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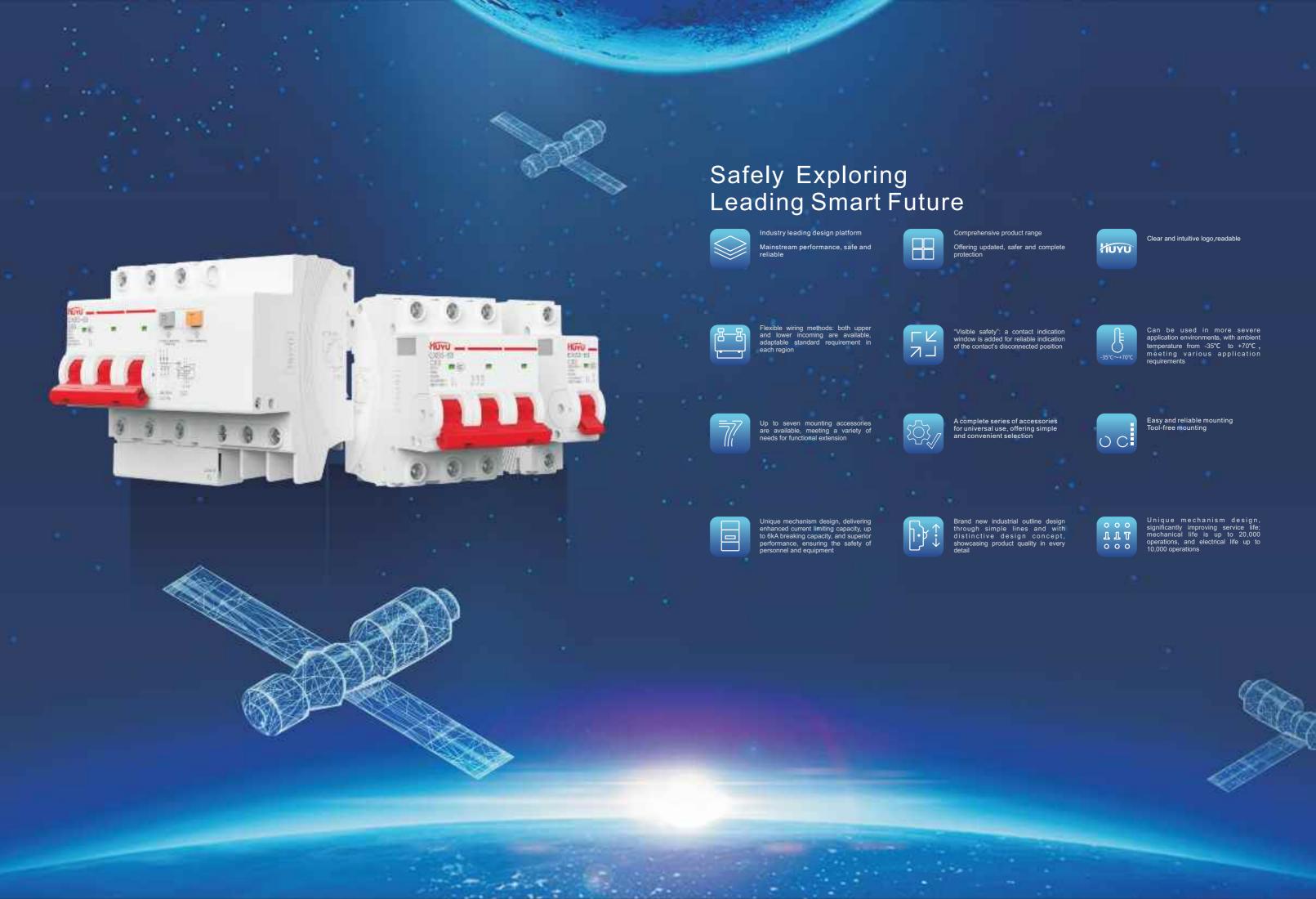


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Product Description Product data

