



DZ47-63 1P



DZ47-63 2P



DZ47-63 3P



DZ47-63 4P

Application

DZ47-63 is applicable to a line of AC 50/60Hz, 230V in single pole, 400V in double, three, four poles for protecting overload and short circuit, and rated current up to 63A. It can also be used for infrequent line conversion under the normal condition. The breaker is applicable to lighting distribution system in industrial enterprise, commercially district, high-rise building and dwelling house. It conforms with the standards of IEC60898.

Main Technical Parameter

Item	DZ47-63			
Pole	1P	2P,3P,4P		
Rated current (A)	6,10,16,20,25,32,40,50,63			
Rated voltage(V)	230	400		
Ambient temperature	-5°C~+40°C			
Item of instantaneous release	C	D	C	D
Rated short circuit breaking capacity Icn(kA)	1-32A: 6 50-63A: 4	4	1-32A: 6 50-63A: 4	4

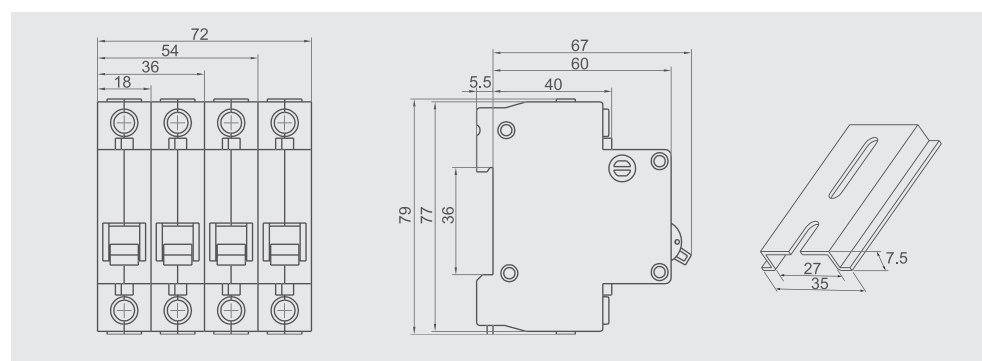
Applicable Conducting Wire

Rated current(A)	Normal cross section of wire mm ²
1-6A	1
10A	1.5
16,20A	2.5
25A	4
32A	6
40,50A	10
63A	16

The Over-current Protection Property

Ambient temperature	Initial status	Test current	Test time	Expected result	Note
30±2°C	Cold position	1.13In	t≤1h	Non-release	—
	Carried out immediately after previous test	1.45In	t<1h	Release	—
	Cold position	2.55In	1s<t<60s (In≤32A)	Release	Current smoothly rises to specified value within 5s
	Cold position	2.55In	1s<t<120s (In>32A)	Release	
-5~+40°C	Cold position	3In	t≤0.1s	Non-release	Item B
	Cold position	5In	t<0.1s	Release	Item B
	Cold position	5In	t≥0.1s	Non-release	Item C
	Cold position	10In	t<0.1s	Release	Item C
	Cold position	10In	t≥0.1s	Non-release	Item D
	Cold position	20In	t<0.1s	Release	Item D

Dimension



Application

DZ47LE-63 is applicable to a line of AC 50/60Hz, rated voltage 230V for single pole two-wire, 2-pole or 400V for 3-pole, 3-pole 4-wire, 4-pole and rated current up to 40A. It can protect the line and motor from overload and short circuit. It can also be used for infrequent line conversion and infrequent motor start. It conforms with the standards of IEC61009.



DZ47LE-63 1P+N

Main Technical Parameter

Item	DZ47LE-63	
Pole	1P+N, 2P	3P, 3P+N, 4P
Rated current (A)	6, 10, 16, 20, 25, 32, 40, 50, 63	
Rated voltage (V)	230	400
Rated short circuit breaking capacity I _{cn} (kA)	6-32A : 6 / 40-63: 4.5	
Rated residual making/breaking capacity I _{Δm} (A)	2000	
Rated residual action current I _{Δn} (A)	0.03, 0.05, 0.1, 0.3	
Rated residual non-action current I _{Δno} (A)	0.5I _{Δn}	

Applicable Conducting Wire

Rated current(A)	1-6	10	16,20	25	32	40,50	63
Normal cross section of wire mm ²	1	1.5	2.5	4	6	10	16

Residual Current Breaking Time

I _n (A)	I _{Δn} (A)	Breaking time(s) when equals to rating following					I _{Δt} ^b
		I _{Δn}	2I _{Δn}	5I _{Δn}	5, 10, 20, 50, 100, 200, 500a(A)		
6-63	0.03, 0.05, 0.1, 0.3	0.1	0.06	0.04	0.04		0.04

