



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

📍 No.18, Gutang Rd, Shanghai 201209, China
☎ +86 21 5032 0898
📠 +86 21 5032 0828
✉ info@ebasee.com
🌐 www.ebasee.com



Copy right reserved EBS.NO.2021001

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.

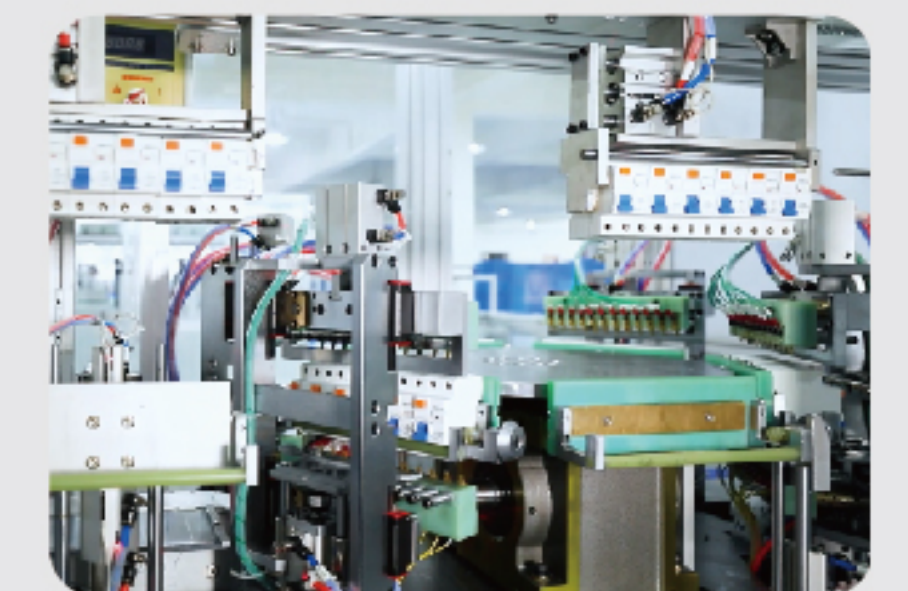
EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "market-oriented", powered by the idea of "Quick response and flexible supply", EBASEE support our worldwide partners to compete against established global players, to deliver the most systematic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

"Smart life, Green EBASEE"



Quality is our culture!

