

## Moulded Case Circuit Breaker

### Application

TOS8 series moulded case circuit breaker 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.



TOS8-52



TOS8-53



TOS8-203



TOS8-403

### 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	TOS8-32E	TOS8-52E	TOS8-52S	TOS8-62E	TOS8-62S
	3pole	TOS8-33S	TOS8-53E	TOS8-53S	TOS8-63E	TOS8-63S
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)Ue (50/60Hz)	600		600		600	
Rated insulation voltage(V)Ui(50/60Hz)	690		690		900	
Rated impulse withstand voltage(kV)Uimp	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
Ultimate breaking capacity (kA,Icu AC 50/60Hz)	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	TOS8-102E	TOS8-102S				
	3pole	TOS8-103E	TOS8-103S	TOS8-203E	TOS8-203S	TOS8-403E	TOS8-403S
Frame size(AF)	100		225		400		
Rated current(A)	5,10,15,20, 15,20,30, 30,40,50, 40,50,60, 60,75,100		75,100		100,125,150,175, 200,225		250,300,350,400
Rated operational voltage(V)Ue (50/60Hz)	600		600		600		
Rated insulation voltage(V)Ui(50/60Hz)	690		690		690		
Rated impulse withstand voltage(kV)Uimp	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
Ultimate breaking capacity (kA,Icu AC 50/60Hz)	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

Moulded Case Circuit Breaker