

SACE Emax2 Automatic circuit breakers Specification

Common data		
Rated service voltage U_e	[V]	690
Rated insulation voltage U_i	[V]	1000
Rated impulse withstand voltage U_{imp}	[kV]	12
Frequency	[Hz]	50 - 60
Number of poles		3 - 4
Version		Fixed - Withdrawable
Isolation behaviour		IEC 60947-2



1SDC200424R01



1SDC200425F00



1SDC200426F60



1SDC200427F60

SACE Emax2		E1.2				E2.2				E4.2				E6.2			
Performance levels		B	C	N	L	B	N	S	H	N	S	H	V	H	V	X	
Rated uninterrupted current I_u @ 40°C	[A]	630	630	250	630	1600	800	250	800	3200	3200	3200	2000	4000	4000	4000	
	[A]	800	800	630	800	2000	1000	800	1000	4000	4000	4000	2500	5000	5000	5000	
	[A]	1000	1000	800	1000		1250	1000	1250				3200	6300	6300	6300	
	[A]	1250	1250	1000	1250		1600	1250	1600				4000				
	[A]	1600	1600	1250			2000	1600	2000								
	[A]			1600			2500	2000	2500								
Neutral pole current-carrying capacity for 4-pole CBs	[% I_u]	100	100	100	100	100	100	100	100	100	100	100	100	50-100	50-100	50-100	
Rated ultimate short-circuit breaking capacity I_{cu}	[kA]	42	50	66	150	42	66	85	100	66	85	100	150	100	150	200	
Rated service short-circuit breaking capacity I_{cs}	400-415 V	42	50	66	130	42	66	85	100	66	85	100	150	100	150	200	
	500-525 V	42	42	50	100	42	66	66	85	66	66	85	100	100	130	130	
	690 V	42	42	50	60	42	66	66	85	66	66	85	100	100	100	120	
Rated short-time withstand current I_{cw}	[kA]	100	100	100 ¹⁾	100	100	100	100	100	100	100	100	100 ²⁾	100	100	100	
Rated short-circuit making capacity (peak value) I_{cm}	[kA]	42	42	50	15	42	66	66	85	66	66	85	100	100	100	120	
Utilization category (according to IEC 60947-2)	(1s)	24	24	36	-	42	50	50	66	50	66	73 ³⁾	75	100	100	100	
	400-415 V	88	105	145	330	88	145	187	220	145	187	220	330	220	330	440	
	500-525 V	88	105	145	286	88	145	187	220	145	187	220	330	220	330	440	
Breaking	400-415 V	88	88	105	220	88	145	145	187	145	145	187	220	220	286	286	
	500-525 V	88	88	105	132	88	145	145	187	145	145	187	220	220	220	264	
	690 V	88	88	105	132	88	145	145	187	145	145	187	220	220	220	264	
Dimensions	B	B	B	A	B	B	B	B	B	B	B	B	B	B	B	B	
	H - Fixed/Withdrawable	[mm]	296/363.5	296/363.5	296/363.5	296/363.5	371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425
	D - Fixed/Withdrawable	[mm]	183/271	183/271	183/271	183/271	270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383
	W - Fixed 3p/4p/4p FS	[mm]	210/280	210/280	210/280	210/280	276/366	276/366	276/366	276/366	384/510	384/510	384/510	384/510	72/888/1014	72/888/1014	72/888/1014
	W - Withdrawable 3p/4p/4p FS	[mm]	278/348	278/348	278/348	278/348	317/407	317/407	317/407	317/407	425/551	425/551	425/551	425/551	803/929/1069	803/929/1069	803/929/1069

1) I_{cs} : 50 kA for 400V...440V voltage; 2) I_{cs} : 125 kA for 400V...440V voltage; 3) E4.2H 3200A: 66 I_{cw} (3s)

SACE Emax2		E1.2				E2.2				E4.2				E6.2		
Mechanical and electrical life with regular ordinary maintenance prescribed by the manufacturer	[I_u]	≤ 1000	1250	1600	1250 L	< 1600	1600	2000	2500	< 2500	2500	3200	4000	4000	5000	6300
Frequency	[No.oper.x 1000]	20	20	20	20	25	25	25	20	20	20	15	12	12	12	12
Electrical life 440 V	[Oper./Hour]	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
690 V	[No.oper.x 1000]	8	8	8	3	15	12	10	8	10	8	7	5	4	3	2
Frequency	[Oper./Hour]	8	6.5	6.5	1	15	10	8	7	10	8	7	4	4	2	2
	[Oper./Hour]	30	30	30	30	30	30	30	30	20	20	20	20	10	10	10