PRODUCTION LINE

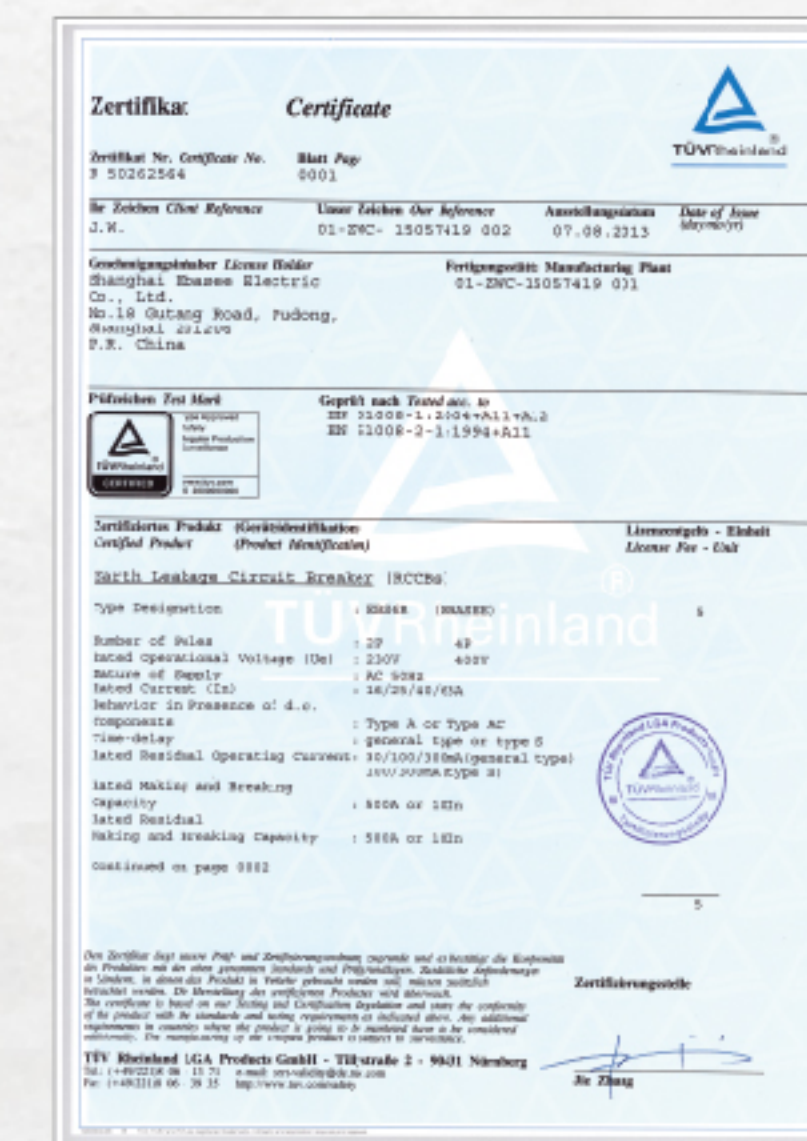
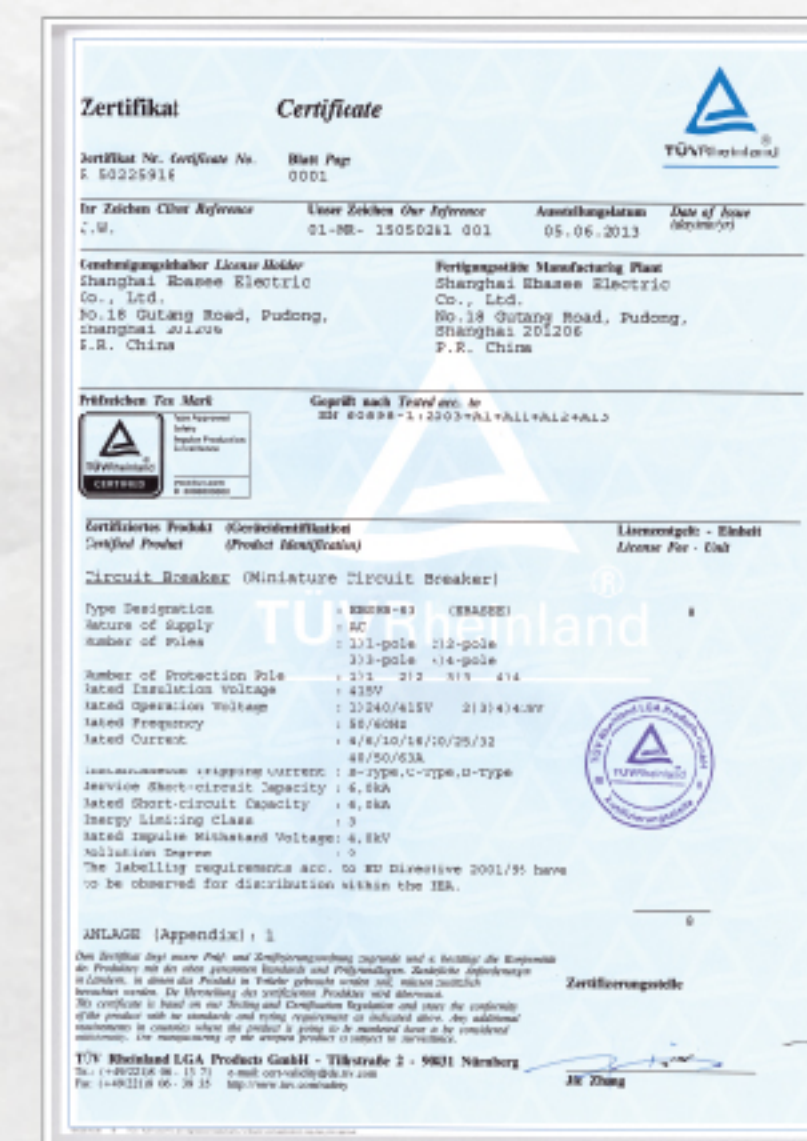
