

Product Selection Guide

EKM8 T - 160 H Z / 3 300 2 A Q1 Q 2

EKM8	T	160	H			
↓	↓	↓	↓			
Product code	Adjustable type	Code of frame size current	Breaking capacity ICU/ICS(kA)			
Moulded-case circuit breaker (MCCB)	T: thermomagnetic adjustable T/A: single adjustable (i.e. thermal adjustable \magnetic fixed)	125, 160, 250, 400, 630, 1250 Note: 160 is upgraded type of 100 frame 225 is upgraded type of 250 frame 630 is upgraded type of 400 frame	S	H		
			160	25/18	35/25	
			250	25/18	35/25	
			400	35/25	50/35	
			630	35/25	50/35	
			1250	50/35	65/50	
H-high performance 70KA						

Z	3	300	160		
↓	↓	↓	↓		
Code of operating mode	Pole number	Code of release type and internal accessory	Rated current (A)		
P: electric operation Z: rotary handle W: direct operation ①Electric operation DC1,DC2, DC3	3: 3-pole 4: 4-pole	The first digit represents release type 2: Has instantaneous release only 3: Complex release Note: Later two digits are the code of accessories (see accessory table 1)	160	20-25,25-32,32-40,40-50,50-63,63-80 80-100,100-125,125-160	160-200,200-250
			250	100-125,125-160,160-200,200-250	
			400	200-250,250-320,320-400	
			630	400-500,500-630	
			1250	630-800,800-1000,1000-1250	




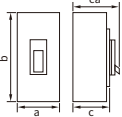
2	A
↓	↓
Application	Code of four-pole product
1: power distribution 2: motor protection	A: N-pole without protection, cannot close or open B: N-pole without protection, can close and open C: N-pole with protection, can close and open D: N-pole with protection, cannot close or open

Q1			D1		Q	2
↓			↓		↓	↓
Accessory voltage			Electric operation voltage		Installation methods	Install wiring board or not
Undervoltage release	Shunt release	Auxiliary alarm	DC1 Electric Operation	DC3 Electric Operation	Q: Front-board H: Back-board C: Plug-in type	1: No 2: Yes
Q1: AC220V	F1: AC220V	J1: AC125V	D1: AC220V	D5: AC230V		
Q2: AC240V	F2: AC380V	J2: AC250V	D2: AC230V	D6: AC110V		
Q3: AC380V	F3: DC110V	J3: DC125V	D3: AC380V	D7: DC220		
Q4: AC415V	F4: DC24V	J4: DC24V	D4: AC400V	D8: DC110		
				D9: AC110-240V		
				D10: DC100-220V		
			Note: Adaptable voltages for two electric operations. Please refer to the introduction of external accessory.			

Main Performance Indexes

Frame current (A)	160			250	
Model	EKM8T-160S	EKM8T-160H	EKM8T-250S	EKM8T-250H	
Pole number	3, 4			3, 4	
Rated current (A)	20-25, 25-32, 32-40, 40-50, 50-63, 63-80, 80-100, 100-125A, 125-160A			100-125, 125-160, 160-200, 200-250A	
Rated voltage (V)	AC400V			AC400V	
Rated insulation voltage (V)	AC1000V			AC1000V	
Short-circuit breaking capacity(KA)Icu/Ics	AC400V	25/18	35/25	25/18	35/25
Operating cycle number	Electrical life	3000		3000	
	Mechanical life	7000		7000	
Outline dim(mm) a-b-c-ca					
	3P	90-155-68-90	90-155-88-115	105-165-68-92	105-165-88-115
	4P	120-155-68-90	120-155-88-115	140-165-68-92	140-165-88-115
Weight (kg)	3P	1.0	1.1	1.5	1.7
	4P	1.1	1.7	1.9	2.1
Electric operating device (MD)	●				
External driving operating handle	●				
Automatic release	Thermal electromagnetic type				

Main Performance Indexes

Frame current (A)		400		630		1250	
Model		EKM8T-400S	EKM8T-400H	EKM8T-630S	EKM8T-630H	EKM8T-1250S	EKM8T-1250H
Pole number		3, 4		3, 4		3, 4	
							
Rated current (A)		200-250, 250-320, 320-400		400-500, 500-630		630-800, 800-1250	
Rated voltage (V)		AC400V		AC400V		AC400V	
Rated insulation voltage (V)		AC1000V		AC1000V		AC1000V	
Short-circuit breaking capacity(KA)Icu/Ics	AC400V	35/25	50/35	35/25	50/35	50/35	65/50
Operating cycle number	Electrical life	2000		2000		1500	
	Mechanical life	4000		4000		4000	
Outline dim(mm) a-b-c-ca							
		3P	140-257-103-155	140-257-103-155	140-257-103-155	210-275-103-155	210-275-103-155
		4P	185-257-103-155	185-257-103-155	185-257-103-155	280-275-103-155	280-275-103-155
Weight (kg)	3P	5.5		5.7		9.5	
	4P	7.0		7.5		12.5	
Electric operating device (MD)				●			
External driving operating handle				●			
Automatic release		Thermal electromagnetic type					