



Specifications and technical data are subject to change without notice.
Please contact to confirm relevant information on ordering.

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EBASEE
Smart Living Green Ebasee



CONTROL ELECTRIC



COMPANY PROFILE

As a leading supplier in the low voltage electrics industry, Shanghai Ebasee Electric Co., Ltd. products have been used for residential, commercial and industrial applications with its quality and service. EBASEE brand is recognized for its quality and reliability in an ever-increasing number of markets worldwide. So far EBASEE products have been approved by international labs including BV, TUV, Intertek, with KEMA, CB, SEMKO, RoHS, CE, and CCC etc.

With qualified raw materials and components supply, all products are manufactured by EBASEE's defined international specifications. We have 4 semi-auto production lines, up-to-date quality control facilities, well-trained and experienced workers. Moreover, with a technical R & D team and fully equipped in-house laboratory, EBASEE factory can carry out efficient new products development, daily production and QC.

EBASEE have a wide range of cooperations with world leading companies in new products development, OEM and ODM cooperation. Meanwhile, we process the idea of green and smart energy, working with universities such as Xi'an Jiao Tong University to get more intelligent and environmental electric solutions.

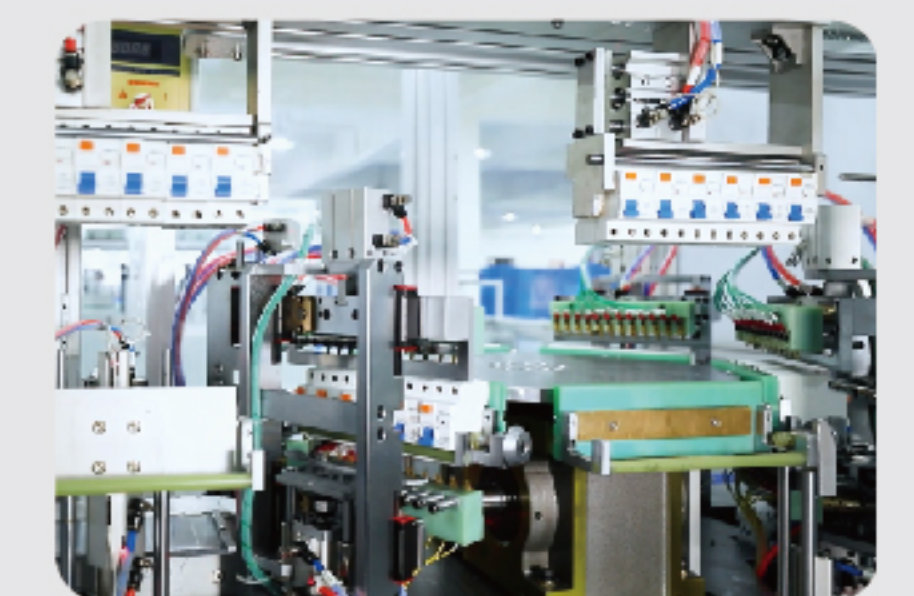
EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systematic and cost-effective products and service in the market.