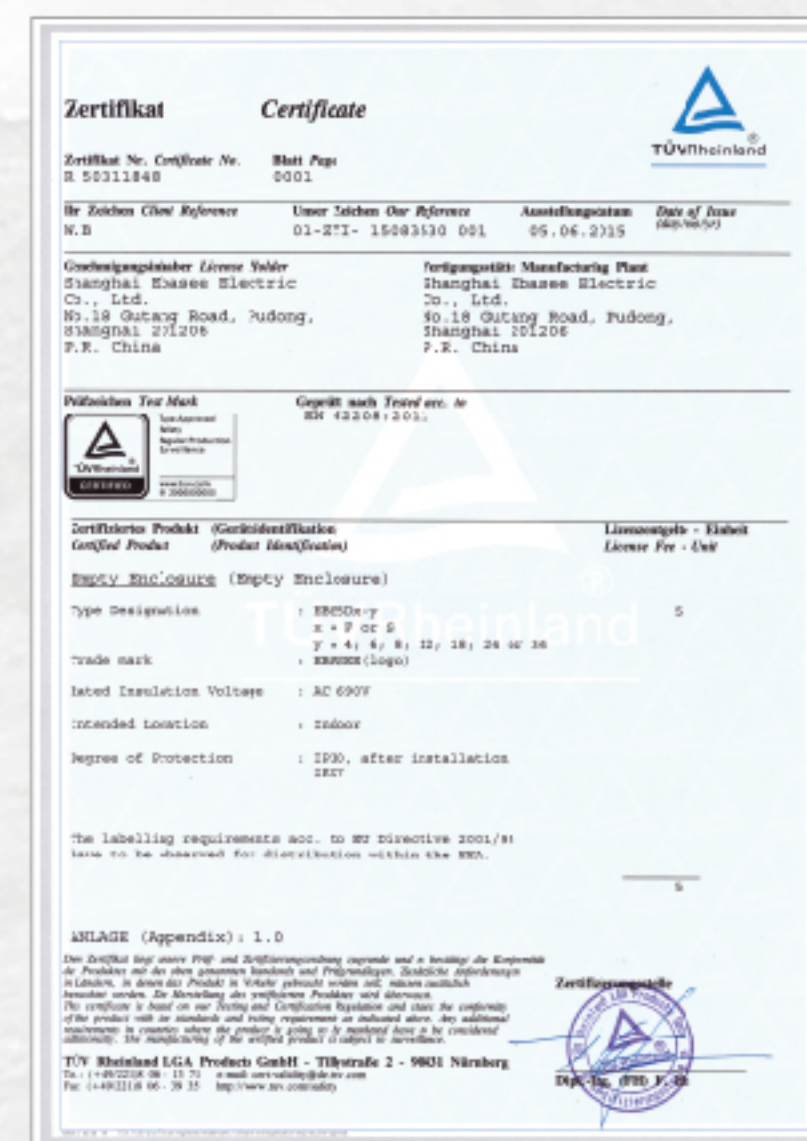
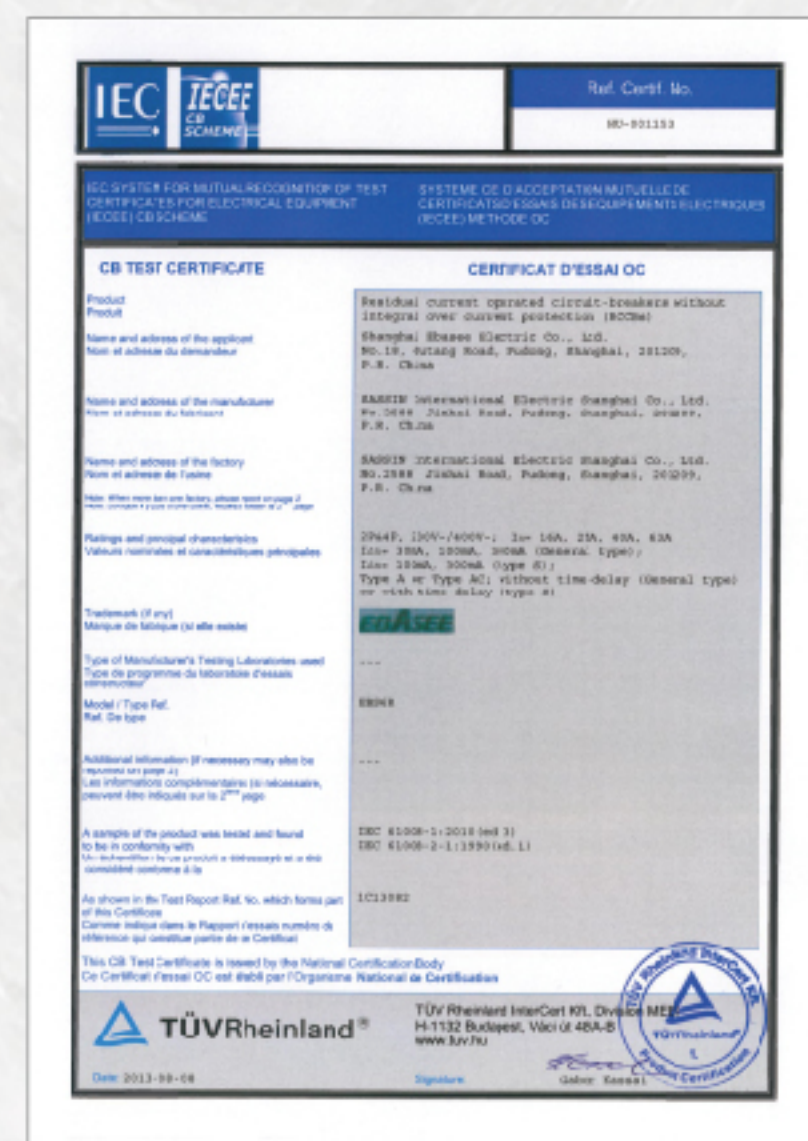
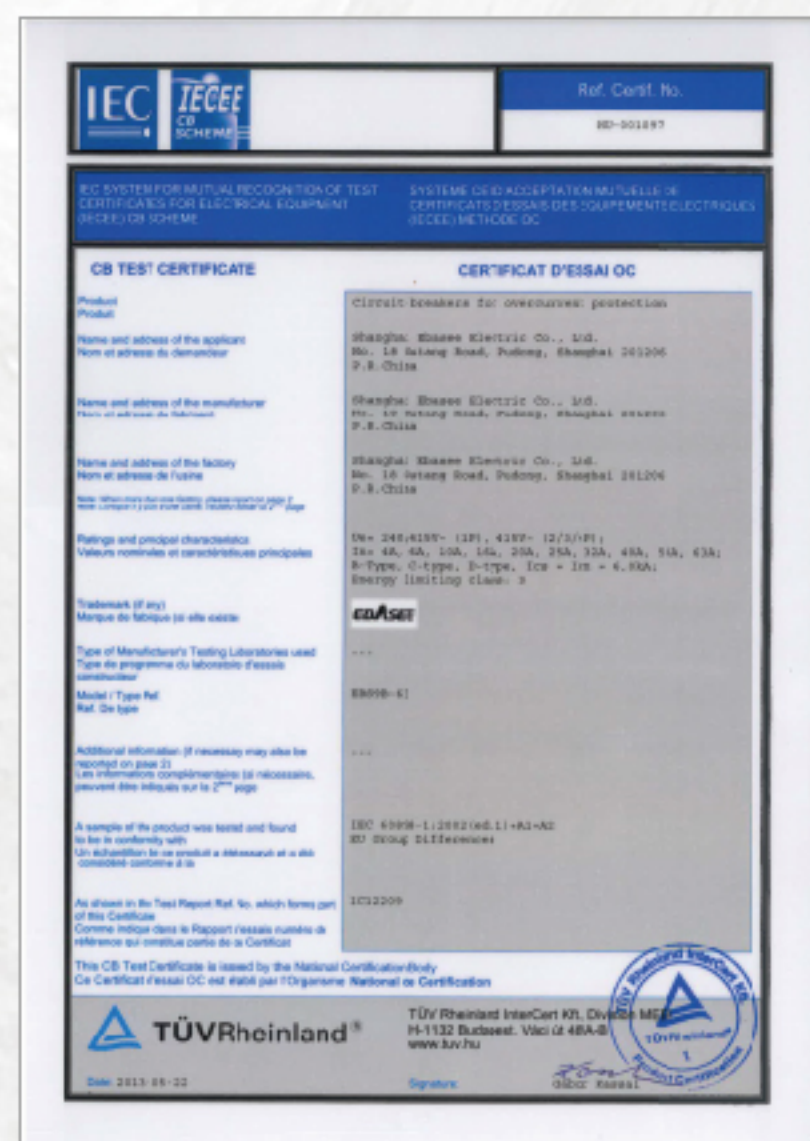


