



LEGRAND VIETNAM

Main Office in Ho Chi Minh
Central Garden Tower, 7th Floor,
328 Vo Van Kiet street, Co Giang ward,
District 1, Ho Chi Minh city

Office in Ha Noi
PRIMA Building, 9th Floor,
22 Mai Anh Tuan street, O Cho Dua ward,
Dong Da district, Ha Noi city

CATALOGUE

RXE MCB & RCBO



#legrandImprovingLives



RXE

MCB & RCBO

PRODUCT OVERVIEW



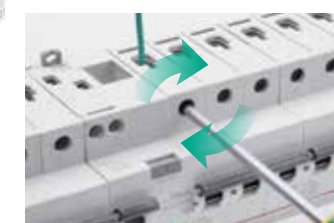
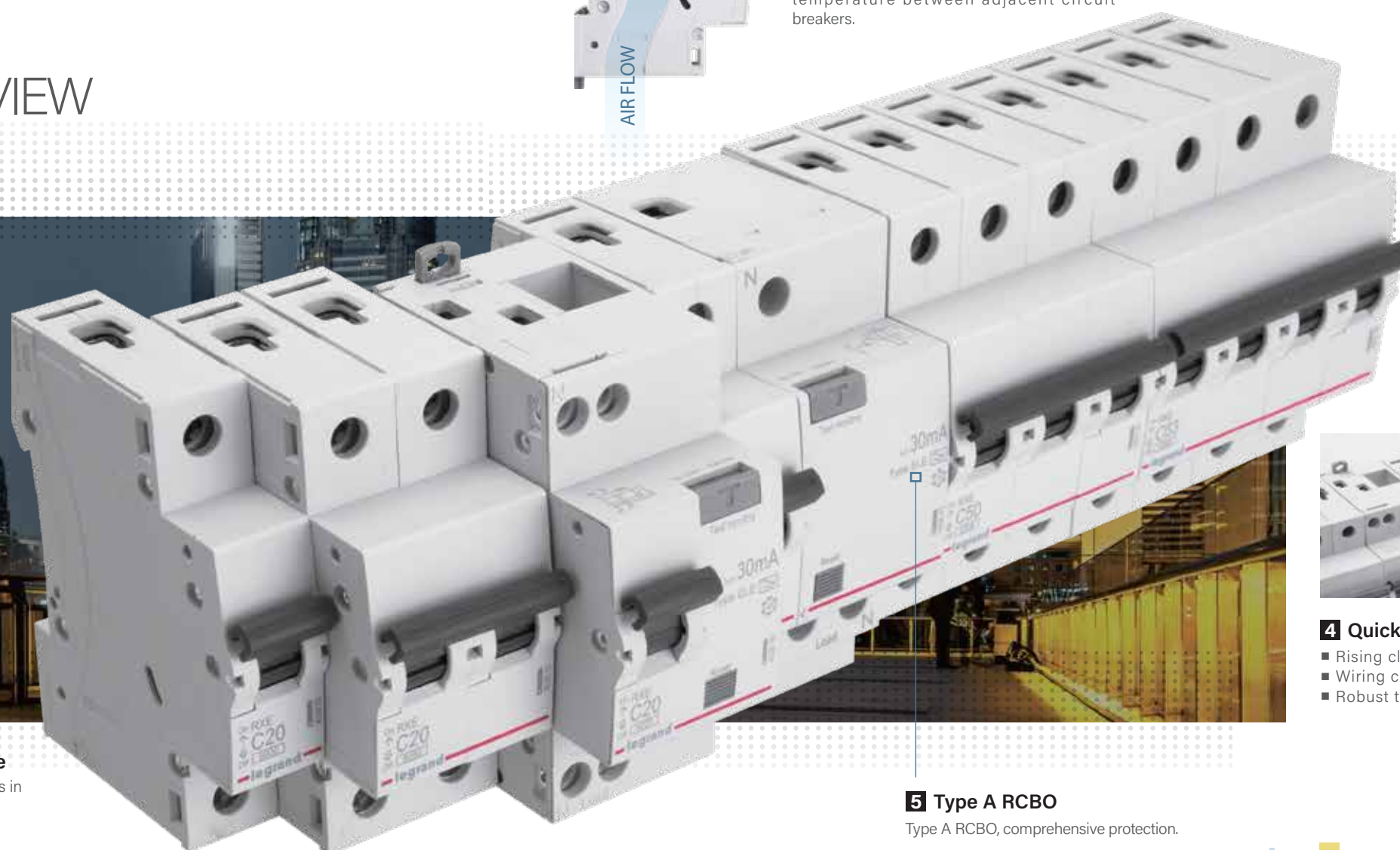
1 Simple and visible signage