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

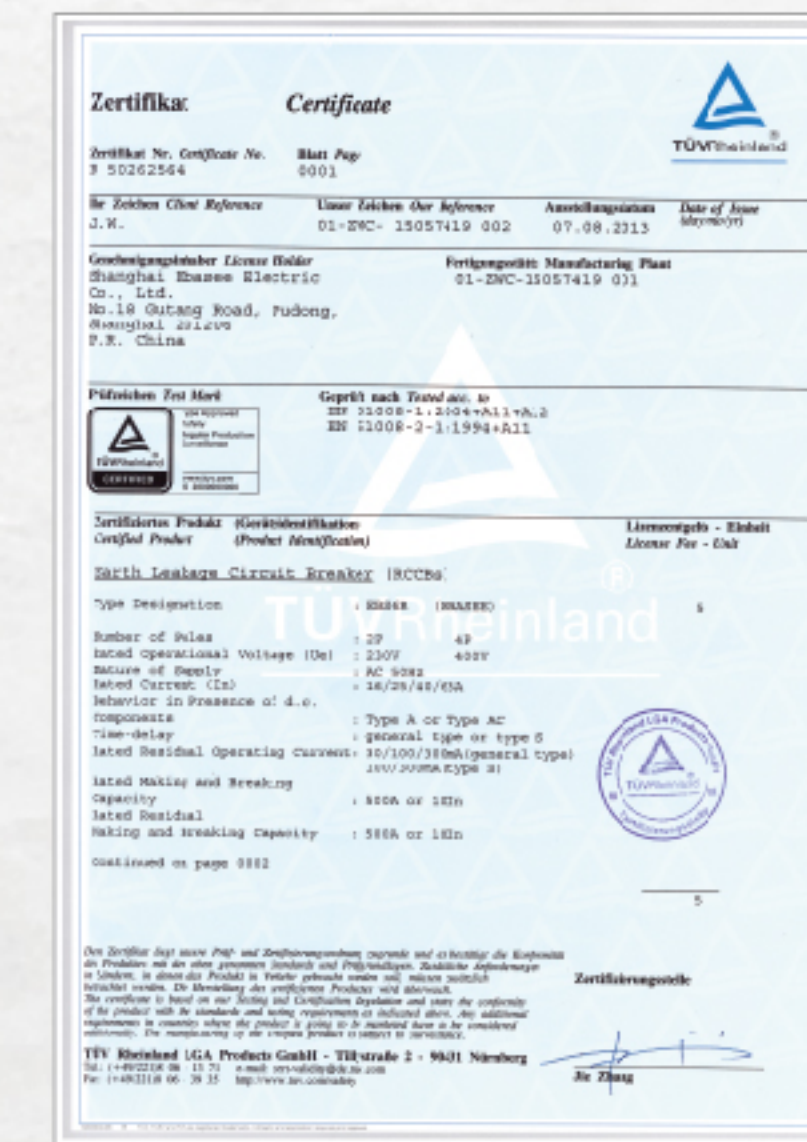