SMART LIVING GREEN EBASEE



INTERNATIONAL QUALITY CERTIFICATE

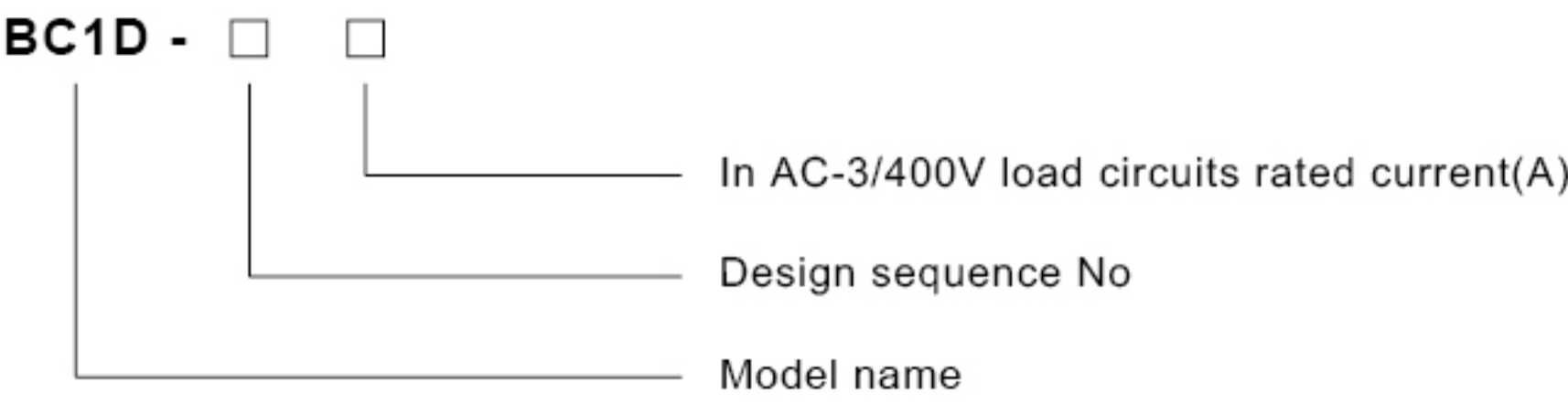
EBASEE products have been approved by international labs including BV, TUV, Intertek, with KEMA, CB, SEMKO, RoHS, CE, and CCC etc.



1.General

BC1D 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



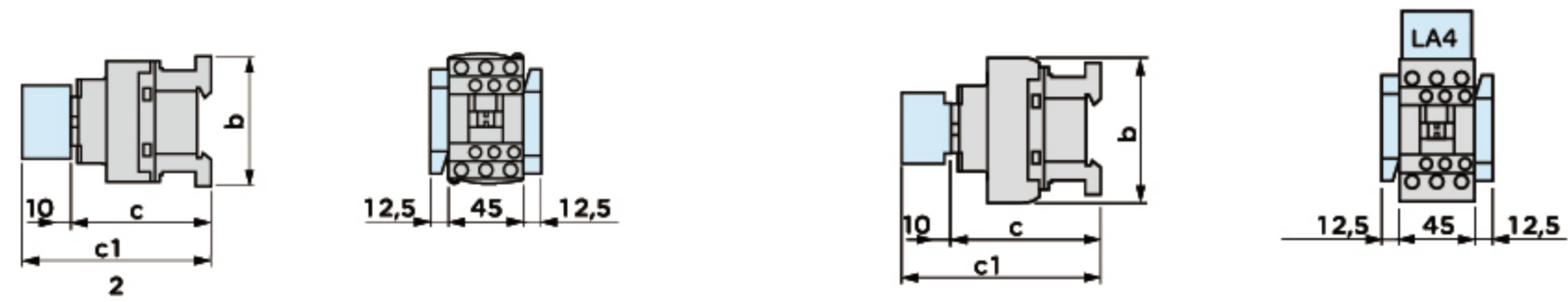
3.Specifications

Items	Model		BC1D-09	BC1D-12	BC1D-18	BC1D-25
Frame			Frame1 3P			Frame2 3P
Rated conventional heating current (A) AC-1			20	20	32	40
Rated operational current (A)	400V	AC-3	9	12	18	25
		AC-4	3.5	5	7.7	8.5
	690V	AC-3	6.6	8.9	12	18
		AC-4	1.5	2	3.8	4.4
Rated insulation voltage (V AC)			690	690	690	690
Power of controlled 3-phase cage motor (AC-3)	kW	230V AC	2.2	3	4	5.5
		400V AC	4	5.5	7.5	11
		690V AC	5.5	7.5	10	15
	hp	220V AC	3	5	7.5	7.5
		240V AC	3	5	7.5	10
		460V AC	5	7.5	10	15
		600V AC	5	7.5	10	15
Operating frequency (operations/h)	Electrical	AC-3	1200	1200	1200	1200
		AC-4	300	300	300	300
	Mechanical		3600	3600	3600	3600
Electrical life (X10 ³ operations)	AC-3		1000	1000	1000	1000
	AC-4		200	200	200	200
Mechanical life (X10 ⁶ operations)			10	10	10	10
Matching fuse model			RT16-20	RT16-20	RT16-32	RT16-40

