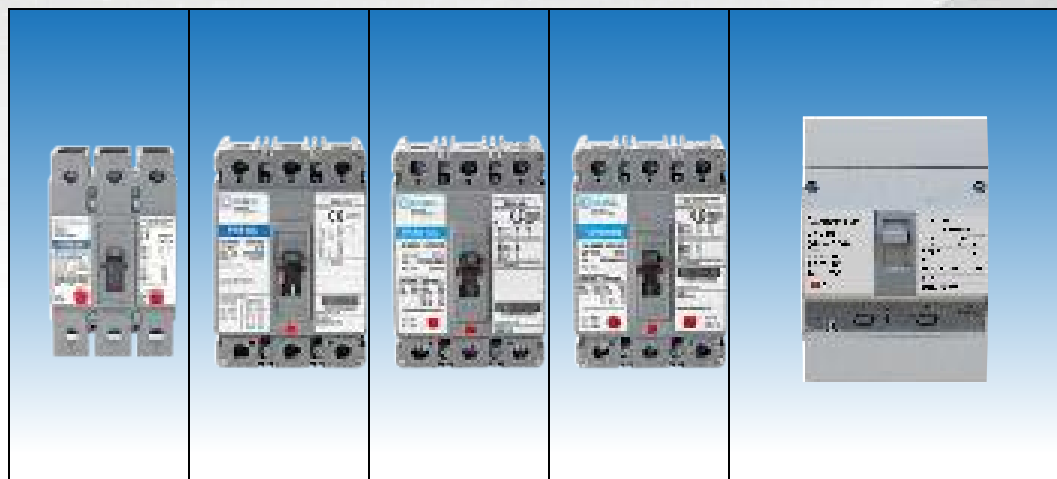


Moulded Case Circuit Breaker

Electrical Characteristics

3

Moulded Case Circuit Breakers



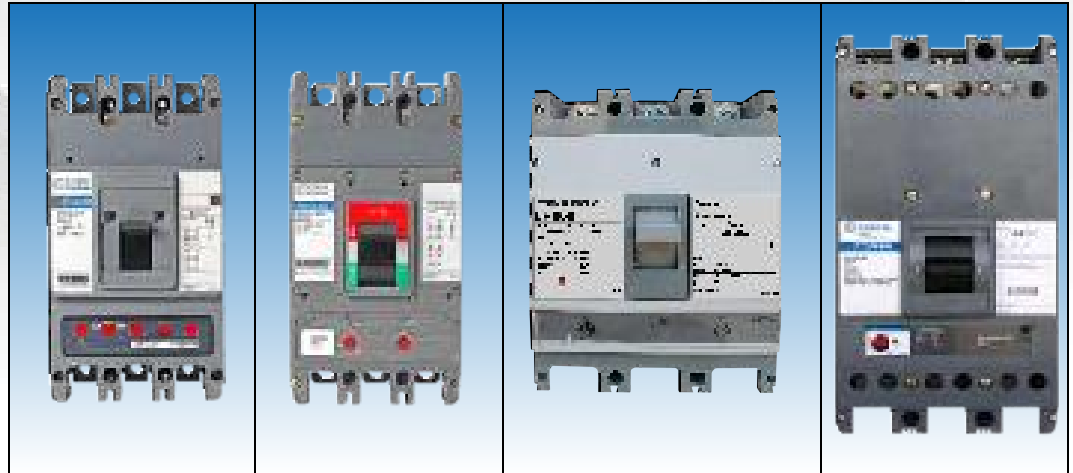
			G				F				JS		
Maximum Rated Current (A)			16-125A		16-225A						63-250A		
Breaker Type			FTCG	FTCG	FTCF	FTCFH	FTCFW	FTCFWH	FTCFWJ	FTCFWJH	FTCJ	FTCJH	
Breaker Capacity (kA rms) AC 50-60 Hz													
IEC 947-2	220-240	I _{CU}	65	65	65	100	100	100	65	100	85	100	
	VAC	I _{CS}	32	35	65	100	100	100	65	100	85	100	
	380-415	ICU	25	25	50 ^⓪	65	50 ^⓪	65	50 ^⓪	65	65 ^{⓪⓪}	85	
	VAC	ICS	13	13	50	65	50	65	50	65	65	85	
	250	I _{CU}	10	10	10	10	10	20	10	20	10	20	
	VDC	I _{CS}	5	5	5	5	5	10	5	10	5	10	
Number of poles			1,2,3		1,2,3,4						2,3,4		
Ampere Range			16-125A		16-225A						63-250A		
Trip Units			Fixed Thermal Fixed Magnetic Adjustable Thermal		Fixed Thermal - Magnetic Adjustable Thermal- Magnetic Adjustable Thermal/ Fixed Magnetic								
											Fixed Thermal /Adjustable Magnetic		
											Adjustable Thermal Magnetic		
Ratings	Fixed	125A		225A						250A			
	Adjustable (20%)	16-125A		16-225A						63-250A			
Calibration Temp.			55°C		55°C						55°C		
Terminations			Line		Cable		Cable				Lug & End Cap		
Load			Cable		Cable						Cable		
Cable Size			3-95mm²		16-150mm²						25-185mm²		
Accessories : Shunt Trip			✓		✓						✓		
Under voltage			✓		✓						✓		
Aux. Contacts			✓		✓						✓		
Trip Alarm Contacts			✓		✓						✓		
Dimensions		H	W	D	H		W	D		H	W	D	
(mm)	1- Pole	123.8	25.4	66.7	152.4		35	86		177.8	x	x	x
	2- Pole		50.8				70				105	104	
	3- Pole		76.2				105						
	4- Pole	x	x	x			140				140		