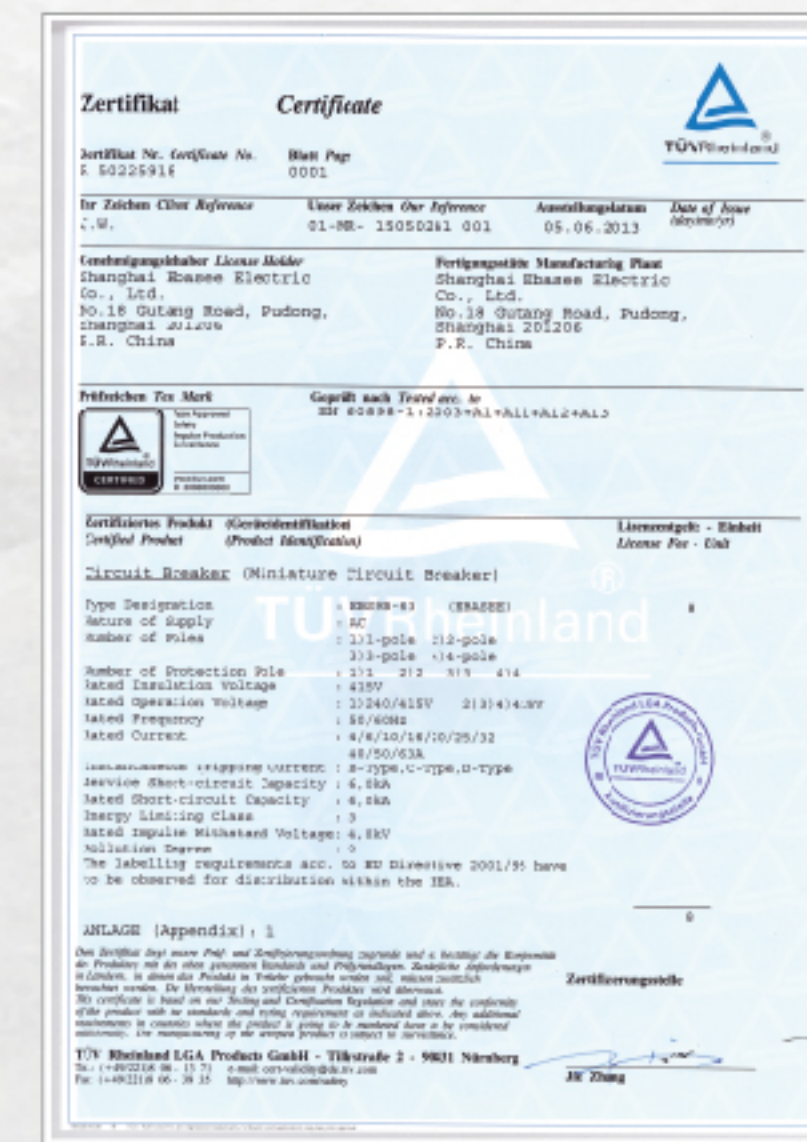
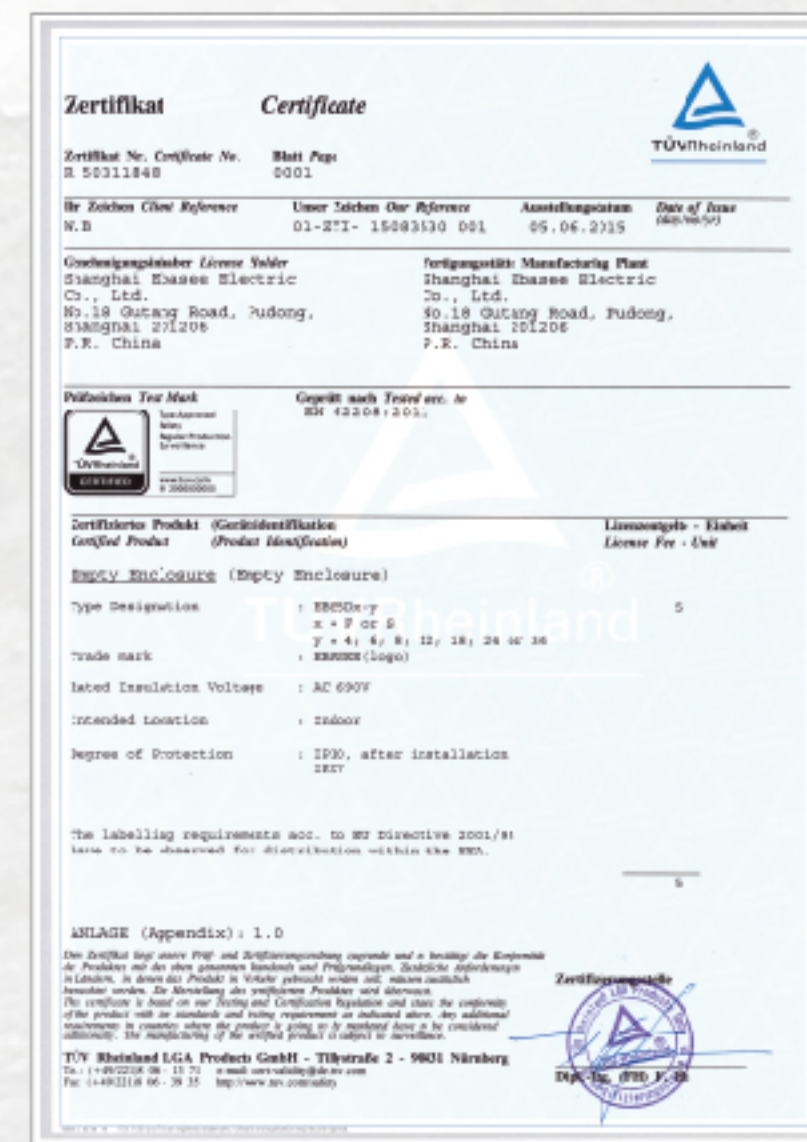
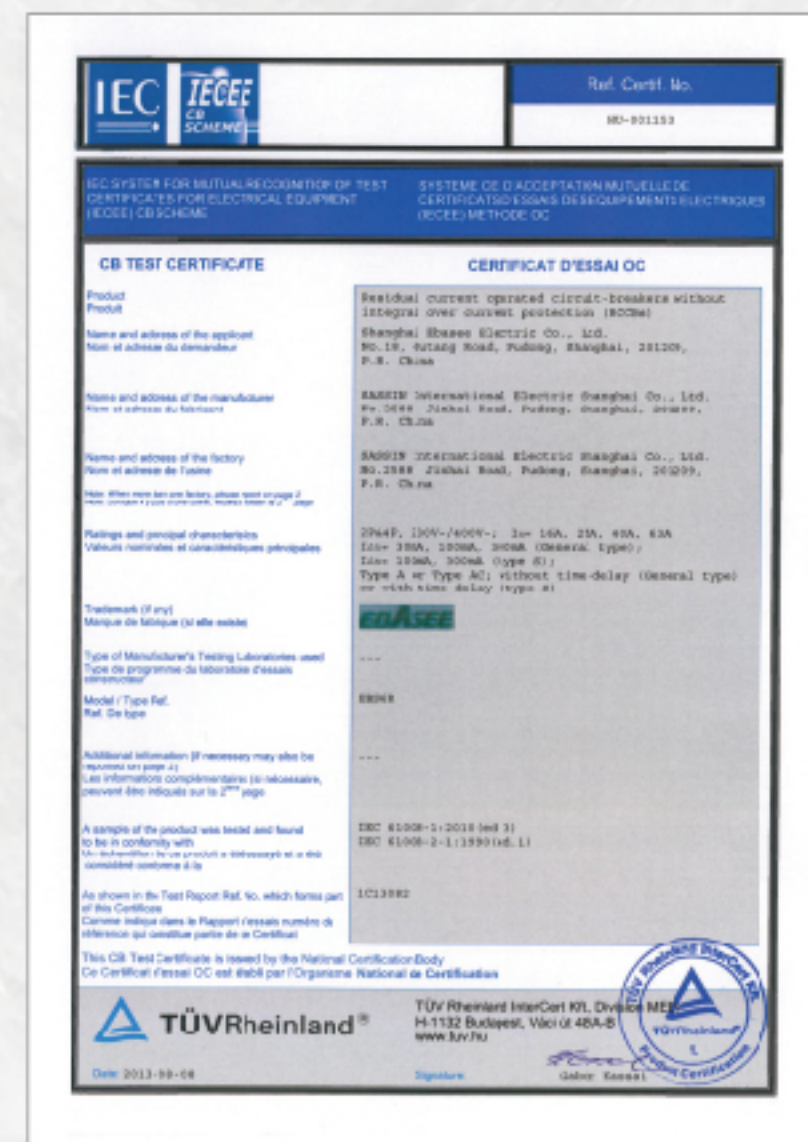