- Clear information even if the handle is in low position;
- Concise, clear and firm printing.



3 S-shape airflow

This special airflow permits proper heat dissipation and can effectively reduce the temperature between adjacent circuit breakers.



4 Quick and easy wiring

- Rising clamp terminals;
- Wiring capacity up to 35mm²;
- Robust terminals.

5 Type A RCBO

Type A RCBO, comprehensive protection.

Guaranteed security

Mechanical endurance
10,000 ^①
Usage temperature
-25°C~70°C ^①

RXE can meet the needs of residential and small commercial projects. RXE provides overload protection, short-circuit protection, and residual current protection to bring to the users comprehensive and safe electrical installations.



2 Smooth operation and maintenance

Convenient and efficient installation, removal and maintenance thanks to bistable clamps fixed on the DIN rail.



Standards:
IEC 60898-1
IEC 61009-1

The production plant complies:
■ ISO 9001
■ ISO 14001

PRODUCT PARAMETER TABLE

CATALOGUE PAGE

MCB & RCBO

MCB

Product	RXE MCB 6-63A	RXE RCBO 6-40A	RXE RCBO 50-63A
Picture			
Standard	IEC 60898-1	IEC 61009-1	IEC 61009-1
Certification	CB	CB	CB
Poles	1P, 2P, 3P, 4P	1P+N	1P+N
(A)	6~63	6~40	50~63
Un(V)	1P: 230/400~ 2P-4P: 400~	240~	240~
Umin(V)	AC 24	AC 50	AC 50
Rated frequency(Hz)	50/60	50/60	50/60
Uimp(kV)	4	4	4
Icn(kA)	6	6	6
Polution degree	2	2	2
Curve	C	5-10 In	5-10 In
Rated residual current(mA)	-	30	30
Residual type	-	A	A
IΔm(A)	-	3000	3000
Endurance	Mechanical	10000	10000
	Electrical	4000	4000
IP degree	Only circuit breaker	IP20	IP20
	Assemble in consumer unit	IP40	IP40
Standard temperature	30℃	30℃	30℃
Wire connection	Flexible	25mm²	25mm²
	Hard	35mm²	35mm²
Maximum torque	3N.m	2.8N.m	3N.m
Incoming line	up or down	up	up

RXE / MCB
6 to 63A



Compatible with prong-type supply busbars
Breaking capacity: Icn: 6000A
Conform to IEC 60898-1
Do not accept auxiliaries

Pack	Cat.Nos	Curve and rated current In (A)	Numbers of modules (18mm)	Number of poles
		230/400V~		
12	4 038 00	C6	1	1P
12	4 038 01	C10	1	1P
12	4 038 02	C16	1	1P
12	4 038 03	C20	1	1P
12	4 038 04	C25	1	1P
12	4 038 05	C32	1	1P
12	4 038 06	C40	1	1P
12	4 038 07	C50	1	1P
12	4 038 08	C63	1	1P
		400V~		
6	4 038 09	C6	2	2P
6	4 038 10	C10	2	2P
6	4 038 11	C16	2	2P
6	4 038 12	C20	2	2P
6	4 038 13	C25	2	2P
6	4 038 14	C32	2	2P
6	4 038 15	C40	2	2P
6	4 038 16	C50	2	2P
6	4 038 17	C63	2	2P

