



RCBO SERIES

earth leakage circuit breaker

instruction manual

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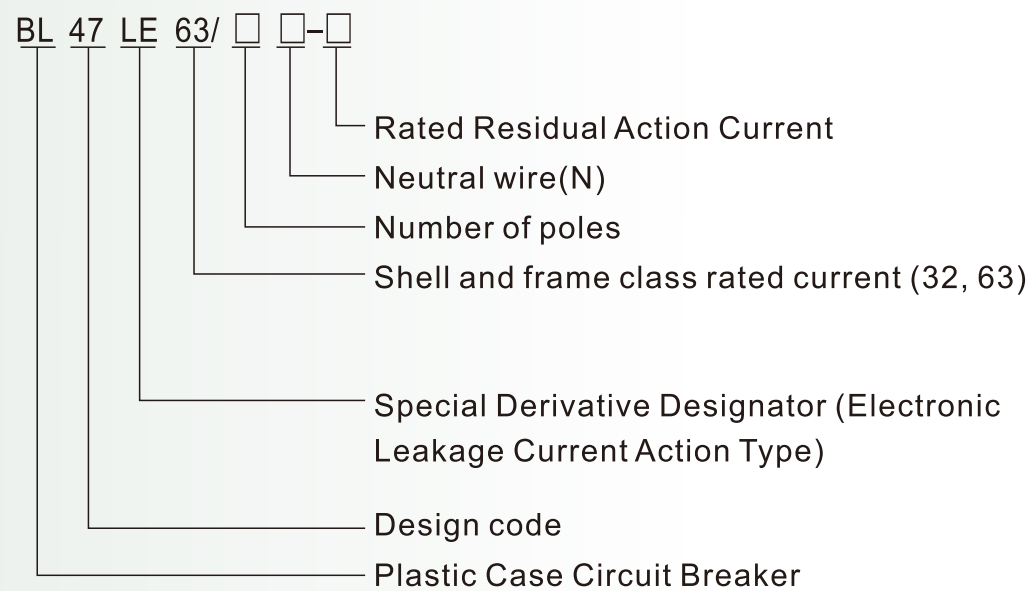
MCB,MCCB,RCBO,ACB,VCB,AC,SPD
RCCB,ATS,EV, DC, DB,GW

A / SCOPE OF APPLICATION

RCBO earth leakage circuit breaker is in AC 50Hz (or 60Hz) rated voltage for single-phase 230V, three-phase 230/400V and the following, rated current to 63A line, for leakage protection. When someone is electrocuted or the leakage current of the circuit exceeds the specified value, the leakage circuit breaker can automatically cut off the power supply within 0.1S to protect personal safety and prevent accidents caused by the leakage current of the equipment.

RCBO earth leakage circuit breaker has overload and short circuit protection function, can be used to protect the line overload and short circuit, can also be used under normal circumstances as the line of infrequent conversion.

B / MODEL NUMBER AND ITS MEANING



C / MAIN TECHNICAL INDICATORS

- 1、Conforms to the standard:GB16917.1 and IEC61009-1.
- 2、Main technical parameters (see table 1)

Table 1 Main technical parameters of circuit breaker

Shell frame grade	quantity P	add neutral wire	rated current In A	Rated Voltage V	Rated short-circuit capacity Icn mA	Rated residual action current IΔn mA		
BL47LE -32	1	N	1, 3 6, 10 16, 20 25, 32	230	6000 (Type D)	30 50 100		
	2			400	4000 (Type D)			
	3							
	3	N						
	4							
BL47LE -63	1	N	40, 50 63	230	4000 (Type C,D)			
	2			400				
	3							
	3	N						
	4							

Shell frame grade	quantity P	add neutral wire	Rated residual inoperative current IΔon A	IΔn Breaking time S	Residual switching and breaking capacity IΔm A	Type of overcurrent instantaneous release
BL47LE -32	1	N	15 25 50	<0.1	2000	C D
	2					
	3					D C
	3	N				
	4					
BL47LE -63	1	N				D C
	2					
	3					C
	3	N				
	4					

D / The protective characteristics of the overcurrent detent are shown in the table

Table 2 Protective characteristics of overcurrent detent

Overcurrent Instantaneous Buckler Type	Rated Current In A	Test Voltage V	Test time	start state	Environment temperature
C、D	≤63	1. 13In	≤ 1 hour without tripping	Cold state	30℃ ~ 35℃
C、D	≤63	1. 45In	<1h trip	Hot state	
C、D	≤32	2. 55In	1S<trip<60S	Cold state	
	≤32		1S<trip<120S	Cold state	
C	≤63	5. 0In	0.1s without tripping	Cold state	
D		10. 0In		Cold state	
C	≤63	10. 0In	0.1s without tripping	Cold state	
D		14. 0In		Cold state	

E / Overall dimensions and mounting dimensions

- 1、Products installed with TH35-7.5 mounting rail
- 2、Shape and installation dimensions (see figure, table)

model number	Overall dimensions				
	A	B	C	D	E
BL47LE-32/1N	45	70	40	45	90
BL47LE-32/2	63	70	40	45	90
BL47LE-32/3	90	70	40	45	90
BL47LE-32/3N	99	70	40	45	90
BL47LE-32/4	117	70	40	45	90
BL47LE-63/1N	54	70	40	45	90
BL47LE-63/2	72	70	40	45	90
BL47LE-63/3	104	70	40	45	90
BL47LE-63/3N	118	70	40	45	90
BL47LE-63/4	136	70	40	45	90

