

## Full line-up & Compact

Up to 6300A, ACB provides fully lined-up 3 frame. For each frame, there is just one size, which is smaller and more compact. It makes it possible for you to design the optimized volume panel.

630-200AF

630-400AF



**85kA** ..... **100kA** .....

### AKH-06 – 20D

06	630AF
08	800AF
10	1000AF
13	1250AF
16	1600AF
20	2000AF

Icu = Ics = 85kA/500Vac  
W = 334(3p), 419(4p)mm

### AKH-06 – 40E

06	630AF	20	2000AF
08	800AF	25	2500AF
10	1000AF	32	3200AF
13	1250AF	40	4000AF
16	1600AF		

Icu = Ics = 100kA/500Vac  
W = 412(3p), 527(4p)mm

4000-6300AF



**150kA**

- The highest breaking capacity:  
150kA (6300AF at 500VAC)
- 3 ampere frame sizes:  
2000/4000/6300AF
- N phase current conducting capacity: 100%

**AKH-40 – 63G**

40	4000AF
50	5000AF
63	6300AF

I<sub>cu</sub> = I<sub>cs</sub> = 150kA/500Vac  
W = 785(3p), 1015(4p)mm

# Rating



Type			AKH-06D	AKH-08D	AKH-10D	AKH-13D	AKH-16D	AKH-20D
Ampere frame	(AF)		630	800	1000	1250	1600	2000
Rated current (A)	(in max)	at 40°C	200	400				
			400	630	1000	1250	1600	2000
			630	800				
Setting current (A)*	Control trip relay (... x in max)		(0.4 – 1.0) x in max					
Rated current of neutral pole (A)			400	400	1000	1250	1600	2000
			630	800				
Rated insulation voltage (V)	(Ui)		1,000					
Rated operating voltage (V)	(Ue)		690					
Rated impulse withstand voltage (kV)	(Uimp)		12					
Frequency (Hz)			50/60					
Number of poles (P)			3, 4					
Rated breaking capacity (kA sym) AC 50/60Hz	(Icu)	IEC 60947-2	220V/230V/380V/415V			85		
		JISC 8201-2-1	460V/480V/500V			85		
			550V/600V/690V			65		
Rated service breaking capacity (kA)	(Ics)		...% x Icu			100%		
Rated making capacity (kA peak) AC 50/60Hz	(Icm)	IEC 60947-2	220V/230V/380V/415V			187		
		JISC 8201-2-1	460V/480V/500V			187		
			550V/600V/690V			143		
Rated shot-time withstand current (kA)	(Icw)		1 sec			65		
			2 sec			60		
			3 sec			50		
Operating time (ms)		Maximum total breaking time			40			
		Maximum closing time			80			
Life cycle (time)	Mechanical	Without maintenance			20,000			
		With maintenance			30,000			
	Electrical	Without maintenance			5,000			
		With maintenance			10,000			
Connections**	Draw-out /Fixed	Horizontal connection			●			-
		Vertical connection			○			●
		Front connection			○			-
		Mixed connection			○			-
Weight (kg) (3P/4P)	Draw-out type	Main body	Motor charging type			63/74		70/85
		(With cradle)	Manual charging type			61/72		68/83
		Cradle only				29/32		33/40
	Fixed type	Motor charging type			34/44		38/47	
		Manual charging type			32/42		36/45	
External dimensions (mm) (H x W x D)		Draw-out type	3P	430 x 334 x 375				
			4P	430 x 419 x 375				
		Fixed type	3P	300 x 300 x 295				
			4P	300 x 385 x 295				
Trip relay			N, A, P, S type					
Certificate & Approval			KEMA					

\* Refer to trip relay specification. \*\* ●: Standard, ○: Option

# AIR CIRCUIT BREAKERS



AKH-06E	AKH-08E	AKH-10E	AKH-13E	AKH-16E	AKH-20E	AKH-25E	AKH-32E	AKH-40E
630	800	1000	1250	1600	2000	2500	3200	4000
630	800	1000	1250	1600	2000	2500	3200	4000
(0.4 – 1.0) x In max								
630	800	1000	1250	1600	2000	2500	3200	4000
1,000								
690								
12								
50/60								
3, 4								
100								
100								
85								
100%								
220								
220								
187								
85								
75								
65								
40								
80								
15,000								
20,000								
5,000								
10,000								
●								○
○								●
○								-
○								-
87/103								104/147
85/101								102/145
44/55								58/70
44/55								63/100
42/53								61/98
430 x 412 x 375								
430 x 527 x 375								
300 x 378 x 295								
300 x 493 x 295								
N, A, P, S type								
KEMA								