The Over-current Protection Property

Ambient temperature	Initial status	Test current	Test time	Expected result	Note
30±2°C	Cold position	1.13I _n	t≤1h	Non-release	-
	Carried out immediately after previous test	1.45I _n	t<1h	Release	-
	Cold position	2.55I _n	1s<t<60s (I _n ≤32A)	Release	Current smoothly rises to specified value within 5s
Cold position	2.55I _n	1s<t<120s (I _n >32A)	Release		
-5~+40°C	Cold position	3I _n	t≤0.1s	Non-release	Item B
	Cold position	5I _n	t<0.1s	Release	Item B
	Cold position	5I _n	t≥0.1s	Non-release	Item C
	Cold position	10I _n	t<0.1s	Release	Item C
	Cold position	10I _n	t≥0.1s	Non-release	Item D
	Cold position	20I _n	t<0.1s	Release	Item D



DZ47LE-63 2P

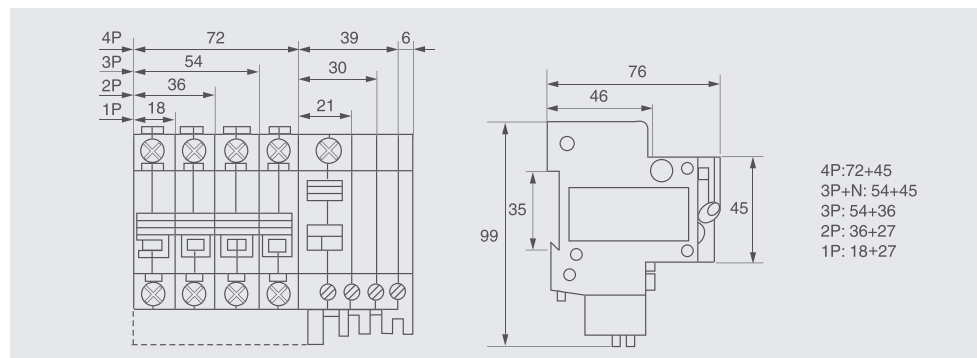


DZ47LE-63 3P



DZ47LE-63 4P

Dimension



Application

L7 high breaking capacity miniature circuit breaker is applicable to a line of AC 50/60Hz, rated voltage 230/400V and rated current up to 63A, used for overload and short circuit protection. It can also be used for infrequent line conversion under the normal condition. The breaker is applicable to industrial enterprise, commercial district, high-rise building and dwelling house. It conforms with the standards of IEC60898.

Main Technical Parameter

Item	L7		
Pole	1P	2P,3P,4P	
Rated current (A)	1,2,3,4,6,10,16,20,25,32,40,50,63		
Rated voltage (V)	230	400	
Item of instantaneous release	B,C,D		
Rated short circuit breaking capacity Icn(kA)	10		
Life (times)	1-32A	Electric life	8000
		Mechanical life	20000
		Operation frequency	240 times per hour
		Electric life	8000
	40-63A	Mechanical life	20000
		Operation frequency	120 times per hour



L7-1P



L7-2P



L7-3P



L7-4P

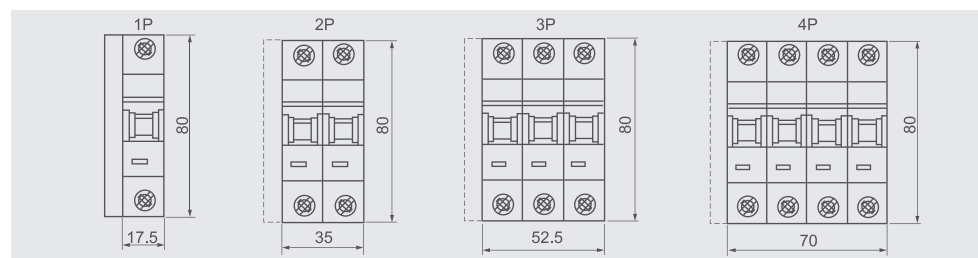
Applicable Conducting Wire

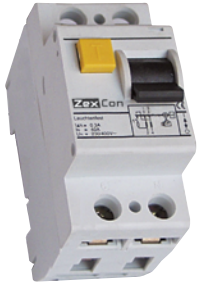
Rated current(A)	Nominal cross section of wire mm ²
1-6A	1
10A	1.5
16,20A	2.5
25A	4
32A	6
40,50A	10
63A	16