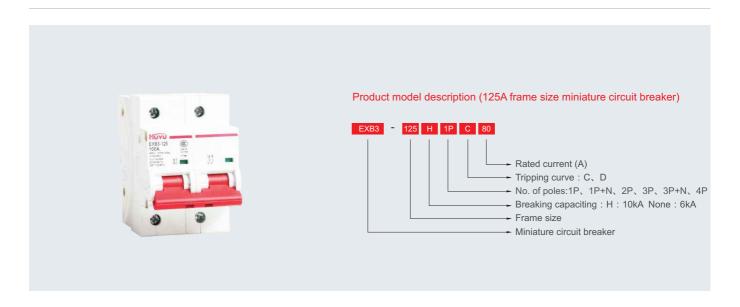
EXB3-125	EXB3LY-63	EXB3LE-63

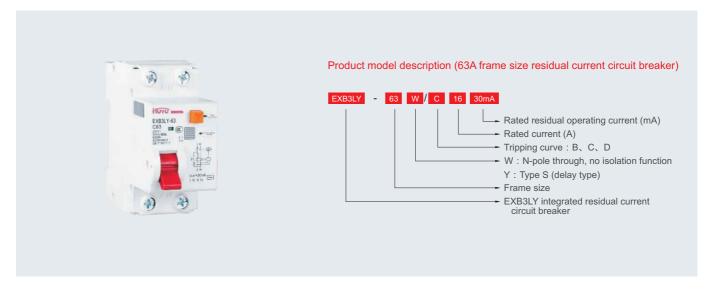
# # # # # # # # # # # # # # # # # # #		3 (A A
GB/T 14048.2、IEC 60947-2	GB/T 16917.1、IEC61009-1	GB/T 16917.1、IEC61009-1
1P、1P+N、2P、3P、3P+N、4P	1P+N	1P+N、2P、3P、3P+N、4P
63 ~ 125	6~63	6~63
AC230 (1P、1P+N)	AC230V	AC220/230/240 (1P+N、2P)
AC400 (2P、3P、3P+N、4P)		AC380/400/415 (3P、3P+N、4P)
50/60	50/60	50/60
-	Type AC	Type AC
-	30、50	30、50、75、100、150、200、300
6000、10000 (Type H)	6000	6000
6000、7500(Type H)	6000	6000
-	-	_
_	_	_
2		,
6	4	4
(power frequency 1min) 2000	(power frequency 1min) 2000	(power frequency 1min) 2000
20000	20000	20000
6000 (In≤100A) , 4000 (In > 100A)	10000	10000
		•
	•	•
	•	•
•		
•		
28 periodic cycles ,		
	28 periodic cycles ,	28 periodic cycles ,
RH: 90-96% at 55°C	RH: 90-96% at 55°C	28 periodic cycles , RH: 90-96% at 55°C
RH: 90-96% at 55°C	RH: 90-96% at 55°C	RH: 90-96% at 55°C
RH: 90-96% at 55°C RH: 95-100% at 25°C	RH: 90-96% at 55°C RH: 95-100% at 25°C	RH: 90-96% at 55°C RH: 95-100% at 25°C
RH: 90-96% at 55°C RH: 95-100% at 25°C 30	RH: 90-96% at 55°C RH: 95-100% at 25°C 30	RH: 90-96% at 55°C RH: 95-100% at 25°C 30
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35~+70	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35~+70	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35~+70
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter TH35-7.5 standard rail mounting	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter TH35-7.5 standard rail mounting 3	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter TH35-7.5 standard rail mounting 3 IP20	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 <2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 <2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter TH35-7.5 standard rail mounting 3 IP20 IP40 OF auxiliary contact SD alarm contact	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter TH35-7.5 standard rail mounting 3 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter TH35-7.5 standard rail mounting 3 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release MN under-voltage release	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release MN under-voltage release	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release MN under-voltage release
RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 50 3.5 Top or bottom enter TH35-7.5 standard rail mounting 3 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release	RH: 90-96% at 55°C RH: 95-100% at 25°C 30 -35 ~ +70 -35 ~ +85 ≤2000m 25 2 Top-in,Bottom-out TH35-7.5 standard rail mounting 2 IP20 IP40 OF auxiliary contact SD alarm contact MX+OF shunt release

