

Ratings

Type		LBA-06□□□C	LBA-08□□□C	LBA-10□□□C	LBA-13□□□C	LBA-16□□□C			
Rated current (I _{n max})	(A)	630, 400	800	1000	1250	1600			
Rated operating voltage (U _e)	(V)	690	690	690	690	690			
Rated insulation voltage (U _i)	(V)	1000	1000	1000	1000	1000			
Frequency ^{Note2)}	(Hz)	50/60	50/60	50/60	50/60	50/60			
Number of poles	(P)	3,4	3,4	3,4	3,4	3,4			
Setting current (I _n)	(A)	OCR-II	For industry				I _{n max.} × 1.0-0.9-0.8-0.7-0.6-0.5-0.4(7 Steps)		
		OCR-III ^{Note3)}	For industry				I _{n max.} × 1.0-0.9-0.8-0.7-0.6-0.5-0.4-0.3-0.2(9 Steps)		
			For generator protection				I _{n max.} × 1.0-0.9-0.8-0.7-0.6-0.5-0.4-0.3-0.2(9 Steps)		
Rated current of neutral pole	(A)	630	800	1000	1250	1600			
Rated breaking capacity (I _{cu}) (Sym)	(kA)	IEC 60947-2 AC	690V	50	50	50	50		
			600V	50	50	50	50		
			500V Under	65	65	65	65		
Rated service breaking capacity (I _{cs})	(kA)	... % × I _{cu}	100%	100%	100%	100%			
Rated making capacity (I _{cm}) (peak)	(kA)	IEC 60947-2 AC	690V	105	105	105	105		
			600V	105	105	105	105		
			500V Under	143	143	143	143		
Rated short-time capacity (I _{cw})	(kA)		1 sec	65	65	65	65		
			2 sec	40	40	40	60		
			3 sec	30	30	30	50		
Operating time (t)	(ms)		Maximum total breaking time	40	40	40	40		
			Closing time	80	80	80	80		
Life cycle	ACB	(time)	Mechanical	Without maintenance	12000	12000	12000	12000	12000
			Electrical	Without maintenance	3000	3000	3000	3000	3000
		(time)	Mechanical	With maintenance	20000	20000	20000	20000	20000
			Electrical	With maintenance	5000	5000	5000	5000	5000
	ATS with ACBs ^{Note 4)}	(time)	Mechanical	Without maintenance	10000	10000	10000	10000	10000
			Electrical	Without maintenance	3000	3000	3000	3000	3000
Weight (3P/4P)	(kg)	Draw-out type	Main body (with cradle)	Motor charging type	66/80	67/81	67/81	67/81	67/81
				Manual charging type	63/77	64/78	64/78	64/78	64/78
			Cradle only		26/30	26/30	26/30	26/30	26/30
		Fixed type	Motor charging type	43/53	44/54	44/54	44/54	44/54	
			Manual charging type	40/50	41/51	41/51	41/51	41/51	
Bus-bar	Connection type	Horizontal type ^{Note5)}	Standard	Standard	Standard	Standard	Standard		
		Vertical type	Option	Option	Option	Option	Option		
Closing type	Motor charging type	Standard	Standard	Standard	Standard	Standard			
	Manual charging type	Option	Option	Option	Option	Option			
External dimension	Draw-out type	(mm)	H: 435, D: 479	W(3P/4P)	350/435	350/435	350/435	350/435	
	Fixed type	(mm)	H: 410, D: 375	W(3P/4P)	345/430	345/430	345/430	345/430	
Certificate & Approval				KERI, CESI, KEMA ^{Note9)}					

Note) 1. Rated current of IEC standard

2. Trip relay is divided into 50Hz and 60Hz. Please be careful when you order it.

3. The generator protection relay is only available in OCR-III.

4. Ace-MEC ACB with interlock device can be a substitute for ATS (For order, refer to page 55)

5. For mainbody, only horizontal type is available. For cradle, vertical type is optional. In case of vertical type use of the horizontal type, the user needs to apply the vertical adapter. The vertical type is standard for 4000/500AF.

