

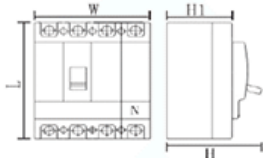


Moulded Case Circuit Breaker-FTM2

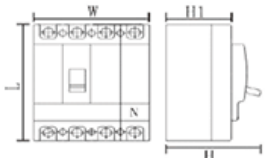
Frame size		160			250		
							
Model		FTM2-160C	FTM2(Z)-160L	FTM2(Z)-160H	FTM2(Z)-250L	FTM2(Z)-250H	FTM2-400C
Rated current (A)	FTM2	20,25,32,40,50,63,80,100,125,160			160180200225250		
	FTM2Z	63(25-63), 160(64-160)			250(100-250)		
Number of poles		3-Poles,4-Poles					
Rated voltage (V)AC		400					
Rated insulation voltage(V)		690					
Rated impulse withstand voltage Uimp(KV)		6					
Rated frequency		50/60Hz					
Ultimate short-circuit capacity Icu (KA)		40	50	70	40	50	70
Service short-circuit capacity Ics (KA)		28	50	50	28	50	50
Electrical life:		5,000					
Mechanical life:		20,000					
Arcing distance(mm)		Zero					
Ambient temperature (°C)		-5°C ~ +40°C					

Altitude (m)	≧ 2000m	
Atmospheric conditions	When the ambient air temperature is +40°C, the relative humidity of the air shall not be higher than 50%; a higher relative humidity is allowed at a lower temperature; for the wettest month, the maximum relative humidity averaged shall be 90% while the lowest temperature averaged in that month +25°C, and the condensation produced due to temperature change shall be taken into consideration,	
Pollution degree	III	
Connection	Front connection plate, rear connection plate, plug-in rear connection plate	
Dimensions	L	257
	W	3-Pole:140 4-Pole:184
	H1	95
	H	153

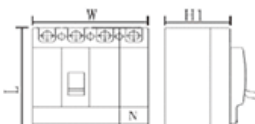


Frame size	160		250	
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Model	FTM2L(Z)-160L	FTM2L(Z)-160H	FTM2L(Z)-250L	FTM2L(Z)-250H
Rated current (A)	FTM2L	20,25,32,40,50,63,80,100,125,160		160,180,200,225,250
	FTM2LZ	63(25~63 adjustable), 160(64~160 adjustable)		250(100~250 adjustable)
Number of poles	3-Poles,4-Poles			
Rated insulation voltage(V)	690			
Rated impulse withstand voltage Uimp(KV)	6			
Rated frequency	50/60Hz			
Ultimate short-circuit capacity Icu (KA)	50	70	50	70
Service short-circuit capacity Ics (KA)	50	50	50	50
Electrical life:	5,000			
Mechanical life:	20,000			
Arcing distance(mm)	Zero			

Ambient temperature (°C)	-5°C ~ +40°C	
Altitude (m)	≦ 2000m	
Atmospheric conditions	When the ambient air temperature is +40°C, the relative humidity of the air shall not be higher than 50%; a higher relative humidity is allowed at a lower temperature; for the wettest month, the maximum relative humidity averaged shall be 90% while the lowest temperature averaged in that month +25°C, and the condensation produced due to temperature change shall be taken into consideration,	
Pollution degree	III	
Connection	Front connection plate, rear connection plate, plug-in rear connection plate	
Dimensions	L	155
	W	3-Pole:90 4-Pole:120
	H1	68.5
	H	100
		165
		3-Pole:105 4-Pole:140

Frame size	400		800	
Model	FTM2L(Z)-400L	FTM2L(Z)-400H	FTM2L(Z)-800L	FTM2L(Z)-800H
Rated current (A)	FTM2L	250,315,350,400	160,180,200,225,250	
	FTM2LZ	400(160~400 adjustable)	800(320~800 adjustable)	
Number of poles	3-Poles,4-Poles			
Rated insulation voltage(V)	690			
Rated impulse withstand voltage Uimp(KV)	6			
Rated frequency	50/60Hz			
Ultimate short-circuit capacity Icu (KA)	50	70	50	70
Service short-circuit capacity Ics (KA)	50	50	50	50
Electrical life:	3 500			

Electrical life:	3,000		
Mechanical life:	13,000		
Arcing distance(mm)	Zero		
Ambient temperature (°C)	-5°C ~ +40°C		
Altitude (m)	≦ 2000m		
Atmospheric conditions	When the ambient air temperature is +40°C, the relative humidity of the air shall not be higher than 50%; a higher relative humidity is allowed at a lower temperature; for the wettest month, the maximum relative humidity averaged shall be 90% while the lowest temperature averaged in that month +25°C, and the condensation produced due to temperature change shall be taken into consideration,		
Pollution degree	III		
Connection	Front connection plate, rear connection plate, plug-in rear connection plate		
Dimensions 	L	257	275
	W	3-Pole:140 4-Pole:184	3-Pole:140 4-Pole:184
	H1	95.0	97.5
	N		

Parameters	Trip threshold	Liquid crystal display	Setting value
Long time-delay overload protection			
Tripping current(A)	0.4,0.45,0.5,0.55,0.6,0.7,0.8, 0.9,1.0 x I _n ,OFF	0.4~1.0 x I _n step 0.05xI _n	1.0I _n
Tripping time(s)	8,12,16,24,32,48,64,96,128, 256	16~256s step 4s	16s
Thermal memory protection	ON,OFF		ON
Short time-delay short circuit protection			
Tripping current(A)	2,3,4,5,6,7,8,9,10 x I _{r1} ,OFF	(2~10)I _{r1} ,OFF step 0.05I _{r1}	6I _{r1}
Tripping time(s)	0.05,0.1,0.15,0.2,0.3	(0.05~0.3)s step 0.05s	0.3s
Inverse time-delay	Long inverse time-delay+constant time-delay (I ₂ T:ON),constant time-delay(I ₂ T:OFF)		constant trip time

Thermal memory protection	ON,OFF			ON
Instantaneous short-circuit protection				
Tripping current(A)	2,3,4,5,6,7,8,9,10,12 x Ir1, OFF	(2~12)Ir1,OFF	10Ir1	
Ground-fault protection				
Tripping current(A)	(0.2,0.3,0.4,0.5,0.6,0.7,0.8, 0.9,1.0) Ir1,OFF	(0.2~1.0)Ir1, OFF	1.0Ir1	
Non time-delayed residual current protection	$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$	$10I_{\Delta n}$
Max. breaking time(s)	0.3	0.15	0.04	0.04



Product link : <http://www.foretechgroup.com/?p=923>