

Compact ACB

Circuit breaker ratings



Fixed type



Drawable type

Common characteristics								
Number of poles	(P)					3P / 4P		
Frequency	(Hz)					50/60Hz		
Rated operational voltage	(V, Ue)					690V		
Rated insulation voltage	(V, Ui)					1000V		
Rated impulse withstand voltage	(kV, Uimp)					12kV		
Circuit breaker as per IEC60947-2								
Type			AN/AH/AR-C					
Description			AN-08C	AN-16C	AH-08C	AH-16C	AR-08C	AR-10C
Ampere Frame	(AF)		800	1600	800	1600	800	1000
Rated current (In Max.) at 40°C	(A)		400	-	400	-	400	-
	(A)		630	-	630	-	630	-
	(A)		800	800	800	800	800	800
	(A)		-	1000	-	1000	-	1000
	(A)		-	1250	-	1250	-	-
	(A)		-	1600	-	1600	-	-
Rated current of neutral pole	(A)		100%					
Rated breaking capacity (Icu)	(kA)	IEC60947-2	AC 690V/600V/550V	42		50		-
			AC 500V/480V/460V	42		50		130 ¹⁾
			AC 415V/380V/220V	50		60		150
Rated service breaking capacity (Ics)	(kA, %×Icu)		100%					
Rated making capacity (Icm)	(kA)		88.2		105		17 ²⁾	
Rated Short-time capacity (Icw)	(kA)		42/25		50/30		10 ³⁾	
Operating time (t)	(ms)	Total breaking time	40					
		Closing time	80					
Common mechanical and electrical life cycle								
Life cycle	(time)	Mechanical	12,500			5,000		
		Electrical	6,000			3,000		
Common dimension and weight								
Weight	(kg)	Drawable type (3P/4P)	16/19.5					
		Fixed type (3P/4P)	16/19.5					
		Cradle (3P/4P)	22/26					
Dimension	(mm)	Drawable type	3P	W: 256 D: 269.5 ⁴⁾ H: 364.3				
			4P	W: 326 D: 269.5 ⁴⁾ H: 364.3				
		Fixed type	3P	W: 272.4 D: 198.3 ⁴⁾ H: 322				
			4P	W: 342.4 D: 198.3 ⁴⁾ H: 322				

1) 130kA/460V, 100kA/500V

2) at 500V

3) 0.5sec

4) Exclude terminal length