① Available in 40kA I_{cu}=I_{cs} ② Available in 50kA I_{cu}=I_{cs}

④ Fixed Magnetic = 5 In ⑤ Adjustable Magnetic = (5-10)In

Moulded Case Circuit Breaker

Electrical Characteristics



		K			LG			L			N		
Maximum Rated Current (A)		70- 400			250- 630			400- 800			800-1000-1250-1600		
Breaker Type		FTCK		FTCKH	FTCLG		FTCLGH	FTCL		FTCLH	FTCN		FTCNH
Breaker Capacity (kA rms) AC 50-60 Hz													
IEC 947-2	220-240	I _{CU}	85	100	85	100		85	100		85	100	
	VAC	I _{CS}	85	100	85	100		85	100		85	100	
	380-415	ICU	50	65	65 ^②	85		65 ^②	85		50	65	
	VAC	ICS	50	65	65	85		65	85		50	65	
	250	I _{CU}	10	20	20	20		20	20		-	-	
	VDC	I _{CS}	5	10	10	10		10	10		-	-	
Number of poles		2,3,4			3,4			3,4			3,4		
Ampere Range		70-400A			250-630A			400-800A			400-1600A		
Trip Units		 Adjustable Thermal Magnetic			 Adjustable Thermal Magnetic			Adjustable Thermal Magnetic			Adjustable Electronic		
Ratings	Fixed	400A			630A			800A			-		
	Adjustable (20%)	70-400A			250-630A			400-800A			400-1600A		
Calibration Temp.		55°C			55°C			55°C			- 5°C to + 60°C		
Terminations	Line	Lug & End Cap			Lug & End Cap			Busbar ext.			Lug / Busbar		
	Load	Cable			Cable			Busbar ext.			Lug / Busbar		
Cable Size		35-300mm ²			35-300mm ²			95-500mm ² (lugs)			95-500mm ² (lugs)		
Accessories : Shunt Trip		✓			✓			✓			✓		
	Under voltage	✓			✓			✓			✓		
	Aux. Contacts	✓			✓			✓			✓		
	Trip Alarm Contacts	✓			✓			✓			✓		
Dimensions		H	W	D	H	W	D	H	W	D	H	W	D
(mm)	1- Pole	x	x	x	x	x	x	x	x	x	x	x	x
	2- Pole	258	140	104	x	x	x	x	x	x	x	x	x
	3- Pole		140.0		258	140.0	104	400-630 = 273	210	104	406	210	140
	4- Pole		183			183		700-800A=406	280			280	

② Available in 50kA Icu=Ics ③ Available in 36kA Icu=Ics

⑥ Electronic Trip Unit - Thermal Adjustable = (0.4-1)In
- Magnate Adjustable = (2-10)In