Compatible with prong-type supply busbars
Breaking capacity: Icn: 6000A
Conform to IEC 60898-1
Do not accept auxiliaries

Pack	Cat.Nos	Curve and rated current In (A)	Numbers of modules (18mm)	Number of poles
		400V~		
4	4 038 18	C6	3	3P
4	4 038 19	C10	3	3P
4	4 038 20	C16	3	3P
4	4 038 21	C20	3	3P
4	4 038 22	C25	3	3P
4	4 038 23	C32	3	3P
4	4 038 24	C40	3	3P
4	4 038 25	C50	3	3P
4	4 038 26	C63	3	3P
		400V~		
3	4 038 27	C6	4	4P
3	4 038 28	C10	4	4P
3	4 038 29	C16	4	4P
3	4 038 30	C20	4	4P
3	4 038 31	C25	4	4P
3	4 038 32	C32	4	4P
3	4 038 33	C40	4	4P
3	4 038 34	C50	4	4P
3	4 038 35	C63	4	4P

RXE / RCBO
6 to 40A



Compatible with prong-type supply busbars
Breaking capacity: Icn: 6000A
Conform to IEC 61009-1
Sensitivity: 30mA
A type RCBO: detect AC and DC component faults

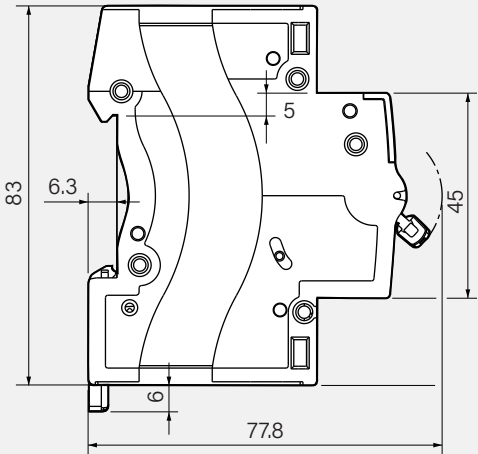
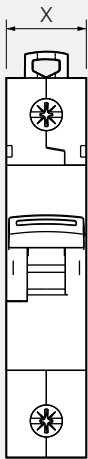
Pack	Cat.Nos	Curve and rated current In (A)	Numbers of modules (18mm)	Number of poles
		240V~		
6	4 038 36	C6	2	2 (1P+N)
6	4 038 37	C10	2	2 (1P+N)
6	4 038 38	C16	2	2 (1P+N)
6	4 038 39	C20	2	2 (1P+N)
6	4 038 40	C25	2	2 (1P+N)
6	4 038 41	C32	2	2 (1P+N)
6	4 038 42	C40	2	2 (1P+N)

RXE / RCBO
50 to 63A

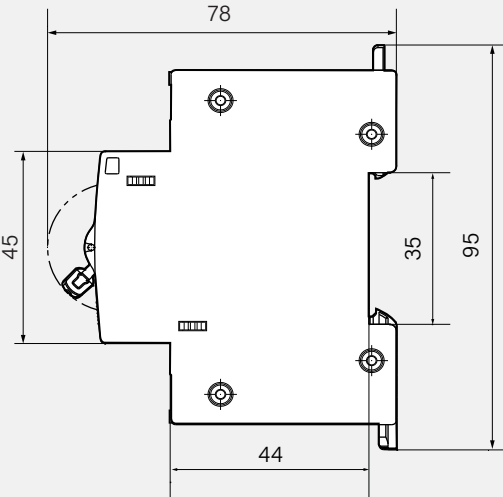
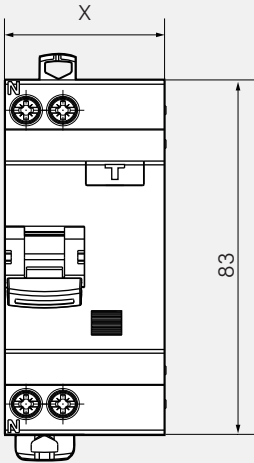


