

M3DC Series DC High Voltage Molded Case Circuit Breaker

Main Technical Parameter

Appearance							
Model		M3DC-320			M3DC-400		
Rated current of shell frame grade Inm(A)		320			400		
Rated current In(A)		20, 32, 63, 80, 100, 125, 140, 160, 180, 200, 225, 250, 280, 315, 320			225, 250, 315, 350, 400		
Pole Number		2		3	2		3
Rated working voltage Ue (V)DC		500	1000	1500	250/500	750/1000	1250/1500
Rated insulation voltage Ui (V)		1250		1500	1500		
Rated impulse withstand voltage Uimp (kV)		8		12	12		
Extreme short-circuit breaking capacity Icu (kA)	H Type	50	20	20	65	35	15
	R Type	/	/	/	70	40	20
Running short-circuit breaking capacity Ics (kA)	H Type	Ics=100%Icu					
	R Type						
Wiring mode		Up incoming and Down outcoming, Down incoming and Up outcoming (2P, 320/3P) Down incoming and Down outcoming, Up incoming and Up outcoming (3P)					
Mechanical life (Total times)		20000			10000		
Electrical life (Total times)		3000	2000	1500	1000	1000	700
Insulation feature		Yes					
Standard		IEC 60947-2, GB/T 14048.2					
Allowable ambient temperature		-35~+70°C					
Levels of protection		IP20					
Quality certificate		CCC, CE, TÜV certificate					
With accessories		Auxiliary, alarm, off load, Hand operation, Electric operation					
Arcing distance (mm)		≤50 (Zero arc, with arcing cover)					
Transient Action value		10In					
Overall dimensions L×W×H(mm)	L	180	180	250	250		
	W	76	107	124	182		
	H	126	126	165	165		

Note: 320 shell frame is not divided into H: high breaking, R: current limiting type.