SACE Emax2 Air circuit breakers

Pricelist



1SDC20042F001



1SDC20042F000



1SDC20042F000



1SDC20042F000

		E1.2	E1.2	E2.2	E2.2	E2.2	E2.2	E2.2	E2.2	E2.2	E2.2	E4.2	E4.2	E4.2	E4.2	E6.2	E6.2	E6.2	E6.2
Rated Current I _u	[A]	800	1250	1250	1600	1600	2000	2000		2500	2500	3200	3200	4000	4000	5000	5000	6300	6300
SACE Emax2		E1.2B	E1.2B	E2.2N	E2.2B	E2.2N	E2.2N	E2.2H		E2.2N	E2.2H	E4.2N	E4.2H	E4.2N	E4.2H	E6.2H	E6.2V	E6.2H	E6.2V
No. of Pole	[No.]	3/4	3/4	3/4	3/4	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
I _{cu} 400-415Vac	[kA]	42	42	66	42	66	66	100		66	100	66	100	66	100	100	150	100	150
I _{cu} 690Vac	[kA]	42	42	66	42	66	66	85		66	85	66	85	66	85	100	100	100	100
Ics																			
400-415Vac	[kA]	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Utilization category		B	B	B	B	B	B	B		B	B	B	B	B	B	B	B	B	B
service voltage, U _e	[V]	690	690	690	690	690	690	690		690	690	690	690	690	690	690	690	690	690
Basic dimensions																			
for 3 poles fixed version L x H x P	[mm.]	296x183x210						371x270x276				371x270x384				371x270x762			
for 3 poles draw-out version L x H x P	[mm.]	363x271x278						425x383x317				425x383x425				425x383x803			
ราคาต่อหน่วย - บาท (3 Poles fixed version)																			
EKIP Touch - LI		*	131,300	138,800	*	155,600	177,000	*		231,400	*	289,800	354,000	434,400	513,000	*	*	*	*
EKIP Touch - LSIg		*	188,000	189,700	*	207,100	231,400	*		286,900	*	335,500	410,700	491,000	570,900	*	*	*	*
ราคาต่อหน่วย - บาท (3 Poles draw-out version)																			
EKIP Touch - LI		*	169,500	179,300	*	198,400	228,500	*		293,200	*	374,800	442,500	550,000	631,000	*	*	*	*
EKIP Touch - LSIg		*	226,700	237,700	*	256,200	287,500	*		351,100	*	430,300	500,300	601,500	684,800	*	*	*	*
ราคาอุปกรณ์เสริม - บาท (Accessories)																			
Electrical accessories																			
Mechanical accessories																			
Display and Module																			
Communication and Supervision																			
		E1.2	E2.2-E6.2			E1.2	E2.2-E6.2							Touch					Touch
Shunt opening releases 220V.		6,360	6,360			Mechanical interlock for 2 CBs(A)	56,220	56,220		EKIP Multimeter				28,340		EKIP Link			40,000
Shunt closing releases 220V.		6,360	6,360			Mechanical interlock for 3 CBs(C)	87,100	87,100		EKIP Power Supply				10,000		EKIP Actuator			10,000
Undervoltage releases 220V.		8,100	8,100			Key lock in open position	4,160	4,160		EKIP Signalling 10K E1.2-E6.2				63,000		EKIP Com Modbus 485			13,000
Geared motor charging spring with shunt closing release		40,140	40,140			Mechanical Counter	7,060	7,060		EKIP Signalling 2K				*		EKIP Com Modbus TCP			15,000
Remote Reset 250Vac/dc		24,290	24,290			Key lock for draw-out position	6,590	6,590		EKIP Signalling 4K				*		Ekip Com Profibus			25,000
Auxiliary draw-out position		11,800	11,800			Rating Plug 400-6300A	4,280	4,280		EKIP Measuring module				7,000		Ekip Com Profinet			21,000
Ready to close contact 250V		2,540	2,540			ATS022 Controller	83,290	83,290		EKIP Measuring Pro module				31,300		Ekip Com DeviceNet™			21,000
Electrical Tripping indicator		4,510	4,510			EKIP Bluetooth	60,000	60,000		EKIP Synchrocheck				*		Ekip Com EtherNet/IP™			35,000
Electronic time-delay		9,600	9,600			EKIP View Computer Software	*	*		EKIP Power Controller				*		Ekip Com IEC61850			48,000
Electronic time-delay and undervoltage releases 220V.		17,700	17,700							(always order with new ACB only)						EKIP Com Hub			15,000
										Power supply 24 Vdc. - CP-E24/0.75				3,840		EKIP TT			7,000
										Ekip Signalling3T-1 AI -Temp PT1000				15,000		EKIP programming			24,000
										Ekip Signalling3T-2 AI -Temp PT1000				15,000		Measuring Package for Emax 2			6,000
										External Probe PT1000 3mt				9,000					

อุปกรณ์เสริมมาตรฐานที่มาพร้อมกับเซอร์กิตเบรกเกอร์ทุกรุ่น

- 4 Auxiliary contacts (Change-Over)
- Mechanical Tripping Indicator
- Electrical Tripping Indicator
- Door flange
- External neutral current transformer (สำหรับรุ่น LSIg)
- Rack in-out auxiliary contacts (สำหรับรุ่น LSIg แบบ Draw-out)

หมายเหตุ ถ้าต้องการ EKIP Measuring Module สำหรับรุ่น EKIP Touch ราคา Pricelist จะเพิ่มขึ้น 6,000 บาท ซึ่งสามารถวัดค่า voltage, power และ energy ได้
* กรุณาติดต่อสอบถามจากตัวแทนจำหน่าย บริษัท เอบีบี จำกัด