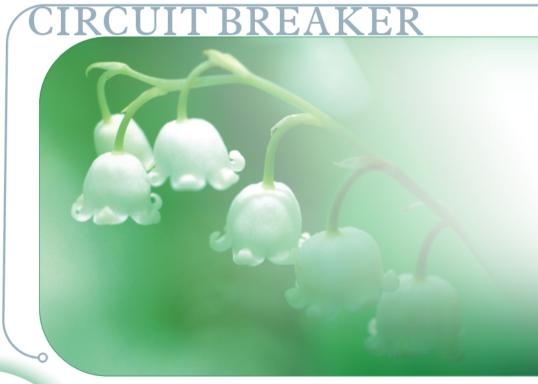


E RESIDUAL CURRENT







F362, ID RESIDUAL CURRENT CIRCUIT BREAKER

APPLICATION

F362 Residual Current Circuit Breaker without over current protection conforms to the standards of GB16916.1, IEC1008, BS4293 etc. It is used in the circuits of AC 50~60Hz, single phase 230V(220V), three phases 400V (380V) in industrial & mining enterprises, commercial buildings and housing for protection of personal electric shock hazard and electric equipment and for unfrequent switchover of circuits under normal conditions.

SPECIFICATION

	Type and specification		Rated voltage	Rated operating current	Residual operating current range	Rated condi- tional short circuit current	Mechanical life
F360	2 Poles	16A, 25A 32A, 40A 63A, 80A 100A	AC 230V	0.03A 0.1A 0.3A	0.5l△n~l△n	3000A to 6000A	10000
F300	4 Poles	16A, 25A 32A, 40A 63A, 80A 100A	AC400V	0.03A 0.1A 0.3A	0.5l△n~l△n	3000A to 6000A	10000

ID RESIDUAL CURRENT CIRCUIT BREAKER

SPECIFICATION

Type	width in mod. of 9mm	rat (A)	sens. (mA) 50Hz	cat.No CEE27 ID 240V	BS4293 RCCB 240V
2P	4	16	10	2101	23081
	+	25	10	23008	23082
		20	30	23009	23083
			300	23011	23086
		40	30	23014	23088
		70	100	23015	23000
			300	23016	23090
			500	23017	20000
		63	30	23018	23093
			100	20010	23094
			300	23021	23095
			300	23028	20000
			500	23022	
			500	23029	
		80	30	20020	23097
			100		23098
			100		23111
			300	23030	23100
			300	23032	20100
			500	23026	
			500	23033	
		100	30	20000	23101
		100	100		23102
			300	23034	23103
			300	23035	23116
4P	8	25	30	23038	23188
	Ť		300	23040	23121
		40	30	23042	23123
			100	15176	
			300	23045	23125
			300	23062	
			500	23046	
			500	23063	
		63	30	23047	23128
			100	15177	23129
			300	23049	23130
			300	23066	23146
			500	23067	
		80	300	23054	
			300	23069	
		100	300	23056	
			300	23059	





F362



F364



ID 2P



ID 4P

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APPLICATION

The Residual Current Device (RCD) NFIN is in conformity with the standards of IEC1008, VDE 0664, CEE27 and BS4293.

NFIN, FIN RESIDUAL CURRENT CIRCUIT BREAKER

It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

NFIN RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can used in circuits up to single phase 240V, three phases 415V, 50 or 60Hz.



NFIN 2P

SPECIFICATION

Туре	NFIN25	NFIN40	NFIN63	NFIN100
Rated current In (A)	25	40	63	100
Rated operating current for earth leakage I∆n(A)	0.03, 0.1, 0.3, 0.5 0.1, 0.3, 0.5		.3, 0.5	
Rated non-operating current for earth leakage I △n(A)	0.5l△n			
Voltage Un(∀)	240(220)V 415(380)V			380)∨
Pale		2	4	



NFIN 4P

MAIN TECHNICAL DATA

Operating time(second)	l∆n	2l∆n	0.25A(or 5I△n)
Operating time(second)	0.2	0.1	0.04
Limited value of non-operating current for			
balance load or unbalance load			
In minimum value of rated making and	In=25	In=40	In=63
breaking capacity	200	300	400
Rated conditional short circuit current Inc(A)	1500	2000	3000
Endurance(time)		4000	·



FIN 2P

FIN RESIDUAL CURRENT DEVICE

APPLICATION

The Residual Current Device(RCD) FIN is in conformity with the standards of VDE 0664, CEE27 and BS4293.