6. For 4000/500AF, height is 455mm

7. Slim type 4000AF, height is H:460, D:509

		Type		LBA-20	LBA-25	LBA-32	New		LBA-40	LBA-50
				□□□□C	□□□□C	□□□□C	LBA-4S	□□□□C	□□□□C	□□□□C
Rated current	(I_{nmax})	(A)		2000	2500	Note1) 3200(3150)	4000	4000	5000	
Rated operating voltage	(U_e)	(V)		690	690	690	690	690	690	
Rated insulation voltage	(U_i)	(V)		1000	1000	1000	1000	1000	1000	
Frequency	Note2)	(Hz)		50/60	50/60	50/60	50/60	50/60	50/60	
Number of poles		(P)		3,4	3,4	3,4	3,4	3,4	3,4	
Setting current	(I _n)	(A)	OCR-II	For industry	$I_{nmax} \times 1.0-0.9-0.8-0.7-0.6-0.5-0.4$ (7 Steps) Note10)					
			OCR-III Note3)	For industry	$I_{nmax} \times 1.0-0.9-0.8-0.7-0.6-0.5-0.4-0.3-0.2$ (9 Steps)					
				For generator protection	$I_{nmax} \times 1.0-0.9-0.8-0.7-0.6-0.5-0.4-0.3-0.2$ (9 Steps)					
Rated current of neutral pole		(A)		2000	2500	3200	4000	2500	2500	
Rated breaking capacity (Sym)	(I _{cu})	(kA)	IEC 60947-2 AC	690V	50	50	50	50	50	50
				600V	65	65	65	65	85	85
				500V Under	85	85	85	85	100	100
Rated service breaking capacity	(I _{cs})	(kA)		... % x I _{cu}	100%	100%	100%	100%	100%	100%
Rated making capacity (peak)	(I _{cm})	(kA)	IEC 60947-2 AC	690V	105	105	105	105	105	105
				600V	143	143	143	143	187	187
				500V Under	187	187	187	187	220	220
Rated short-time capacity	(I _{cw})	(kA)		1 sec	65	65	65	65	85	85
				2 sec	60	60	60	60	65	65
				3 sec	60	60	60	60	65	65
Operating time	(t)	(ms)		Maximum total breaking time	40	40	40	40	40	40
				Closing Time	80	80	80	80	80	80
Life cycle	ACB	(time)	Mechanical	Without maintenance	10000	10000	10000	10000	10000	10000
				With maintenance	20000	20000	20000	20000	20000	20000
		Electrical	Without maintenance	3000	3000	3000	3000	3000	3000	
			With maintenance	5000	5000	5000	5000	5000	5000	
	ATS with ACBs Note 4)	(time)	Mechanical	Without maintenance	10000	10000	10000	-	-	-
				Electrical	Without maintenance	3000	3000	3000	-	-
Weight (3P/4P)	(kg)	Draw-out type	Main body (with cradle)	Motor charging type	95/116	96/117	98/119	123/155	244/267	244/267
				Manual charging type	92/113	93/114	95/116	120/152	240/263	240/263
				Cradle only	35/43	35/43	36/44	59/74	125/140	125/140
		Fixed type	Motor charging type	63/75	64/76	66/78	-	119/127	119/127	
			Manual charging type	60/72	61/73	63/75	-	115/123	115/123	
Bus-bar	Connection type	Horizontal type Note5)	Standard	Standard	Standard	-	Standard offer in the fixed type			
		Vertical type	Option	Option	Option	Standard	Standard offer in the draw-out type			
Closing type	Motor charging type	Standard	Standard	Standard	Standard	Standard	Standard	Standard		
	Manual charging type	Option	Option	Option	Option	Option	Option	Option		
External dimension	Draw-out type	(mm)	Note6) H: 435, D: 479 Note7)	W(3P/4P)	485/615	485/615	485/615	485/615	960/1090	960/1090
	Fixed type	(mm)	H: 410, D: 375	W(3P/4P)	480/610	480/610	480/610	-	870/1000	870/1000
Certificate & Approval				KERI, CESI, KEMA Note 9)			KEMA Note 9)	KEMA, CCC		

Note) 8. Slim type 4000A

① The cubicle of High capacity low voltage cubicle can get the most suitable space(Dimension is 40% smaller than existing Ace-Mec ACB 4000A)

② Current capacity of neutral line(N phase) is 100%

③ When the OCR-II is applied, only external input power is available.

④ Only vertical type of plug in type is available.

9. It is guaranteed by KEMA CB certificate.

10. OCR-II is applied to only external CT (power) in slim 4000A ACB.

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