AKH-40G	AKH-50G	AKH-63G
4000	5000	6300
4000	5000	6300
(0.4 – 1.0) x In max		
4000	5000	6300
1,000		
690		
12		
50/60		
3, 4		
150		
150		
100		
100%		
330		
330		
220		
100		
100		
100		
40		
80		
10,000		
15,000		
2,000		
5,000		
○		●
●		-
-		-
-		-
181/223		186/230
179/221		184/228
97/117		102/124
98/123		103/130
96/121		101/128
460 x 785 x 375		
460 x 1,015 x 375		
300 x 751 x 295		
300 x 981 x 295		
N, A, P, S type		
KEMA		

# Rating



Type			AKN-06D	AKN-08D	AKN-10D	AKN-13D	AKN-16D	AKS-20D
Ampere frame	(AF)		630	800	1000	1250	1600	2000
Rated current (A)	(in max)	at 40°C	200	400				
			400	630	1000	1250	1600	2000
			630	800				
Setting current (A)*	Control trip relay (... x in max)		(0.4 – 1.0) x in max					
Rated current of neutral pole (A)			400	400	1000	1250	1600	2000
			630	630				
				800				
Rated insulation voltage (V)	(Ui)		1,000					
Rated operating voltage (V)	(Ue)		690					
Rated impulse withstand voltage (kV)	(Uimp)		12					
Frequency (Hz)			50/60					
Number of poles (P)			3, 4					
Rated breaking capacity (kA sym) AC 50/60Hz	(Icu)	IEC 60947-2	220V/230V/380V/415V		65			70
		JISC 8201-2-1	460V/480V/500V		65			70
			550V/600V/690V		50			65
Rated service breaking capacity (kA)	(Ics)		...% x Icu		100%			100%
Rated making capacity (kA peak) AC 50/60Hz	(Icm)	IEC 60947-2	220V/230V/380V/415V		143			154
		JISC 8201-2-1	460V/480V/500V		143			154
			550V/600V/690V		105			143
Rated shot-time withstand current (kA)	(Icw)		1 sec		50			65
			2 sec		42			55
			3 sec		36			50
Operating time (ms)			Maximum total breaking time		40			
			Maximum closing time		80			
Life cycle (time)	Mechanical		Without maintenance		20,000			
			With maintenance		30,000			
	Electrical		Without maintenance		5,000			
			With maintenance		10,000			
Connections**	Draw-out / Fixed		Horizontal connection		●			-
			Vertical connection		○			●
			Front connection		○			-
			Mixed connection		○			-
Weight (kg) (3P/4P)	Draw-out type	Main body (With cradle) Cradle only	Motor charging type		63/74			70/85
			Manual charging type		61/72			68/83
					29/32			33/40
	Fixed type		Motor charging type		34/44			38/47
			Manual charging type		32/42			36/45
External dimensions (mm) (H x W x D)		Draw-out type	3P		430 x 334 x 375			
			4P		430 x 419 x 375			
		Fixed type	3P		300 x 300 x 295			
			4P		300 x 385 x 295			
Trip relay			N, A, P type					
Certificate & Approval			KEMA					

\*Refer to trip relay specification. \*\*●: Standard, ○: Option

# AIR CIRCUIT BREAKERS



AKS-20E	AKS-25E	AKS-32E	AKS-40E
2000	2500	3200	4000
630, 800 1000, 1250 1600, 2000	2500	3200	4000
(0.4 – 1.0) x In max			
630, 800 1000, 1250 1600, 2000	2500	3200	4000
1,000			
690			
12			
50/60			
3, 4			
85			
85			
85			
100%			
187			
187			
187			
85			
75			
65			
40			
80			
15,000			
20,000			
5,000			
10,000			
●		○	
○		●	
○		-	
○		-	
87/103		104/147	
85/101		102/145	
44/50		58/70	
44/55		63/100	
42/53		61/98	
430 x 412 x 375			
430 x 527 x 375			
300 x 378 x 295			
300 x 493 x 295			
N, A, P type			
KEMA			

AKS-50F	
4000	5000
4000	5000
(0.4 – 1.0) x In max	
4000	5000
1,000	
690	
12	
50/60	
3, 4	
100	
100	
85	
100%	
220	
220	
187	
85	
75	
65	
40	
80	
10,000	
15,000	
2,000	
5,000	
○	
●	
-	
-	
145/173	
143/171	
78/90	
76/94	
74/92	
460 x 629 x 375	
460 x 799 x 375	
300 x 597 x 295	
300 x 767 x 295	
N, A, P type	
KEMA	

AKS-40G	AKS-50G	AKS-63G
4000	5000	6300
4000	5000	6300
(0.4 – 1.0) x In max		
4000	5000	6300
1,000		
690		
12		
50/60		
3, 4		
120		
120		
100		
100%		
264		
264		
220		
100		
90		
85		
40		
80		
10,000		
15,000		
2,000		
5,000		
○		
●		
-		
-		
181/223		186/230
179/221		184/228
97/117		102/124
98/123		103/130
96/121		101/128
460 x 785 x 375		
460 x 1,015 x 375		
300 x 751 x 295		
300 x 981 x 295		
N, A, P type		
KEMA		