It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

FIN ELCB is mainly suitable for varieties of plants, enterprises, buildings, constructions, commerce, hotels and families. It can used in circuits up to single phase 240V, three phases 415V, 50 or 60Hz.



FIN 4P

• MAIN TECHNICAL DATA

Туре		FIN25	FIN40	FIN63	FIN100
Rated current In (A)		25	40	63	100
Rated operating current for earth leakage l△n(A)		0.03, 0.	1, 0.3, 0.5	0.1,	0.3, 0.5
Rated non-operating current for earth leakage l△n(A)			0.5	∆n	
Voltage Un(√)		240(220)V	415	5(380)V
Pole	2,4				
Operating time(second)		l∆n	2l△n	0.25	A(or 5l △n)
Operating time(second)		0.2		0.04	
Limited value of non-operating current for			21.5		
balance load or unbalance load			ZITI		
In minimum value of rated making and		In=25	In=40		In=63
breaking capacity		200	300		400
Rated conditional short circuit current Inc(A)	onditional short circuit current Inc(A) 1500 2000 30		3000		
Endurance(times)			4000		

MYL RESIDUAL CURRENT CIRCUIT BREAKER

DESCRIPTION

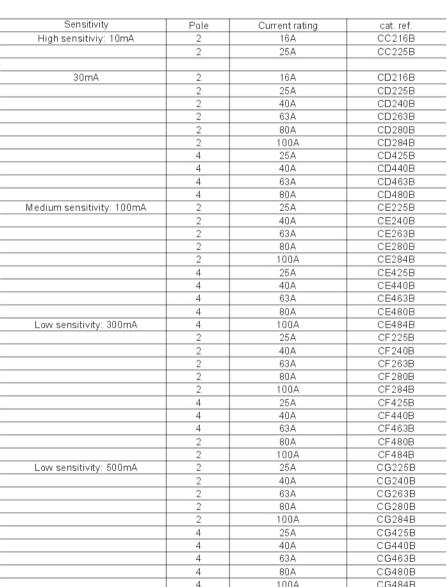
To open a circuit automatically in case of an earth leakage fault between phase and earth or neutral greater or equal to 10mA, 30mA, 100mA, 300mA or 500mA. It is used indomestic, commercial and industrial installations.

EARTH FAULT INDICATOR

Mechanical indicator appearing on the front face of the RCCB is to be differed between tripping and off position yellow-tripped.

NUISANCE TRIPPING

All the RCCBs are protected against transient voltages (lightening, line disturbance) and transient currents (from high capacitive circuits) DC sensitive RCCBs or time delay devices are available, please consult us you also have the possibility to install the following accessories: electrical cover kit, locking kit.





MYL 2P



MYL 4P



MYLD B5



CG484B Terminal cover kit: For RRCBs2 16 to 63A 10 sets CZ 0 0 5 (1 se-2 covers) 16 to 63A CZ 006 For RRCBs2 10 sets MYLD B5 For RRCBs2 80 to 100A 10 sets CZ007 80 to 100A For RRCBs2 10 sets CZ008

http://www.bluesegele.com E-03

F7, L7 RESIDUAL CURRENT CIRCUIT BREAKER

APPLICATION

The RCD is in conformity with the standards of IEC1008, GB16916 and BS EN61008

The RCD can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk, thus it is suitable to avoid the shock hazard and fire caused by earthleakage.

The RCD is mainly suitable for using in variety of plants and enterprises, building construction, commerce, guesthouses and families. It can be used in circuits up to single phase 230V, three phases 400V 50Hz or 60Hz, RCD is not suitable for using on DC pulse system.



F7L 2P

TECHNICAL DATA

- Standard: IEC61008, GB16916, EN61008
- Rated voltage (Un): 2 poles: 230V AC

4 poles: 400V AC

- Rated current (In): 16,25, 40, 63A
- Rated residual operating current (I△n): 30, 100, 300, 500mA
- Rated residual non-operating current (I△no): 0.5 I△n
- Residual current off-time: ≤0.1s
- Minimum value of rated making and breaking capacity (Im): 1KA
- Rated conditional short-circuit current (Inc): In=25, 40A Inc=1500A