Compatible with prong-type supply busbars
Breaking capacity: Icn: 6000A
Conform to IEC 61009-1
Sensitivity: 30mA
A type RCBO: detect AC and DC component faults
Phase N without isolation function

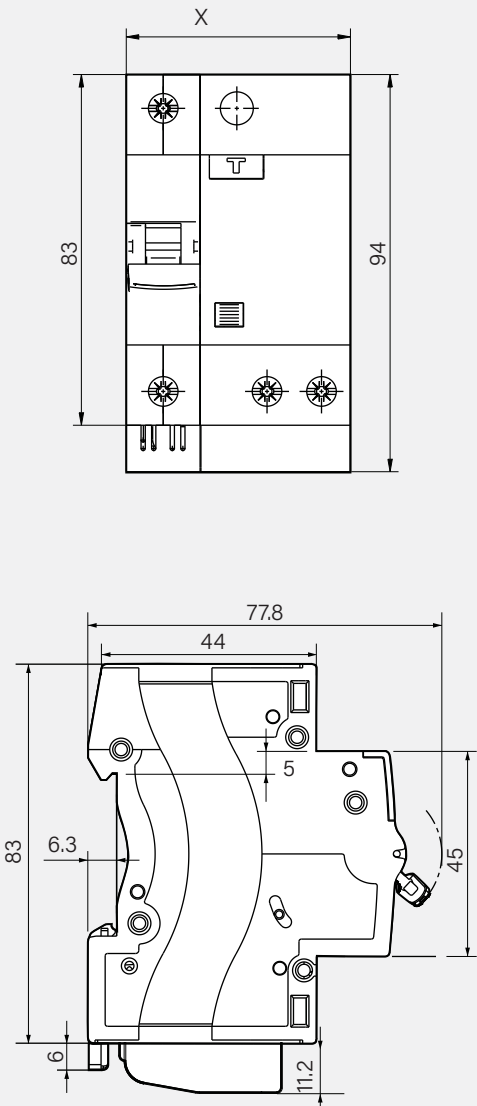
Pack	Cat.Nos	Curve and rated current In (A)	Numbers of modules (18mm)	Number of poles
		240V~		
4	4 038 43	C50	3	3 (1P+N)
4	4 038 44	C63	3	3 (1P+N)



