

INTERNATIONAL RATINGS $\text{C}\epsilon$, IEC



Ampere Frame		AF		1F (100A)							
Type			N-Type			H-Type			L-Type		
			CBC-1N			CBC-1H			CBC-1L		
		Thermal magnetic		-	-	-	-	-	-	-	
		Electronic type		-	-	-	-	-	CBC-1LE	-	
Rated insulation voltage (V)	Ui	690			690			690			
Rated impulse voltage (kV)	Uimp	6			6			6			
Rated operating voltage (V)	Ue	AC Voltage	600			600			600		
		DC Voltage	250			250			250		
Number of poles		2	3	4	2	3	4	2	3	4	
Rated current (A)	In	Thermal magnetic	16,20,25,32,40,50,63,80,100			16,20,25,32,40,50,63,80,100			16,20,25,32,40,50,63,80,100		
		Electronic	-			-			100		
Adjusted current (A)	Ir	Thermal magnetic	(0.8,0.9,1.0) x In			(0.8,0.9,1.0) x In			(0.8,0.9,1.0) x In		
		Electronic	-			-			(0.5,0.6,0.7,0.8,0.9,1.0) x In		
Rated breaking capacity (kA) (sym)	Icu	AC Voltage 600V	18			25			35		
		500/550V	22			35			50		
		480V	30			42			65		
		440/460V	35			50			85		
		250V	35			50			85		
		220/240V	50			85			125		
		DC Voltage 250V	35			50			85		
	DC Voltage 125V	-			-			-			
	Ics	... % x Icu	75			75			75		
Short time limit Instantaneous	Im It	Electronic Adjustable	-			-			(2,3,4,5,6,8,10) x Ir		
		Thermal Magnetic (Note1) Fixed Type	10 x In			10 x In			10 x In		
		Electronic Fixed Type	-			-			11 x In		
Endurance	Mechanical		20,000			20,000			10,000		
	Electrical		10,000			10,000			5,000		
Dimensions (mm)	WxLxH (H=Panel cutting)		90 x 140 x 86 (A type)			90 x 140 x 86 (A type)			105 x 165 x 86 (B type)		
Weight (kg)											
Accessories	Auxiliary s/w	AX	■			■			■		
	Alarm s/w	AL	■			■			■		
	Shunt trip	SNT	■			■			■		
	Under voltage	UVT	■			■			■		
	Terminal cover		■			■			■		
	Insulation barrier		Standard			Standard			Standard		
	Rear connections		■			■			■		
	Operating handle	Direct Mount		■			■			■	
Extensible Type			■			■			■		
Certifications	KEMA test (Note 2)		▲			▲			▲		
	CE-mark		▲			▲			▲		

Note1) In the thermal-magnetic trip type MCCB, the short time limit current (Im) is the same with instantaneous current (It)

Note2) The CBC-1H, CBC-1L are approved by the KEMA test according to IEC 60947-2 at 415V, 480V

■ Available as Field Kits.

▲ All Circuit Breaker ratings Certified by KEMA Independent Lab Report



INTERNATIONAL RATINGS (€, IEC)

Ampere Frame			AF			2F (250A)						
Type			N-Type CBC-2N			H-Type CBC-2H			L-Type CBC-2L			
		Thermal magnetic										
		Electronic type	-	-	-	-	-	-	-	CBC-2LE	-	
Rated insulation voltage (V)	Ui		690			690			690			
Rated impulse voltage (kV)	Uimp		6			6			6			
Rated operating voltage (V)	Ue	AC Voltage	600			600			600			
		DC Voltage	250			250			250			
Number of poles			2	3	4	2	3	4	2	3	4	
Rated current (A)	In	Thermal magnetic	125,160,200,250			125,160,200,250			125,160,200,250			
		Electronic	-			-			250			
Adjusted current (A)	Ir	Thermal magnetic	(0,8,0,9,1,0) x In			(0,8,0,9,1,0) x In			(0,8,0,9,1,0) x In			
		Electronic	-			-			(0,5,0,6,0,7,0,8,0,9,1,0) x In			
Rated breaking capacity (kA) (sym)	Icu	AC Voltage	600V	18			25			35		
			500/550V	22			35			50		
		480V	30			42			65			
		440/460V	35			50			85			
		250V	35			50			85			
		220/240V	50			85			125			
		DC Voltage	250V	35			50			85		
		125V	-			-			-			
	Ics	... % x Icu	75			75			75			
Short time limit Instantaneous	Im It	Electronic	Adjustable	-			-			(2,3,4,5,6,8,10) x Ir		
		Thermal Magnetic	Adjustable	(5,6,7,8,9,10) x In			(5,6,7,8,9,10) x In			(5,6,7,8,9,10) x In		
		Electronic	Fixed Type	-			-			11 x In		
Endurance		Mechanical	20,000			20,000			10,000			
		Electrical	10,000			10,000			5,000			
Dimensions (mm)		WxLxH (H=Panel cutting)	105 x 165 x 86 (A type)			105 x 165 x 86 (A type)			105 x 165 x 86 (B type)			
Weight (kg)												
Accessories	Auxiliary s/w	AX	■			■			■			
	Alarm s/w	AL	■			■			■			
	Shunt trip	SNT	■			■			■			
	Under voltage	UVT	■			■			■			
	Terminal cover		■			■			■			
	Insulation barrier		Standard			Standard			Standard			
	Rear connections		■			■			■			
	Operating handle	Direct Mount		■			■			■		
Extendable Type			■			■			■			
Certifications		KEMA test (Note 2)	▲			▲			▲			
		CE-mark	▲			▲			▲			

Note1) In the thermal-magnetic trip type MCCB, the short time limit current (Im) is the same with instantaneous current (It)

Note2) The CBC-2H, CBC-2L are approved by the KEMA test according to IEC 60947-2 at 415V, 480V

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