In=63A Inc=3000A

 Endurance: on load: No less than 4000 cycles off load: No less than 20000 cycles



F7 4F

L7 RESIDUAL CURRENT DEVICE

• TECHNICAL DATA



L7 2P

ICE 1008 (EN 61008) Design according to Tripping time undelayed min.10 ms delav min.40 ms delay with selective disconnecting function Rated voltage 230/400V; 50Hz 10, 30, 100, 300, 500mA Rated tripping current Sensitivity AC and pulsating DC Rated short 10KA with 63A gL back-up fuse Circuit strength 10KA with 80A gL (F7-80 and -863) 6KA (rated current 63A) with 63A gL Maximum back-up fuse for 63A gL Short circuit protection 80A gL (F7-80 and -863) Maximum back-up fuse for 45A gL (F7-25 and -40A) 40A gL (F7-80A) Overload protection according to IEC 1008 Resistance to climatic conditions Degree of protection built-in switch IP 40 Electrical life. ≥4000 operating cycles Mechanical life ≥20000 operating cycles

TECHNICAL DATA





L7 4P

E-04 http://www.blueseaele.com

5SM RESIDUAL CURRENT CIRCUIT BREAKER

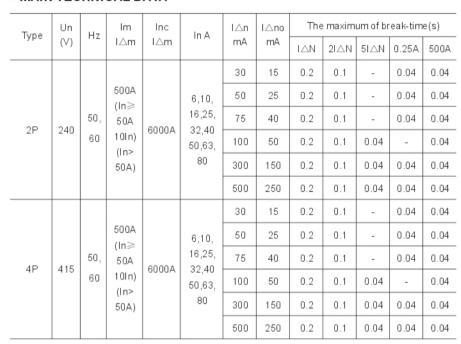
APPLICATION

Series 5SM1 earth leakage breakers apply to in AC circuit of frequency of 50 Hz, rated voltage up to 415V, rated current up to 80A. It is mainly used as an indirect contact protection fot human. It also can be used to prevent against the fire danger caused by earth falt current owing to equipment insulation damage. When the protective measures of the electric shock are out of work, the RCCB whose rated residual operating current less than 30mA can as the supplementary protection for in direct contact, but it can't be used as the sole direct contact protection.

PRODUCT FEATURES

- 1. Series 5SM1 Leakage Breakers are the protector for pure electromagnetic current operation.
- 2. The operation function is unrelated to circuit voltage, but operation is reliable.
- 3. It can be reliably operated on the loss of phase or neutral.
- 4. The capacity of resisting electromagnetic interference is strong.

MAIN TECHNICAL DATA

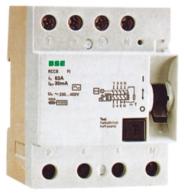




2P 40A

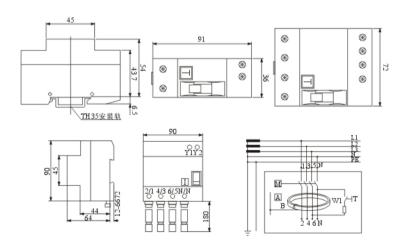


2P 63A



4P 63A

DIMENSION AND MOUNTING



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F1, C-F, BV-D RESIDUAL CURRENT CIRCUIT BREAKER

APPLICATION

The Residual Current Device (RCD)F1 is in conformity with the standards of IEC1008,VDE 0664, CEE27 and BS4293.

It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line, thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

F1 RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can be used in circuit up to single phase 240V, three phases 415V, 50 or 60Hz.



F1-4P

BV-D RESIDUAL CURRENT DEVICE

TECHNICAL DATA



C-F

Design according to	ICE 61008 (EN 61008)
Tripping time	undelayed
	min.10 ms delay
	min .40 ms delay
	with selective disconnecting function
Rated voltage	230/400V; 50Hz
Rated tripping current	10, 30, 100, 300, 500mA
Sensitivity	AC and pulsating DC
Rated short	10KA with 63A gL back-up fuse
Circuit strength	10KA with 80A gL (F7-80 and -863)
	6KA (rated current 63A) with 63A gL
Maximum back-up fuse for	63A gL
Short circuit protection	80A gL (F7-80 and -863)
Maximum back-up fuse for	45A gL (F7-25 and -40A)
Overload protection	40A gL (F7-80A)
Resistance to climatic conditions	according to IEC 1008
Degree of protection	built-in switch IP 40
Electrical life.	≥4000 operating cycles
Mechanical life.	≥20000 operating cycles



BV-D 2P

TECHNICAL DATA



BV-D 4P

Frame size	45mm
Socket size	80mm
Device width	35mm (2mod.), 70mm (4mod.)
Mounting	quick fastening with 2 lock-in
	Positions on DIN rail En50022
Upper and lower terminals	open mouthed lift terminals
Terminal protection	finger and hand touch safe,
	VBG 5, OVE-EN 6
Terminal capacity	1 25mm2
Busbar thickness	0.8 - 2mm



AJR, PG EARTH LEAKAGE CIRCUIT BREAKER

APPLICATION

The AJR residual current deveces provices the functions of isolation, switching and earth leakage protection of electrical circuits.