The Over-current Protection Property

Ambient temperature	Initial status	Test current	Test time	Expected result	Note
30±2°C	Cold position	1.13In	t≤1h	Non-release	—
	Carried out immediately after previous test	1.45In	t<1h	Release	—
	Cold position	2.55In	1s<t<60s (In≤32A)	Release	Current smoothly rises to specified value within 5s
	Cold position	2.55In	1s<t<120s (In>32A)	Release	
-5~+40°C	Cold position	3In	t≤0.1s	Non-release	Item B
	Cold position	5In	t<0.1s	Release	Item B
	Cold position	5In	t≥0.1s	Non-release	Item C
	Cold position	10In	t<0.1s	Release	Item C
	Cold position	10In	t≥0.1s	Non-release	Item D
	Cold position	20In	t<0.1s	Release	Item D

Dimension





F7 2P



F7 4P

Application

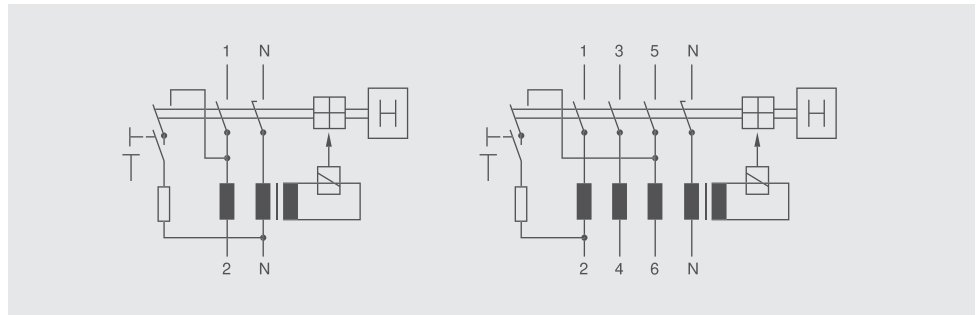
The Residual Current Device F7 is in conformity with the standard of IEC61008. It can cut off the fault circuit immediately on the occasion of shock hazard or earth leakage of trunk line. Thus it is suitable to avoid the shock hazard and fire caused by earth leakage.

F7 RCD is mainly suitable for using in varieties of plants, enterprises, buildings, constructions, commerce, guesthouses and families. It can be used in circuits of 1 phase 230V and 3 phases 400V 50/60Hz.

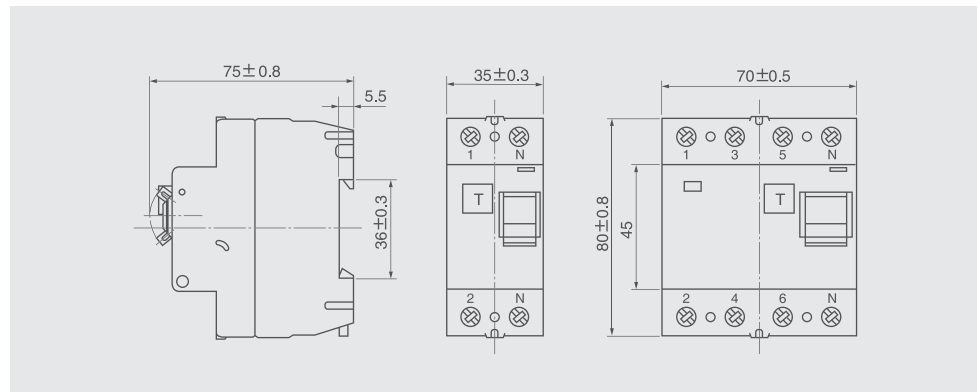
Specifications

Number of Poles	2P, 4P	
Rated Current (A)	16, 20, 25, 32, 40	50, 63
Rated Residual Operating Current (I Δ n)(mA)	30, 100, 300, 500	
Rated Residual Non-operation Current (I Δ no)(mA)	0.5I Δ n	
Rated Voltage (V)	AC 230/400	
Residual Current Off-time	0.1S	
Short Circuit Capacity (Icu)	1500A	3000A
Endurance	4000	
Protection Degree	IP20	

Operation Principle



Overall And Mounting Dimensions (Unit: mm)





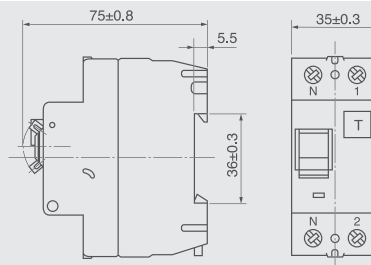
Application

DL7 residual current device is in conformity with the standards of IEC61009. 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. It can be used in circuits up to single phase 240V, three phase 415V, 50/60Hz.