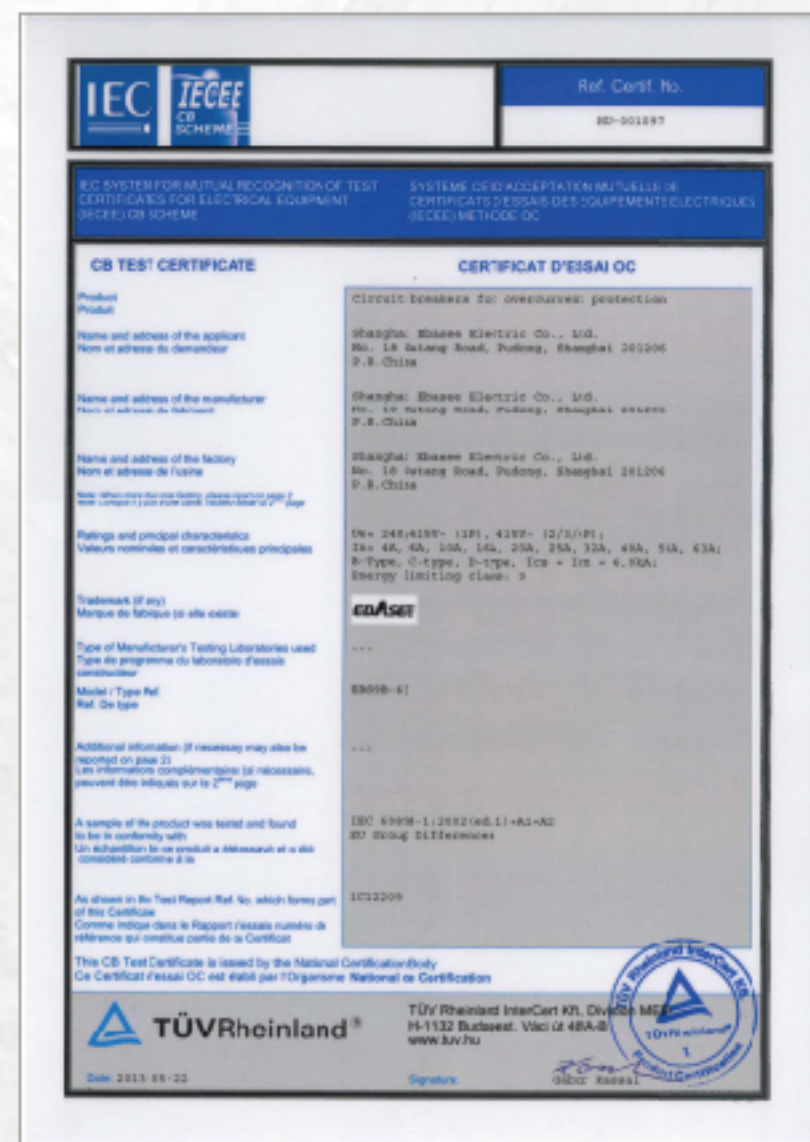
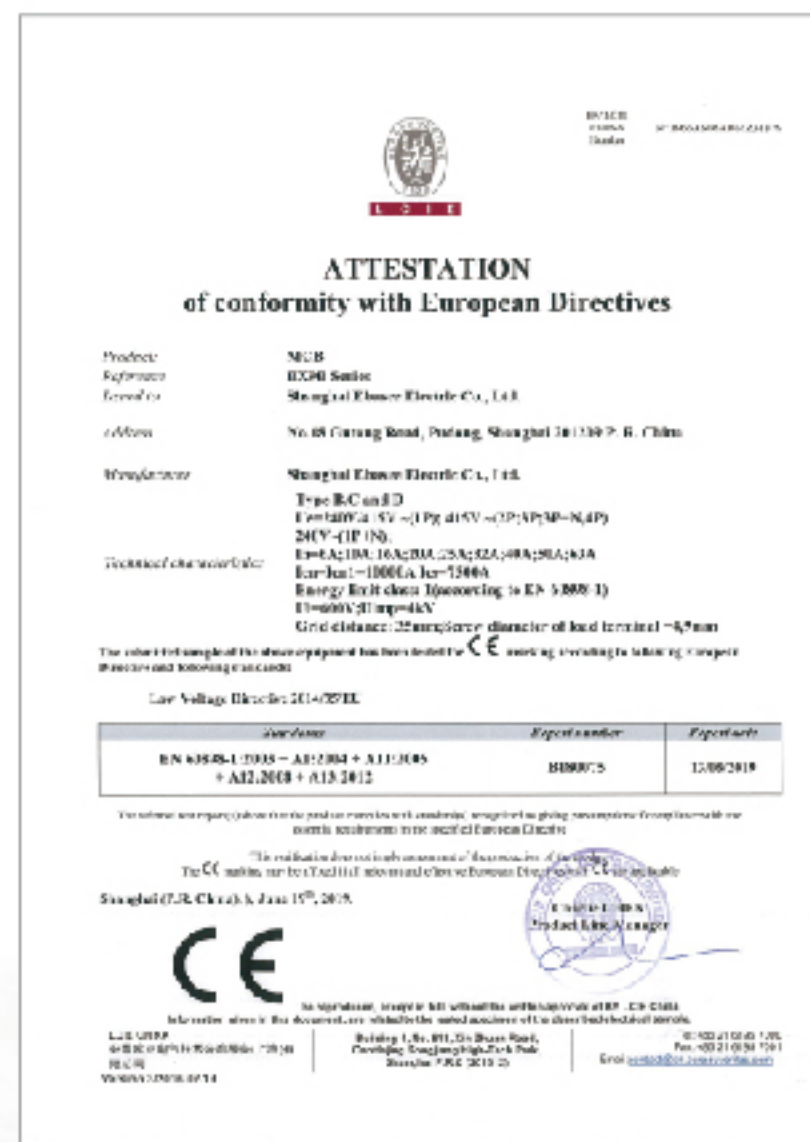