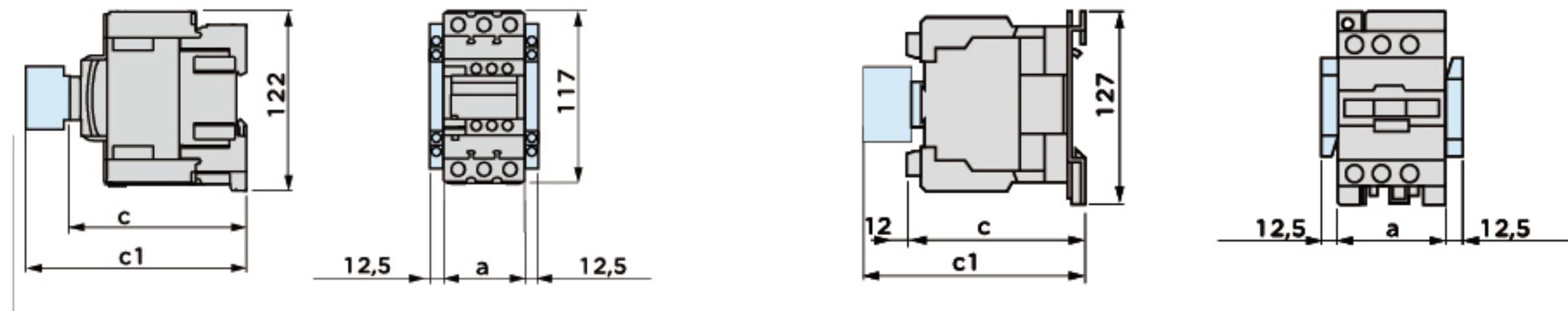
BC1D-32	BC1D-38	BC1D-40	BC1D-50	BC1D-65	BC1D-80	BC1D-95
		Frame3 3P			Frame4 3P	
50	50	60	80	80	95	95
32	38	40	50	65	80	95
12	12	18.5	24	28	37	44
21	21	34	39	42	49	49
7.5	7.5	9	12	14	17.3	21.3
690	690	690	690	690	690	690
7.5	9	11	15	18.5	22	25
15	18.5	18.5	22	30	37	45
18.5	18.5	30	37	37	45	45
10	10	15	15	20	25	30
15	15	20	20	25	30	30
20	20	25	30	40	40	50
20	20	25	30	40	40	50
600	600	600	600	600	600	600
300	300	300	300	300	300	300
3600	3600	3600	3600	3600	3600	3600
800	800	800	600	600	600	600
200	200	150	150	150	100	100
8	8	8	8	8	6	6
RT16-50	RT16-50	RT16-63	RT16-80	RT16-80	RT16-100	RT16-125

4.Dimensions

BC1D-09~18	BC1D-25~38
------------	------------



BC1D-40~65	BC1D-80~95
------------	------------

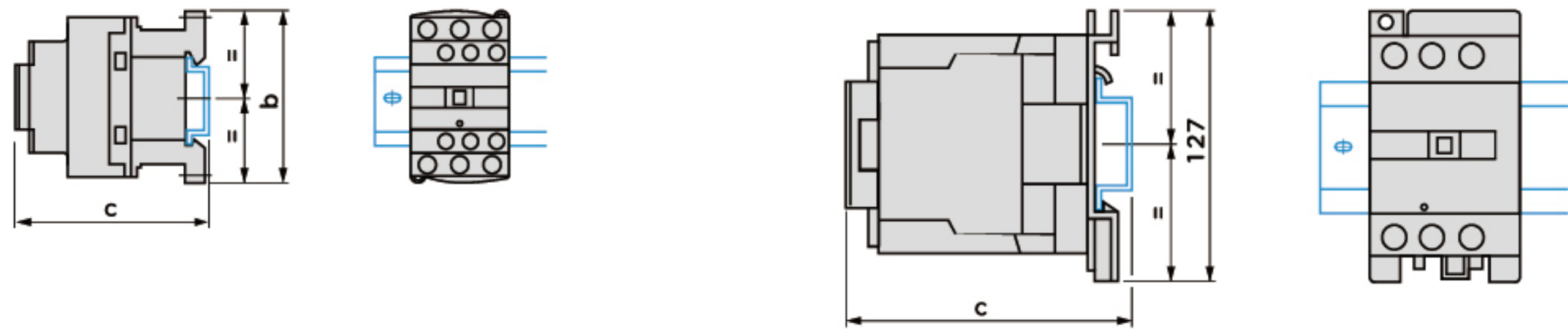


	BC1D-09~18	BC1D-25~38	BC1D-40~65	BC1D-80~95
a			55	85
b	77	85		
c	84	90	118	125
c1	117	123	150	158