They have a residual current operated electrome chanical release which operates without any auxiliary source of supply to open a circuit automatically in the case of an earth leakage fault between phase and earth greater than or equal to a thresh-old of 10mA, 30mA, 100mA, 300mA or 500mA.



Compliance with standard BS4293; 1983 or CEE27;

Current rated: 16A to 100A;

2 poles: 240V

minimum voltage: 102V AC, maximum voltage: 264V AC,

4 poles: 415V

minimum voltage(ph/N): 102V AC; maximum voltage(ph/N): 415V AC,



AJR-2P

AJR-4P

• THE RESIDUAL EQUAL TO THE BREAKING TIME IN CASE OF UNDER LINE VALUE

In(A)	I△n(A)	I∆n(A)	2I△n(A)	5l△n(A)	500
25, 40, 63	0.03, 0.1, 0.3	0.3	0.15	0.04	0.04 Max. breaking time

• MECHNICAL AND ELECTRICAL LIFE

In(A)	Running operation cycles On operation cycles	OFF operation cycles	Operation frequency (times/hour)
25	4500	10000	240
40,63	4500	10000	120

PG230 PG430 EARTH LEAKAGE CIRCUIT BREAKER

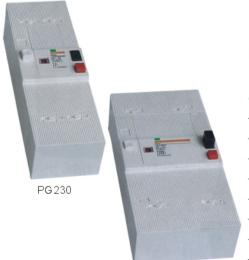
APPLICATION

PG230 & PG430 earth leagkage circuit breakers, the rated current is adjustable form10A up to 60A. User can select suitable current for better protection against overload and short circuit. The products comply with NFC1450.

SPECIFICATIONS

Туре	PG230	PG430		
Poles	2P	4P		
Rated voltage (V)	250V	/440V		
Rated current (A)	10, 15, 20, 30, 45, 50, 60A Ajustable			
Leakage motion current (mA)	300mA, 500mA	300mA, 500mA		
Leakage dead current (mA)	150mA, 250mA	150mA, 250mA		
Standard	NFC (61450		





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BP SERIES SURGING PROTECTOR

APPLICATION

BP surging protector (hereinafter referred to as protector) is up to the standard of IEC 61643. It is mainly applied to limiting amplitude value of transion overvoltage, absorbing, consuming, discharging surging current energy in the electric wiring of AC 50Hz or 60Hz, rated working voltage 230V, surging through flow capacity not more than 50A. It is used in the occasion of higher type of overvoltage which can make the protected electreical component transfer from one type of overvoltage to another lower type of overvoltage. It is adapted for composing combined electrical equipment with other module terminal electrical equipment so that it can increase installation types and expand range of use, or further step down overvoltage on using terminals to protect TV set, hi-fi sound and such kinds of electrical appliances or the facilities like computer, microcomputer.

Protector applies to power utilization for household and the similar places, facilities for in putting circuit in the thunder direct stroke or protecting from the damage of the surging current caused by outdoor arrester.



BP 1P

• TECHNICAL PARAMETER

	class B	class C	class D
Reaction timer (tr)	<100ns	<25ns	<25ns
Protection voltage level (Up)	<4KV	<1.3KV	<1KV
Max persistent working voltage (Ue)	275 VAC	275 VAC	275 VAC
Norminal discharge current (In)	25KA (10/350) µ s	10KA,1.5KA (8/20) μ s	2.5KA,5KA (8/20) µ s
Max discharge current (Imax)	50KA (8/80) μ s	30KA,40KA (8/20)μs	5KA ,10KA (8/20) μ s
Max reserve protection fuse	250A gl	125A gl	63A gI
Short circuit tolerance	10KA	10KA	10KA
Working ambient temperature range	-40℃~70℃	-40℃~70℃	-40℃~70℃
Class of protection	IP40	IP40	IP40



BP 2P