SMART LIVING GREEN EBASEE

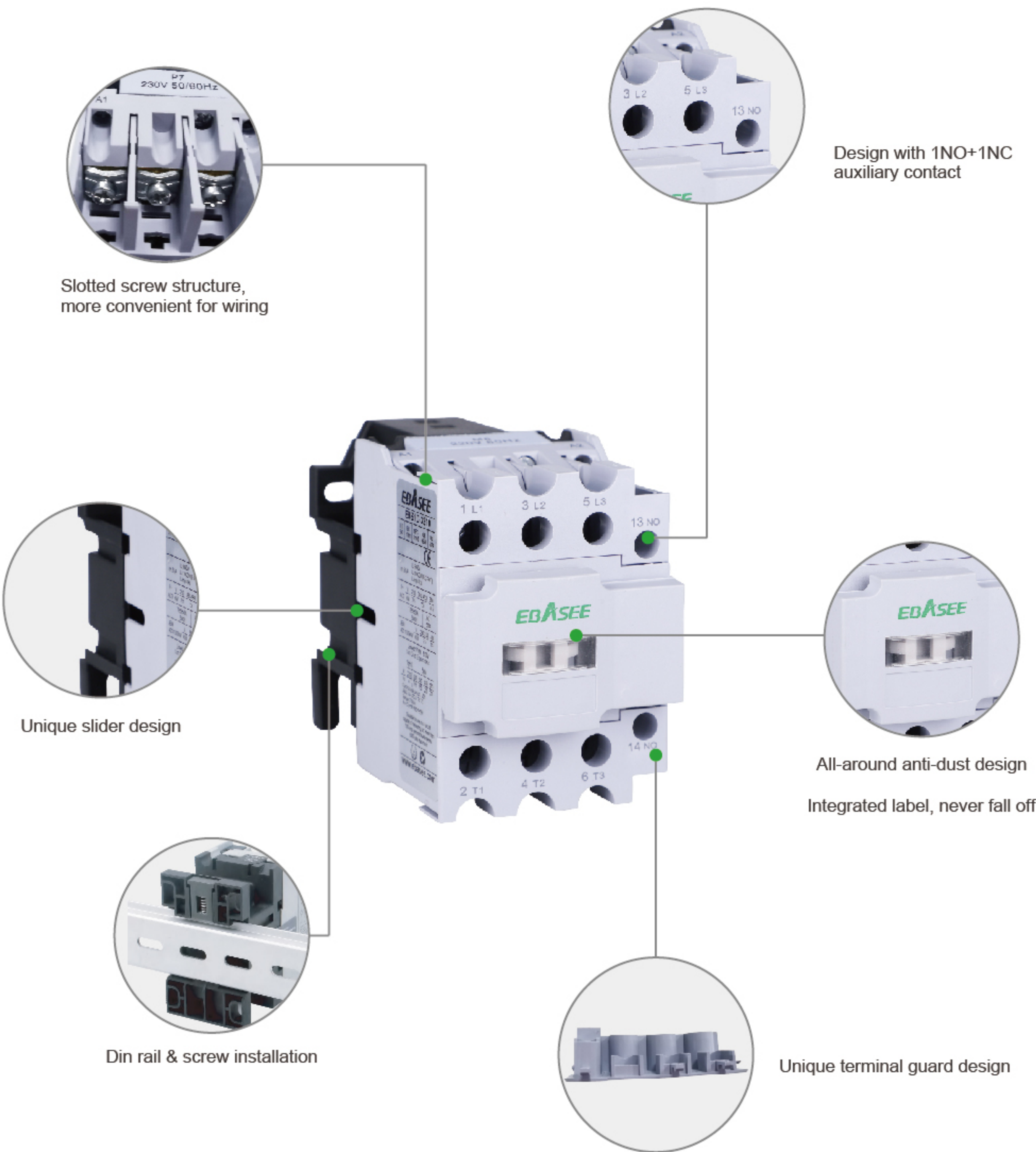


INTERNATIONAL QUALITY CERTIFICATE

EBASEE products have been approved by international labs including BV, TUV, Intertek, with KEMA, CB, SEMKO, RoHS, CE, and CCC etc.



