

Low Voltage Switch Company - Low Voltage Electronic Components



MZM2 Series Plastic Shell Circuit Breaker

About the Product:

MZM2 Series Plastic Shell Circuit Breaker (hereinafter refer to the circuit breaker) is a 21st high-tech product. It has advanced design, high performances, pleasing appearance and small volume. It adopts microelectronics technology and intelligent control function. The whole series can achieve “zero flying arc”.

Function and Usage Scope:

The circuit breaker applies to AC 50Hz 690V rated voltage and 800A rated current power system. It can protect the circuit against overload, short circuit and lack of voltage. It can control infrequent operations of the electric motor.

Standards:

The circuit breaker meets GB14048.2 《Low Voltage Switch and Control Devices Low Voltage Circuit Breaker》, IEC60947-2 《The Second Part of Low Voltage Switch and Control Devices: Low Voltage Circuit Breaker》 and other standards.

Working and Environment Conditions :

Surrounding air temperature: maximum +40 , minimum — 5

The altitude of the installation site should below 2000m.

Atmospheric relative humidity should below 50% at the maximum temperature +4 O . It can be a little higher at lower temperature.

Maximum relative humidity of the most humid month should not exceed 90% and the minimum temperature of this month should not exceed +25 with the consideration of the dew on the surface of the product caused by the change of the temperature.

Pollution rank: III

The “1 , 3 , 5 , N1” terminals of the circuit breaker are accessed to the power supply and “2 , 4 , 6 , N2” terminals are accessed to the load circuit. It can not

be reversed.

Main Electrical Parameters

shell rank rated current	63	100						250										
product model	MZM2-60S	MZM2-60C	MZM2-100S	MZM2-100H	MZM2-100U		MZM2-250C	MZM2-250S	MZM2-250H	MZM2-250U								
rated current	10 , 16 , 20 , 32 , 40 , 50 , 63	16 , 25 , 32 , 40 , 50 , 63 , 70 , 100						100 , 125 , 150 , 175 , 200 , 225 , 250										
electrode number	2	3	2	3	4	2	3	4	2	3	4	3	2	3	4	2	3	4
rated insulation voltage	AC600	AC690						AC690										
flying arc distance	0	0						0										
rated extreme operating short circuit capability	AC390V	-	-	5/3	10/5	10/5	-	5/3	10/5									
	AC400V	10/5	30/15	50/35	85/85	125/125	30/15	50/35	85/8									
	AC230V	25/13	50/25	100/50	125/125	200/200	50/25	100/50	125/125									
operation performance (times)	ON	6000	6000						6000									
	OFF	8500	8500						7000									
contour dimension diagram is omitted	a	75	90	120	90	120	90	90	105	140	105	140	105	140	105			
	b	130	155				216		165				240					
	c	68	68						68									
weight	0.75	1.0	1.3	1.1	1.4	1.8	1.8	1.5	1.9	1.5	1.9	1.5	1.9	2.6				
rated operation frequency (times/H)	120	120						120										