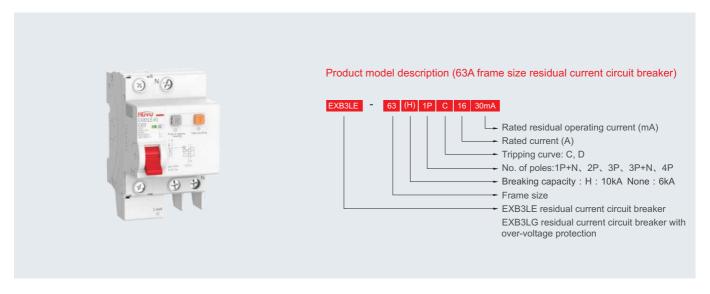


Product Description

Product description and selection









EXB3LE-63 Residual Current Circuit Breaker with Overcurrent Protection

Functions and Features

In accordance with GB/T 16917.1 and IEC 61009-1

The EXB3LE-63 (H) residual current circuit breakers functions:

- Overload protection
- Short-circuit protection
- Isolation function
- Earth leakage current production

Technical data

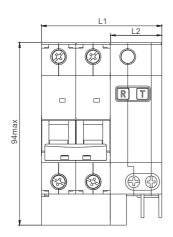


Product model	EXB3LY-63
No. of poles	See Table 1
Rated current	6A、10A、16A、20A、25A、32A、40A、50A、63A
Rated voltage	AC220V/230V/240V (1P+N、2P) , AC380V/400V/415V (3P、3P+N、4P)
Rated operating frequency	50Hz/60Hz
Rated impulse withstand voltage	4kV
Breaking capacity	See Table 1
Rated residual operated current	30mA、50mA、75mA、100mA、300mA(only 30mA for DZ47NLG)
Instantaneous tripping type	See Table 1
Over-voltage protection range	See Table 1
Mechanical life(times)	20000
Electrical life(times)	10000
Residual current type	See Table 1

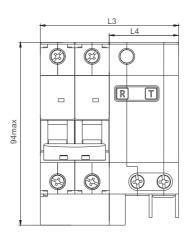
Table 1

Product model	No. of poles	Breaking capacity Icn	Breaking capacity Ics	Over-voltage protection range	Instantaneous tripping type	Residual current type
EXB3LE-63	1P+N、2P、3P、3P+N、4P	6000A	6000A	-	B, C, D	Tuna AC
EXB3LE-63H	1P+N、2P、3P、3P+N、4P	10000A	7500A	-	В, С, D	Type AC
EXB3LG-63	1P+N、2P	6000A	6000A	(280±5%)V	С	Type AC

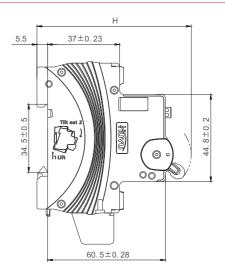
Outlines and dimensions



32A and below



40A and above



Rated current	Width	1P+N	2P	3P	3P+N	4P
≤32	L1(mm)	45 0.1.0	63 .1.2	90 -1.4	99 -1.4	117 0.1.6
€32	L2(mm)	27 -0.8	27 0.6	36 -0.8	45 0.8	45 0.8
40、50、63	L3(mm)	54 0.1.0	72 -1.2	103.5 -1.4	117 0-1.4	135 %
40, 50, 63	L4(mm)	36 .0.6	36 ° .0.6	49.5 0.8	63 0.8	63 ⁰ -0.6
	H(mm)	78 -1.0	80 -1.0	80 -1.0	80 0-1.0	80 -1.0