Main Technical Parameter

Item	DL7
Pole	2P, 4P
Rated current I_n (A)	25,40,63,80,100
Rated residual operating current ($I_{\Delta n}$)(mA)	10,30,100,300,500
Rated non-operating current for earth leakage ($I_{\Delta no}$)(mA)	$0.5I_{\Delta n}$
Rated voltage U_n (V)	240(220) 415(380)
Residual current off-time	<0.1s
Minimum value of rated making and breaking capacity	1kA
Rated conditional short-circuit current (I_{nc})	$I_n=25,40A \quad I_{nc}=1500A \quad I_n=63A \quad I_{nc}=3000A$

Dimension



S101 Series Screw Miniature Circuit Breaker

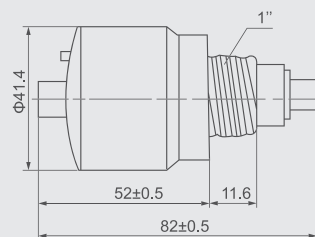
Application

The circuit breakers are suitable used in AC and DC 32A and below electric circuits of 50/60Hz, up to 380V and up to DC 250V respectively, for protection of electrical circuits and apparatus in office and residence buildings, and for protection of circuit terminals against overload and short circuits. The item is a durable protection that substitutes the traditional fuse element and can be used in each fuse socket with E27 thread according to DIN 40400.

Specification

Pole Number	Single Pole	Single Pole
Rated Current (A)	2-25	32
Rated Voltage (V)	250/380	250/380
Breaking Capacity (A)	3000	3000
Power Factor for Testing Circuit (A)	0.65-0.70	0.75-0.80

Dimension



Application

GV series motor protection circuit breaker are mainly used for the overload and short circuit protection of the motor in AC 50/60Hz, up to 660V, 0.1-80A power circuit, as a full-voltage starter to start and cut off the motor, under the AC3 load or for the overload and short circuit protection of the circuit and power equipment in the power distribution network.

Specification

Item	Standard power ratings of 3-phase motors 50/60Hz in category AC-3						Current setting range (A)
	220V kW	380V kW	415V kW	440V kW	500V kW	660V kW	
GV1-M01	--	--	--	--	--	--	0.1-0.16
GV1-M02	--	--	--	--	--	--	0.16-0.25
GV1-M03	--	--	--	--	--	--	0.25-0.4
GV1-M04	--	--	--	--	--	0.37	0.4-0.63
GV1-M05	--	--	--	0.37	0.37	0.55	0.63-1
GV1-M06	--	0.37	--	0.55	0.75	1.1	1-1.6
GV1-M07	0.37	0.75	1.1	1.1	1.1	1.5	1.6-2.5
GV1-M08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
GV1-M10	1.1	2.2	2.2	3	3.7	4	4-6
GV1-M14	2.2	4	4	4	5.5	7.5	6-10
GV1-M20	4	7.5	7.5	7.5	10	11	10-16
GV1-M21	5.5	10	9	9	11	15	16-20
GV1-M22	5.5	11	11	11	15	18.5	20-25
GV2-M01	--	--	--	--	--	--	0.1-0.16
GV2-M02	--	--	--	--	--	--	0.16-0.25
GV2-M03	--	--	--	--	--	--	0.25-0.4
GV2-M04	--	--	--	--	--	0.37	0.4-0.63
GV2-M05	--	--	--	0.37	0.37	0.55	0.63-1
GV2-M06	--	0.37	--	0.55	0.75	1.1	1-1.6
GV2-M07	0.37	0.75	0.75	1.1	1.1	1.5	1.6-2.5
GV2-M08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
GV2-M10	1.1	2.2	2.2	3	3.7	4	4-6.3
GV2-M14	2.2	4	4	4	5.5	7.5	6-10
GV2-M16	3	5.5	5.5	7.5	7.5	9	9-14
GV2-M20	4	7.5	9	9	9	11	13-18
GV2-M21	5.5	11	11	11	11	15	17-23
GV2-M22	5.5	11	11	11	15	18.5	20-25
GV2-M32	7.5	15	15	15	18.5	26	24-32
GV3-M06	--	0.37	--	0.55	0.75	1.1	1-1.6
GV3-M07	0.37	0.75	1.1	1.1	1.1	1.5	1.6-2.5
GV3-M08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
GV3-M10	1.1	2.2	2.2	3	3.7	4	4-6
GV3-M14	2.2	4	4	4	5.5	7.5	6-10
GV3-M20	4	7.5	7.5	7.5	10	11	10-16
GV3-M25	5.5	11	11	11	15	18.5	16-25
GV3-M40	11	18.5	22	22	25	33	25-40
GV3-M63	15	30	33	33	40	55	40-63
GV3-M80	22	40	45	45	55	63	56-80



GV2



GV2-N



GV3



GV3-N