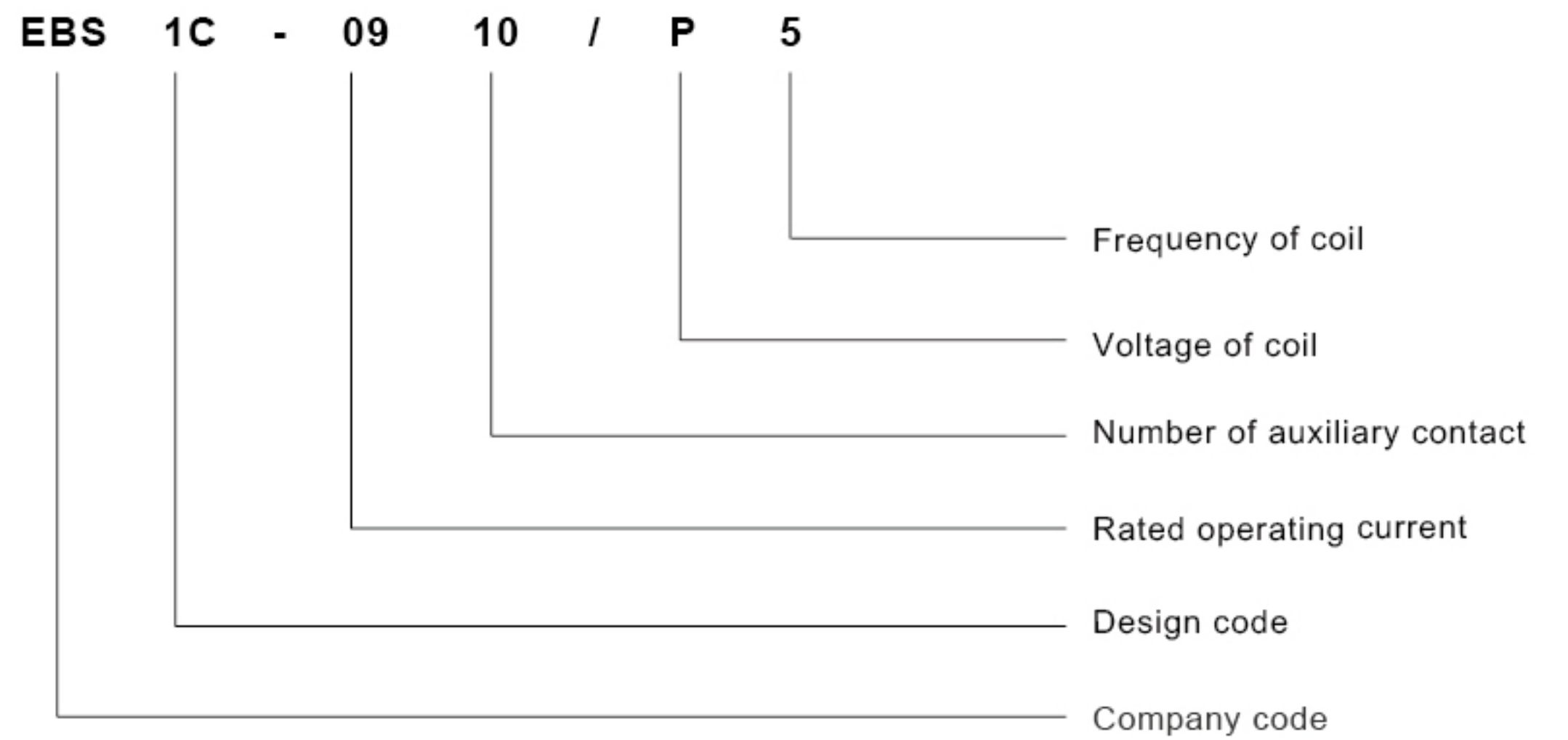
Product Structure Analysis Diagram



1.General

EBS1C AC Contactor is suitable for using in the circuits of AC 50Hz or 60Hz, rated insulating voltage 660V, rated operating voltage up to 690V, rated operating voltage 380/400V in AC-3 type, rated operating current up to 95A, for making, breaking, frequently starting & controlling the AC motor. Combined with the auxiliary contact block, timer delay & mechanical interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, stardelta starter. With the thermal relay, it is combined into the electromagnetic starter. The contactor is produced according to IEC60947-4.

2.Nomenclature



Note

- A) Ambient temperature: the upper limit shall not exceed +40°C; the average value within 24 hours shall not exceed +30°C; the lower limit shall be not less than -5°C;
- B) Altitude: Installation altitude shall not exceed 2000m.
- C) Atmosphere conditions: Relative humidity shall not exceed 50% when the ambient temperature is +40°C. Higher relative humidity is permissible at lower temperature, for example, it can be 90% at 20°C. Special measures should be taken to address the dew occurred occasionally due to temperature changes.
- D) Anti-pollution degree: III
- E) Installation category: III
- F) Installation conditions: Slant of contactor mounting surface shall not exceed $\pm 5^\circ$. Contactor can also be installed with TH type DIN rails of 35mm (32A and below) and 35mm or 75mm (40A and above) other than by.
- G) Shock: Contactors can be installed and used in situation with frequency 2~13.2 Hz, amplitude within $\pm 1\text{mm}$ or places with frequency 13.2~100 Hz and acceleration within $\pm 7\text{m/s}^2$

3.Specifications

3.1 Code of Coil

Coil voltage Us(V)	24	36	48	110	127	220	230	240	380	415	440	480	500	600	660
50Hz	B5	C5	E5	F5	G5	M5	P5	U5	Q5	N5	R5	-	S5	-	Y5
60Hz	B6	-	E6	F6	G6	M6	P6	U6	Q6	N6	R6	T6	-	S6	-
50/60Hz	B7	-	E7	F7	-	M7	P7	-	Q7	N7	R7	-	-	-	-

3.2 Specification of Coil

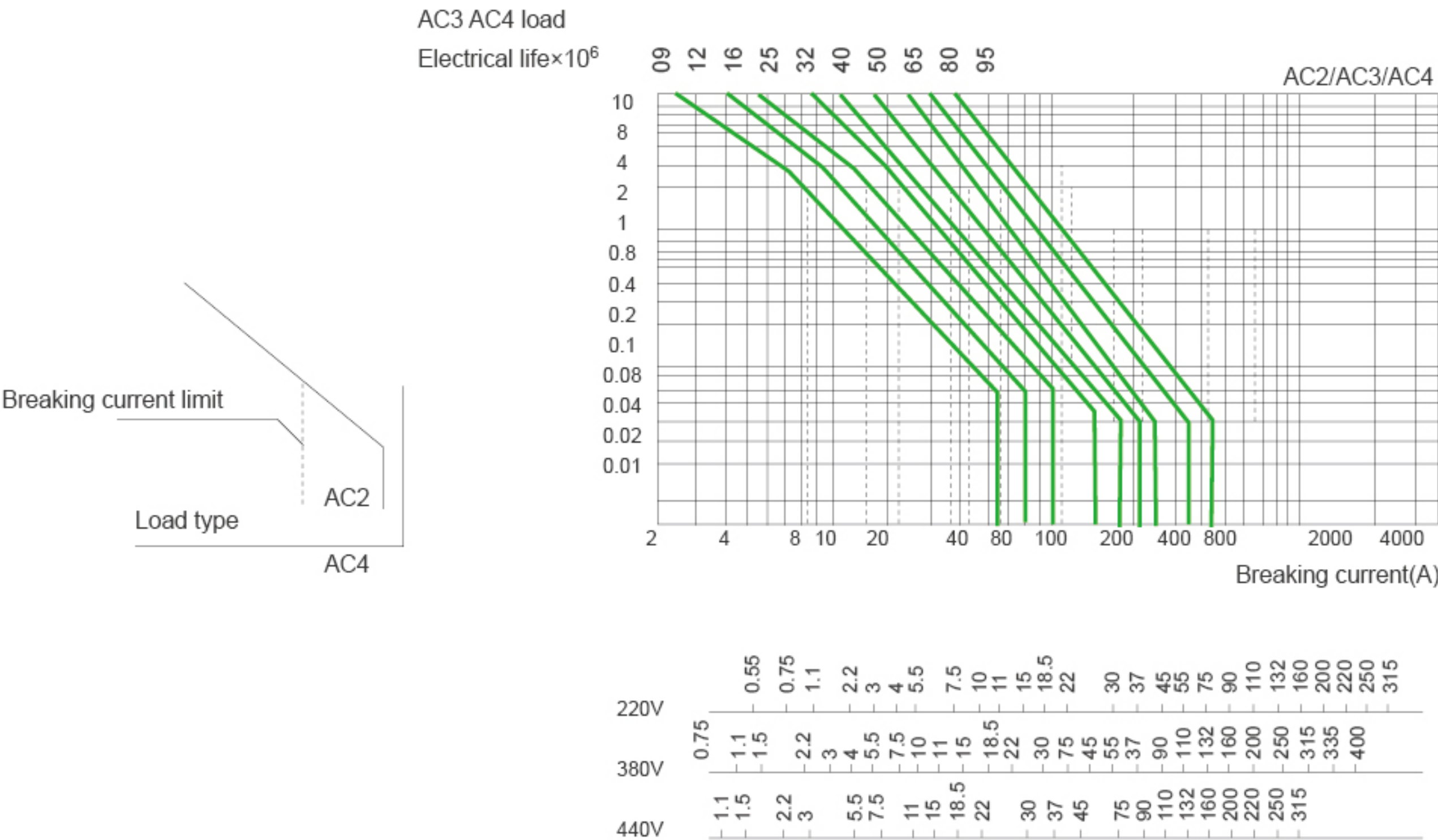
Type	EBS1C-09	EBS1C-12	EBS1C-18	EBS1C-25	EBS1C-32	EBS1C-40	EBS1C-50	EBS1C-65	EBS1C-80	EBS1C-95
Coil power	Pick-up(VA)	70	70	70	110	110	200	200	200	200
	Holding(VA)	8	8	8	11	11	20	20	20	20
	Power(W)	1.8~2.8	1.8~2.8	1.8~2.8	3~4	3~4	6~10	6~10	6~10	6~10

