icu AC 50/60Hz)	220V/240V	10	10	25	10	25
	380V	7.5/5	7.5/5	14/10	7.5/5	14/10
	415V	7.5/5	7.5/5	14/10	7.5/5	14/10
	440/460V	5	5	10	5	10
	480/500V	2.5	2.5	7.5	2.5	7.5
	600V	2.5	2.5	5	2.5	5
Utilisation category		A	A	A	A	A
Endurance	Mechanical	8500	8500	8500	8500	8500
	Electrical	1500	1500	1500	1500	1500

Type	2pole	SM9-102E	SM9-102S				
	3pole	SM9-103E	SM9-103S	SM9-203E	SM9-203S	SM9-403E	SM9-403S
Frame size(AF)		100		225		400	
Rated current(A)		5,10,15,20,30,40,50,60,75,100	15,20,30,40,50,60,75,100	100,125,150,175,200,225		250,300,350,400	
Rated operational voltage(V)Uc (50/60Hz)		600	600	600	600	600	600
Rated insulation voltage(V)Ui(50/60Hz)		690	690	690	690	690	690
Rated impulse withstand voltage(kV)Uimp		6	6	6	6	6	6
Ultimate breaking capacity (kA,Icu AC 50/60Hz)	220V/240V	10	50	35	50	35	50
	380V	7.5/5	25	18	25	30	42
	415V	7.5/5	25	18	25	25	35
	440/460V	5	25	18	25	25	35
	480/500V	2.5	25	10	14	18	25
	600V	2.5	14	7.5	10	18	22
Utilisation category		A	A	A	A	A	A
Endurance	Mechanical	8500	8500	7000	7000	4000	400
	Electrical	1500	1500	1000	1000	1000	1000

3. Outline and Installation Dimensions

