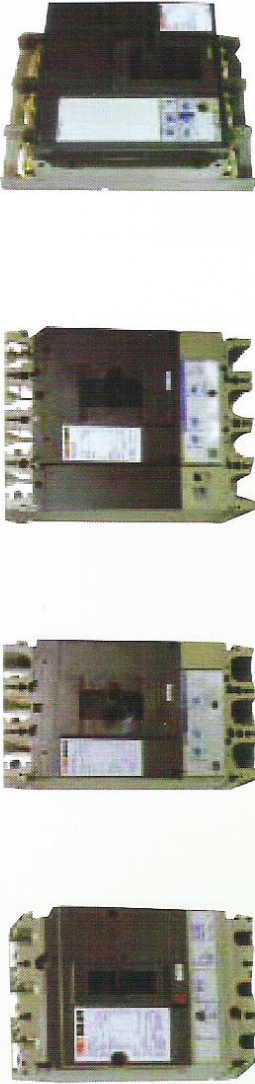


HMCCB8 塑壳断路器 MOULDED CASE CIRCUIT BREAKER



■ Electric characteristics

Model	HMCCB8-100		HMCCB8-160		HMCCB8-250		HMCCB8-400		HMCCB8-630															
	2 ⁰ , 3, 4		2 ⁰ , 3, 4		3, 4		3, 4		3, 4															
Number of poles	■		■		■		■		■															
Control	Manual	■																						
	Toggle	■																						
Electric	Direct or extended rotary handle	■																						
	Electric	■																						
Connection	Fixed / Plug-in	■																						
	/ Withdrawable / Rear connection	■																						
Electrical characteristics as per the standards IEC60947-2, EN60947-2																								
Rated current (A)	In	100	160	250	400	630																		
	Ui	100	150	220	320	500																		
Rate insulation voltage (kV)	Ui	750	750	750	750	750																		
Rated am peak withstand voltage (kV)	Uimp	8	8	8	8	8																		
Rated operational voltage (V) at 50	AC/50/60Hz	690	690	690	690	690																		
	DC	500	500	500	500	500																		
Type of circuit breaker	N	SX	H	L	N	H	L	N	H	L	N	H	L											
	83	90	100	150	85	100	150	85	100	150	85	100	150											
Ultimate breaking capacity (kA rms) Icu	220/240V	56	50	70	150	36	70	150	36	70	150	50	70											
	380/415V	34	50	95	130	35	65	130	35	65	130	42	65											
500V	24	36	50	100	30	50	70	30	50	70	30	50	70											
	525V	22	35	35	100	22	35	50	22	35	50	22	35											
660/690V	8	10	10	75	8	10	20	8	10	20	10 ⁰²	75 ⁰²	35 ⁰²											
	100% ⁰¹											100% ⁰¹	100% ⁰¹	100% ⁰¹										
Service breaking capacity (kA rms) Ics	100% ⁰¹											100% ⁰¹	100% ⁰¹	100% ⁰¹										
Suitable for isolation	■											■	■	■										
Utilization category	A											A	A	A										
	50000											40000	20000	15000	15000									
Durability (C-O cycles)	Mechanical		40000										20000	12000	8000									
	Electric		440V		20000										10000	6000	4000							
Electrical characteristics as per IEC60947-2, EN60947-2											N		SX		H		L		N		H		L	
Breaking capacity (kA)	85											90	100	200	85	100	200	85	100	200	85	100	200	
	34											50	65	130	35	65	130	35	65	130	42	65	130	
	8											20	35	50	20	35	50	20	35	50	20	35	50	

Protection		TM (thermal-magnetic)		HKZ222 (electronics)		HKZ223 (electronics)	
Tripping unit							
Overload protection	Long time Ir (In ^x ...)	■	■	■	■	■	■
Short-circuit protection	Short time Ist (Ir ^x ...)	■	■	■	■	■	■
	Instantaneous I _n (In ^x ...)	■	■	■	■	■	■
Earth-fault protection	I _g (In ^x ...)	-	-	-	-	-	-
	ZSI	■	■	■	■	■	■
Add-on earth leakage protection	Add-on Yigi Module	■	■	■	■	■	■
	Combination with vigiere Relay	■	■	■	■	■	■
Number of poles		HMACCB8-800		HMACCB8-1000		HMACCB8-1250	
Control		3, 4		3, 4		3, 4	
Type of current breaker	Manual	■	■	■	■	■	■
	Toggle	■	■	■	■	■	■
Connection	Fixed	■	■	■	■	■	■
	Back connection	■	■	■	■	■	■
Electrical characteristics as per the standards IEC60947-2, EN60947-2.							
Rated current (A)	50°C	630	1000	1250	1600		
In	65°C(0)	630	1000	1250	1510		
Rated insulation voltage (V) U _i		800	800	800	800		
Rated in pulse withstand voltage (kV) U _{imp}		8	8	8	8		
Rated operational voltage (V) U _e	AC 50/60Hz	690	690	690	690		
Type of circuit breaker		N	H	N	H	N	H
		50	70	50	70	50	70
Ultimate breaking capacity (kA _{ms}) I _{cu}	230/240V	50	70	50	70	50	70
	380/415V	50	70	50	70	50	70
	440V	50	65	50	65	50	65
AC 50/60Hz	900V/935V	40	40	40	40	40	40
	600/690V	30	42	30	42	30	42
Service breaking capacity (kA _{ms}) I _{cs}	Manual operational	100%	100%	100%	100%	75%	50%
	Electrical operational	75%	50%	75%	50%	75%	50%
Short-time withstand current (kA _{ms}) I _{sw}	IS	19.2	19.2	19.2	19.2	19.2	19.2
	IS	-	-	-	-	-	-
AC 50/60Hz	±10%	40	40	40	40	40	40
Stability for isolation		■	■	■	■	■	■
Utilization category		B	B	B	B	B	B
	Mechanical	10000	10000	10000	10000	10000	10000
Durability (C-O cycles)	440V	6000	6000	5000	5000	5000	5000
	Electric	In/2	5000	5000	4000	4000	2000
		In	4000	4000	3000	2000	1000
Pollution degree		3	3	3	3	3	3
	Electrical characteristics as per NEMA-AB1	N	H	N	H	N	H
Breaking capacity (kA)	240V	50	65	50	65	50	65
	480V	35	50	35	50	35	50
	600V	25	50	25	50	25	50

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