3.3 Technical Data

Type			EBS1C-09		EBS1C-12		EBS1C-18		EBS1C-25		EBS1C-32		EBS1C-40		EBS1C-50		EBS1C-65		EBS1C-80		EBS1C-95		
Rated working current(Ie)	380V	AC-3	9		12		18		25		32		40		50		65		80		95		
		AC-4	3.5		5		7.7		8.5		12		18.5		24		28		37		44		
	660V	AC-3	6.6		8.9		12		18		21		34		39		42		49		55		
		AC-4	1.5		2		3.8		4.4		7.5		9		12		14		17.3		21.3		
Rated insulating voltage (Ui) V			660		660		660		660		660		660		660		660		660		660		
Conventional heating current (Ith)A			20		20		32		40		50		60		80		80		125		125		
Controllable 3-phase squirrel-cage motor power(AC-3)kW		220V	2.2		3		4		5.5		7.5		11		15		18.5		22		25		
		380V	4		5.5		7.5		11		15		18.5		22		30		37		45		
		660V	5.5		7.5		9		15		18.5		30		33		37		45		45		
AC-3	Electrical life (10 ⁴)times		100		100		100		100		80		80		80		80		60		60		
	Operation frequency (times/h)		1200		1200		1200		1200		600		600		600		600		600		600		
AC-4	Electrical life (10 ⁴)times		20		20		20		20		15		15		15		15		10		10		
	Operation frequency (times/h)		300		300		300		300		300		300		300		300		300		300		
Mechanical life (10 ⁴) times			1000		1000		1000		1000		800		800		800		800		600		600		
Auxiliary contact	Conventional heating current (Ith)A		10																				
	Rated working voltage (Ue)V		AC 380 DC 220																				
	Rated control capacity		360VA(AC-15) of 33W(DC-13)																				
	Electrical life(10 ⁴) times		100																				
	Mechanical life (10 ⁴) times		1000																				
	Minimum load of making		6V 10mA																				
Coil	Rated control voltage (Us) V		24,36,48,110,127,220,240,380,400 (see below the specifications of coil)																				
	Operate voltage V		85%~110%Us																				
	Release voltage V		20%~75%Us																				
	Operate VA		70	70	70	110	110	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	Holding VA		8	8	8	11	11	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
	Power W		1.8~2.8	1.8~2.8	1.8~2.8	3~4	3~4	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10
Matched fuse type and current			RT16-20		RT16-20		RT16-32		RT16-40		RT16-50		RT16-63		RT16-80		RT16-80		RT16-100		RT16-125		
Cable connected		Number of cable		1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
with terminal		Soft cable		2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10	16	16	25	25	50	25	25	50
mm ²		Solid cable		4	4	4	4	6	6	6	6	10	10	16	-	25	-	25	-	50	-	50	-