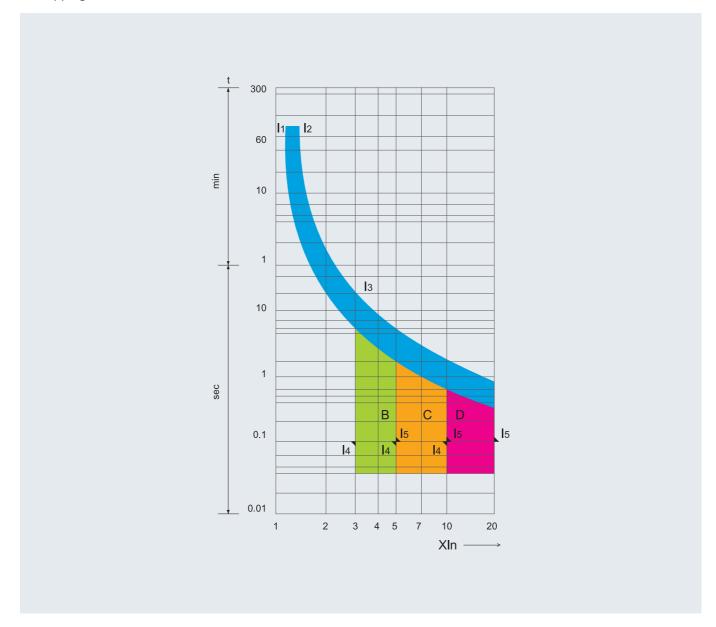
Accessories Tripping characteristics

Tripping characteristics

Tripping characteristics of EXB3-63, EXB3LY-63, and EXB3LE-63

Release type		В С		D	Start state	Tripping time	Expected outcome
Thermal tripping	l ₁		1.13ln		Cold state	t≤ 1h	No tripping
Thermal tripping	12	1.45ln			Following the above test	t < 1h	Tripping
Magnetic tripping	14	3ln	5ln	10In	Cold state	t≤ 0.1s	No tripping
Magnetic tripping	15	5ln	10ln	20In	Cold state	t < 0.1s	Tripping

• Tripping characteristic curve





Accessories

Temperature correction table

Temperature correction table

• Temperature correction table of EXB3LY-63

Data dament A					ı	Rated current co	rrection value A				
Rated current A	-35°C	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C
6	8.7	8.4	7.8	7.38	6.9	6.48	6	5.88	5.76	5.58	5.46
10	12.7	12.4	11.9	11.3	10.8	10.4	10	9.8	9.5	9.2	8.9
16	20.32	19.84	19.04	18.08	17.28	16.64	16	15.68	15.2	14.72	14.24
20	25.4	24.8	23.8	22.6	21.6	20.8	20	19.6	19	18.4	17.8
25	31.75	31	29.75	28.25	27	26	25	24.5	23.75	23	22.25
32	40.64	39.68	38.08	36.16	34.56	33.28	32	31.04	29.44	28.48	27.84
40	50.8	49.6	47.6	45.2	43.2	41.6	40	38.8	36.8	35.6	34.8
50	63	62.5	59	56.5	54	51.5	50	47.5	45	43	42
63	79.38	78.75	74.34	71.19	68.04	64.89	63	59.85	56.7	54.18	52.92

Temperature correction table of EXB3LE-63

Date d accurant A						Rated current co	rrection value A				
Rated current A	-35°C	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C
6	8.7	8.4	7.8	7.38	6.9	6.48	6	5.88	5.76	5.58	5.46
10	12.7	12.4	11.9	11.3	10.8	10.4	10	9.8	9.5	9.2	8.9
16	20.32	19.84	19.04	18.08	17.28	16.64	16	15.68	15.2	14.72	14.24
20	25.4	24.8	23.8	22.6	21.6	20.8	20	19.6	19	18.4	17.8
25	31.75	31	29.75	28.25	27	26	25	24.5	23.75	23	22.25
32	40.64	39.68	38.08	36.16	34.56	33.28	32	31.04	29.44	28.48	27.84
40	50.8	49.6	47.6	45.2	43.2	41.6	40	38.8	36.8	35.6	34.8
50	63	62.5	59	56.5	54	51.5	50	47.5	45	43	42
63	79.38	78.75	74.34	71.19	68.04	64.89	63	59.85	56.7	54.18	52.92

• Temperature correction table of EXB3LE-63H

Rated current A	Rated current correction value A											
Rateu current A	-35°C	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C	
6	1.45	1.4	1.3	1.23	1.15	1.08	1	0.98	0.96	0.93	0.91	
10-25	1.27	1.24	1.19	1.13	1.08	1.04	1	0.98	0.95	0.92	0.89	
32-40	1.27	1.24	1.19	1.13	1.08	1.04	1	0.97	0.92	0.89	0.87	
50-63	1.26	1.25	1.18	1.13	1.08	1.03	1	0.95	0.9	0.86	0.84	

Temperature correction table of EXB3LE-125

Rated current A		Rated current correction value A											
	-35°C	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C		
63	78.6	76.3	73.8	71.3	68.6	65.9	63	60	56.8	53.5	49.9		
80	98.4	95.6	92.7	89.7	86.6	83.4	80	76.5	72.8	69	64.9		
100	124.5	120.7	116.9	112.9	108.8	104.5	100	95.3	90.4	85.2	79.6		
125	157	152.2	147.1	141.9	136.5	130.9	125	118.8	112.3	105.4	98		