Poles	X
1P	17.8 mm
2P	35.6 mm
3P	53.4 mm
4P	71.2 mm

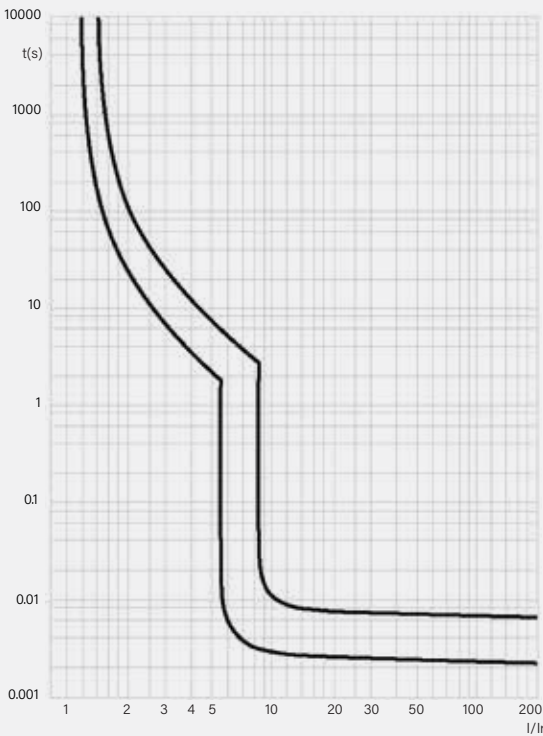


Poles	X
1P+N	35.6 mm



Poles	X
1P+N	53.4 mm

C Curve



The effect of ambient temperature on the product

RXE RCBO 6-63A

Ambient temperature/current										
In(A)	-25℃	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	60℃	70℃
6	7.5	7.2	6.9	6.6	6.3	6	5.7	5.4	5.1	4.8
10	12.5	12	11.5	11	10.5	10	9.5	9	8.5	8
16	20	19.2	18.4	17.6	16.8	16	15.2	14.4	13.6	12.8
20	25	24	23	22	21	20	19	18	17	16
25	31.3	30	28.7	27.5	26.2	25	23.7	22.5	21.2	20
32	40	38.4	36.8	35.2	33.6	32	30.4	28.8	27.2	25.6
40	50	48	46	44	42	40	38	36	34	32
50	64	60	57.5	55	52.5	50	47.5	45	42.5	40
63	80.6	75.6	72.5	69.6	66.1	63	59.8	56.1	52.9	49.7

Note: Standard temperature: 30℃。

RXE MCB 6-63A

Ambient temperature/current										
In(A)	-25℃	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	60℃	70℃
6	7.5	7	6.6	6.4	6.2	6	5.8	5.6	5.4	5.2
10	12.5	11.5	11.1	10.7	10.3	10	9.7	9.3	9	8.7
16	20	18.7	18	17.3	16.6	16	15.4	14.7	14.1	13.5
20	25	23.2	22.4	21.6	20.8	20	19.2	18.4	17.6	16.8
25	31.5	29.5	28.3	27.2	26	25	24	22.7	21.7	20.7
32	41	37.8	36.5	34.9	33.3	32	30.7	29.1	27.8	26.5
40	51	48	46	44	42	40	38	36	34	32
50	64	60	57.5	55	52.5	50	47.5	45	42.5	40
63	80.6	75.6	72.5	69.9	66.1	63	59.8	56.1	52.9	50.4

Note: Standard temperature: 30℃。

Derating factor when installing multiple products side by side

Number of parallel circuit breakers	Derating factor
2-3	0.9
4-5	0.8
6-9	0.7
≥10	0.6

INSTALLATION AND MAINTENANCE

MCB & RCBO

■ Terminal connection capacity

Terminal connection capacity (Maximum wire diameter)		
Connection	RXE RCBO 6-40A	RXE MCB 6-63A/RCBO 50-63A
Connection section (mm²)	10mm² Flexible cable	25mm² Flexible cable
	16mm² Connection section	35mm² Connection section

■ Dissipated power per pole at rated current

Dissipated power per pole at rated current (W)									
In	6A	10A	16A	20A	25A	32A	40A	50A	63A
1P-4P	1.1	1.8	2.2	2.4	3	3.2	4	4.5	5.5

Note: Applicable to RXE MCB series products.

RATED CURRENT	6A	1 0A	16A	20A	25A	32A	40A	50A	63A
Power (W) Phase pole	2.5	2.2	3.4	4.3	4.5	4.8	5.3	4.8	5.8
Power (W) Neutral pole	0.1	0.7	1.1	1.3	1.3	1.7	2.4	-	-

Note: Applicable to RXE RCBO series products.

■ The effect of altitude on products

RXE MCB 6-63A

Type \ Altitude	≤ 2000m	3000m	4000m
Dielectric strength	2500V	2200V	2000V
Maximum working voltage	400V	400V	400V
Current derating coefficient (30℃)	1	0.96	0.94

RXE RCBO 6-40A

Type \ Altitude	≤ 2000m	3000m	4000m
Dielectric strength	2000V	1750V	1500V
Maximum working voltage	240V	240V	240V
Current derating coefficient (30℃)	1	0.96	0.94

RXE RCBO 50-63A

Type \ Altitude	≤ 2000m	3000m	4000m
Dielectric strength	2500V	2200V	2000V
Maximum working voltage	240V	240V	240V
Current derating coefficient (30℃)	1	0.96	0.94

NOTES

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