BC1D-09~38	BC1D-40~95
------------	------------

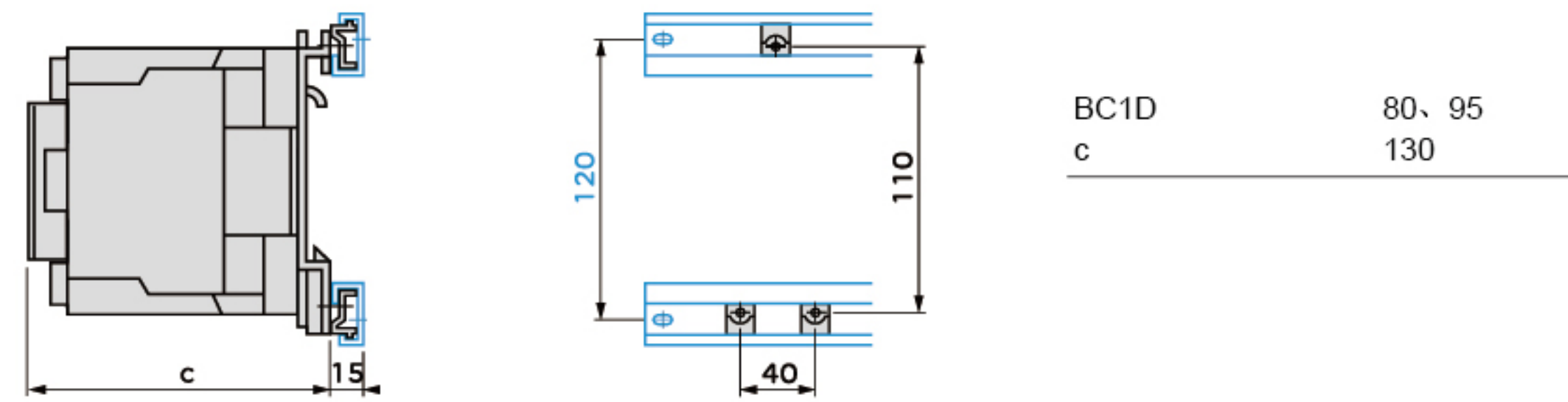
lead rail (35mm)

lead rail (75mm)
lead rail (35mm)



	BC1D-09~18	BC1D-25~38	BC1D-40~65	BC1D-80~95
b	77	85	c(75mm)	137
c	88	94	c(35mm)	137

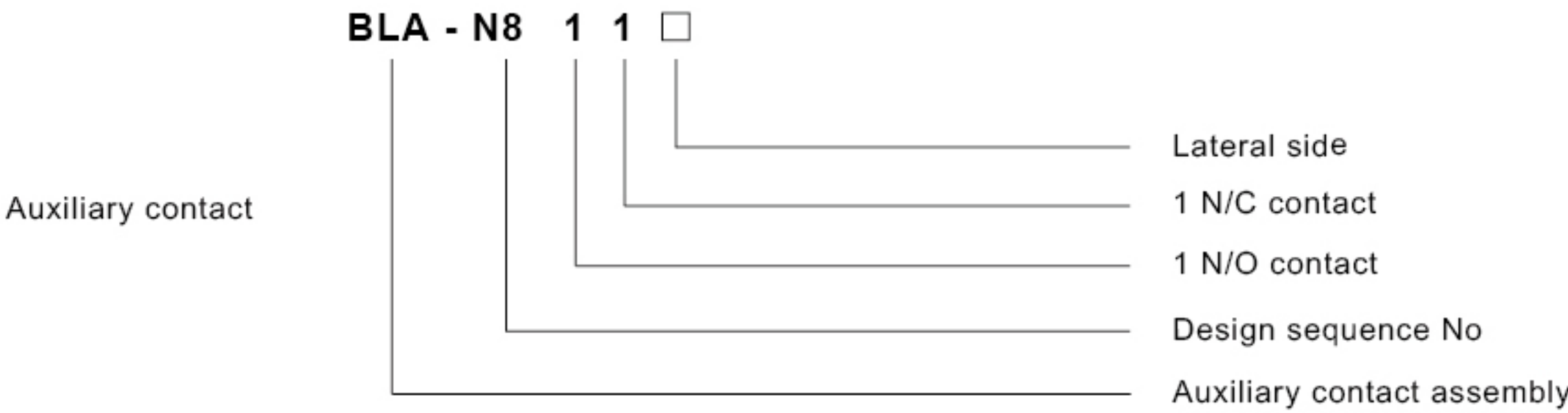
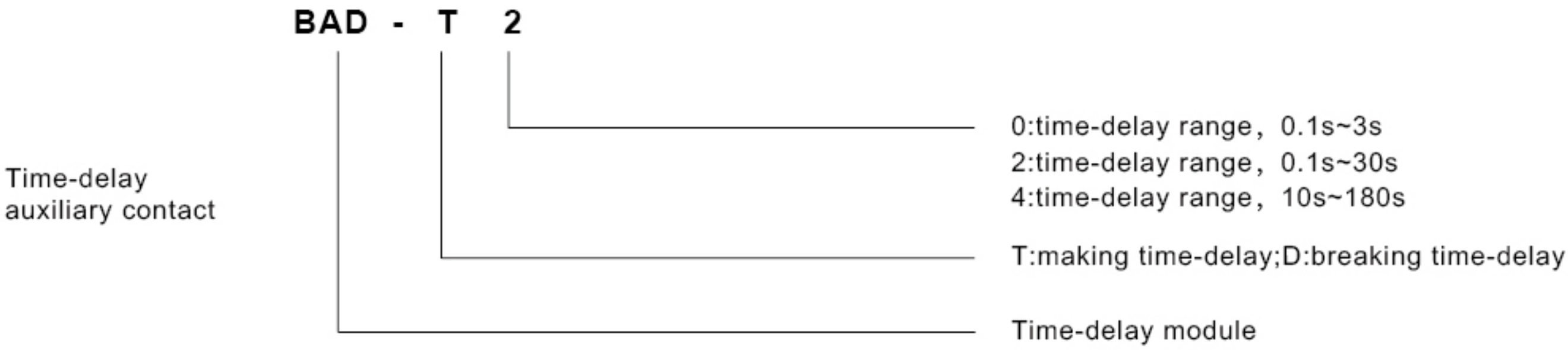
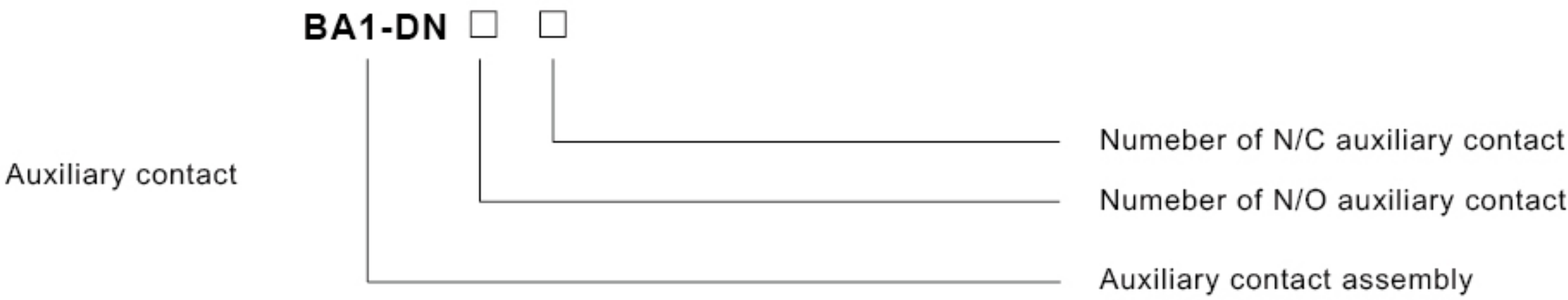
lead rail (120mm)