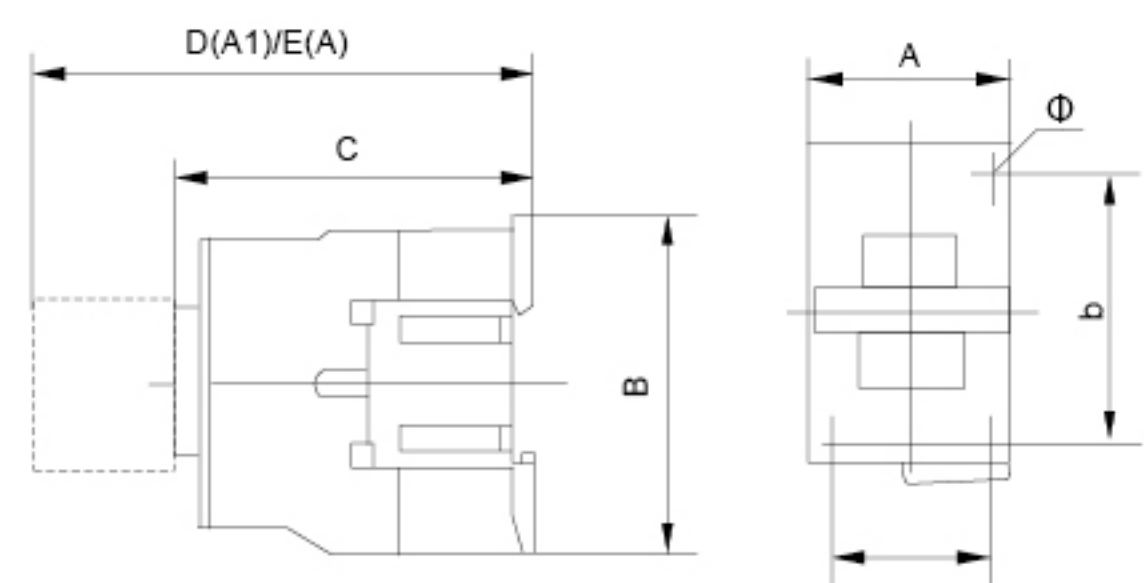
3Poles						Type code	
Rated operating current (AC-3) up to 400V (A)	Conventional heating current Ith (A)	Power of controlled 3-phase cage motor (AC-3)			Auxiliary contact 		230V AC 50Hz Please contact us for other coil specifications.
		220V 230V	380V 400V	660V 690V			
		(kW)					
9	20	2.2	4	5.5	1		1C-0910P5
					-	1	1C-0901P5
12	20	3	5.5	7.5	1	-	1C-1210P5
					-	1	1C-1201P5
18	32	4	7.5	9	1	-	1C-1810P5
					-	1	1C-1801P5
25	40	5.5	11	15	1	-	1C-2510P5
					-	1	1C-2501P5
32	50	7.5	15	18.5	1	-	1C-3210P5
					-	1	1C-3201P5
40	60	11	18.5	30	1	1	1C-4011P5
50	80	15	22	33	1	1	1C-5011P5
65	80	18.5	30	37	1	1	1C-6511P5
80	110	22	37	45	1	1	1C-8011P5
95	110	25	45	45	1	1	1C-9511P5

3.4 Electrical Life Curve

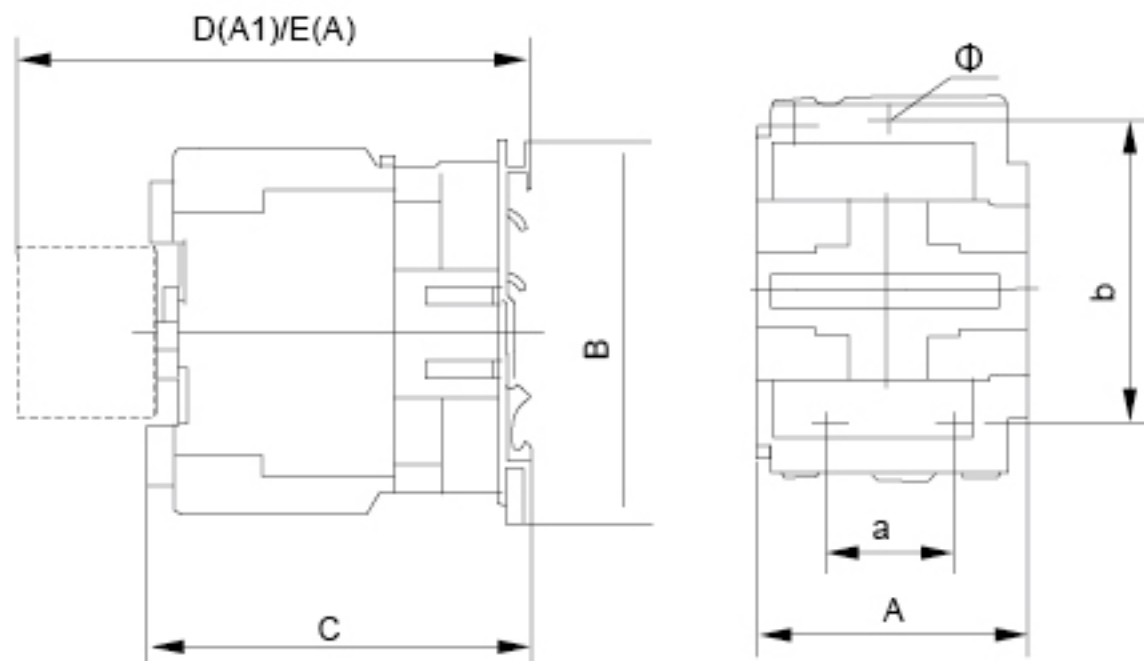


4.Dimensions

EBS1C-09~32 Dimensions



EBS1C-40~95 Dimensions



Type	A max	B max	C max	D max	E max	a	b	Φ
EBS1C-09-12	47	76	82	113	133	34/35	50/60	4.5
EBS1C-18	47	76	87	118	138	34/35	50/60	4.5
EBS1C-25	57	86	95	126	146	40	48	4.5
EBS1C-32	57	86	100	131	151	40	48	4.5
EBS1C-40~65	77	129	116	145	165	40	100/110	6.5
EBS1C-80~95	87	129	127	175	195	40	100/110	6.5

5.Order Note

Following items should be marked when ordering	Ordering sample
Product name, model & rated current NO.of NO/NC auxiliary contact Voltage of coil & frequency of coil Quantity	To order EBS1C AC Contactor, rated current 25A,No.of NO auxiliary contact is 1, voltage of coil is 230V,50/60 Hz, quantity is 1000 pieces, should be marked: AC contactor EBS1C-2510P7 1000pcs.