6.Accessories

Auxiliary contact group

Items		Model	BC1D-09	BC1D-12	BC1D-18	BC1D-25	
AC coil	Coil power	Start-up (VA)	70	70	70	110	
		Holding (VA)	8	8	8	11	
		Power (W)	1.8~2.7	1.8~2.7	1.8~2.7	3~4	
	Operation range	Pick-up voltage	(85%~110%) Us				
		Drop-out voltage	(20%~75%) Us				
	Coil voltage (50Hz,60Hz,50/60Hz)(V)		24,36,48,110,127,220,240,380,415,440,480,500,600,660				



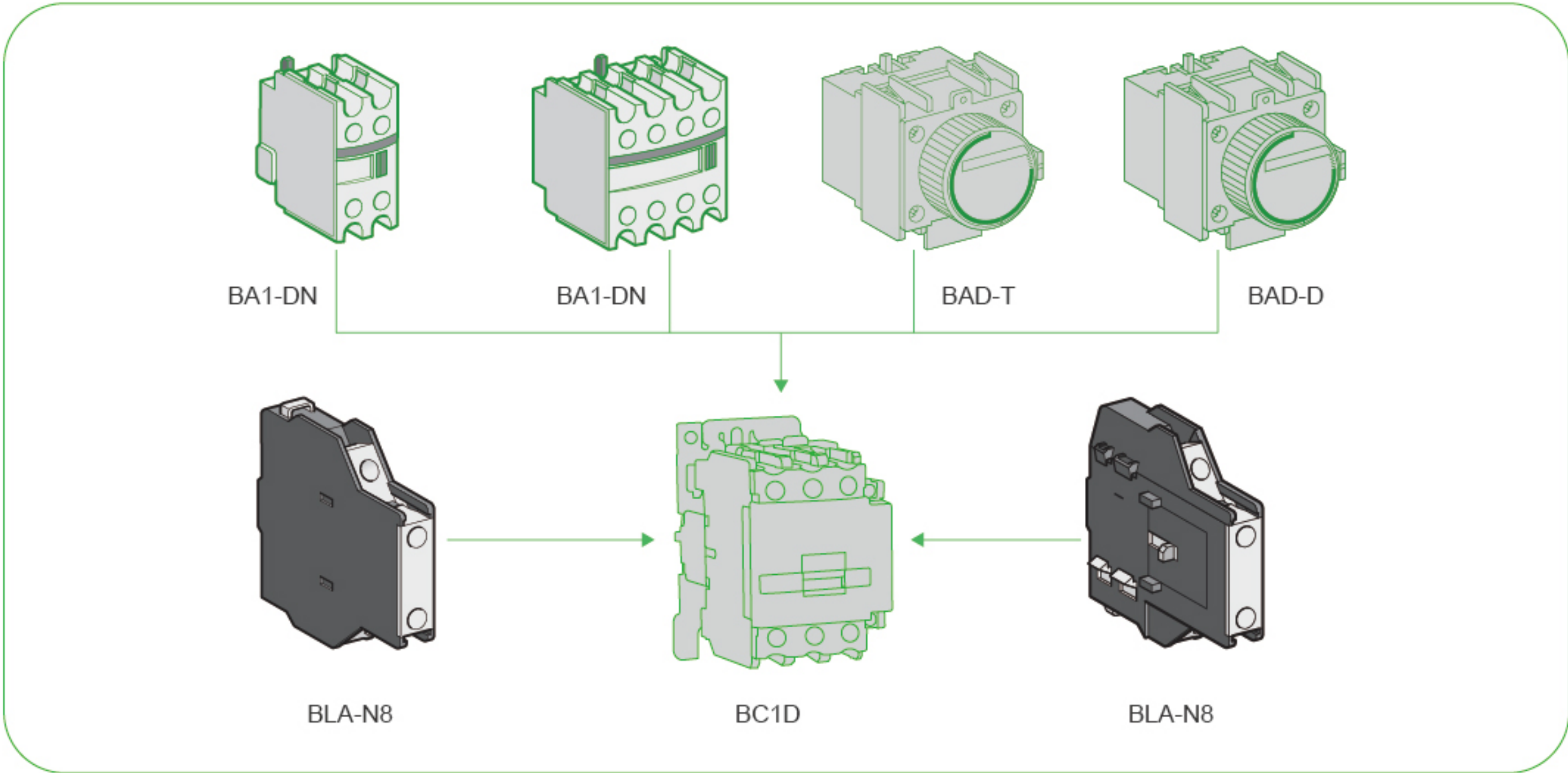
BC1D-32	BC1D-38	BC1D-40	BC1D-50	BC1D-65	BC1D-80	BC1D-95
110	110	200	200	200	200	200
11	11	20	20	20	20	20
3~4	3~4	6~10	6~10	6~10	6~10	6~10

(85%~110%) Us

(20%~75%) Us

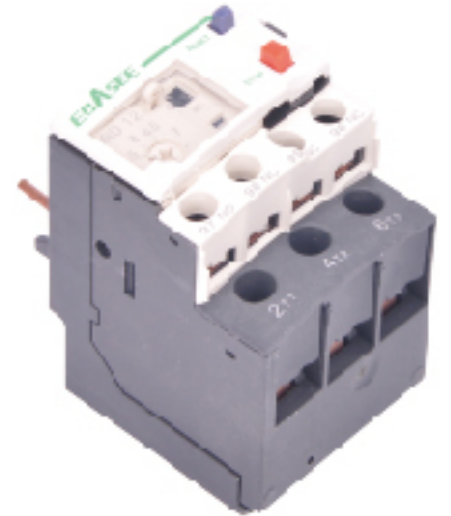
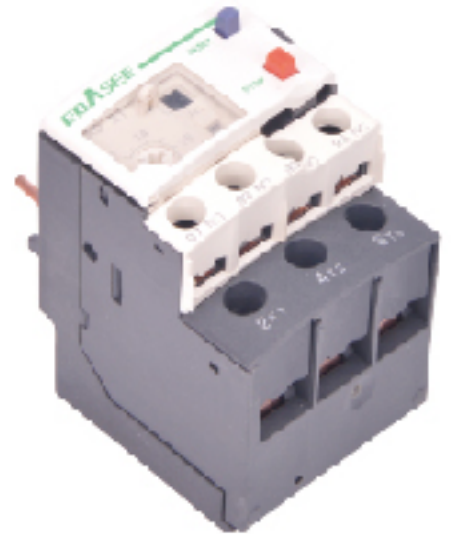
24,36,48,110,127,220,240,380,415,440,480,500,600

Model	Configuration of contacts		Picture
	Number of N/O contact	Number of N/C contact	
BA1-DN-20	2	0	
BA1-DN-11	1	1	
BA1-DN-02	0	2	
BA1-DN-40	4	0	
BA1-DN-31	3	1	
BA1-DN-22	2	2	
BA1-DN-13	1	3	
BA1-DN-04	0	4	
Model	Time-delay range	Number of time-delay contacts	Picture
BAD-T0	0.1s~3s	N/O+N/C	
BAD-T2	0.1s~30s	N/O+N/C	
BAD-T4	10s~180s	N/O+N/C	
BAD-D0	0.1s~3s	N/O+N/C	
BAD-D2	0.1s~30s	N/O+N/C	
BAD-D4	10s~180s	N/O+N/C	



Assembly with thermal over-load relay

Model of contactor BC1D	Assembled thermal over-load relay	
	Model	Rated current (A)
09~38	BRD-01	0.1~0.16
09~38	BRD-02	0.16~0.25
09~38	BRD-03	0.25~0.4
09~38	BRD-04	0.4~0.63
	BRD-05	0.63~1
09~38	BRD-06	1~1.6
09~38	BRD-07	1.6~2.5
09~38	BRD-08	2.5~4
09~38	BRD-10	4~6
09~38	BRD-12	5.5~8
09~38	BRD-14	7~10
12~38	BRD-16	9~13
18~38	BRD-21	12~18
25~38	BRD-22	16~24
25~38	BRD-32	23~32
32~38	BRD-35	30~38
40~95	BRD-3322	17~25
40~95	BRD-3353	23~32
40~95	BRD-3355	30~40
40~95	BRD-3357	37~50
50~95	BRD-3359	48~65
50~95	BRD-3361	55~70
65~95	BRD-3363	63~80
80~95	BRD-3365	80~104



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 BC1D 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 BC1D-2510P7 1000pcs.