



CAB47-63(DZ47-63) Miniature Circuit Breaker

1P



2P



3P



4P



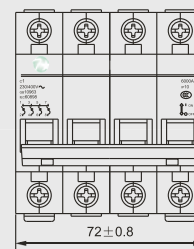
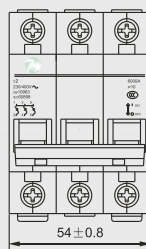
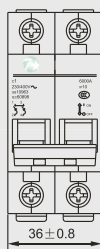
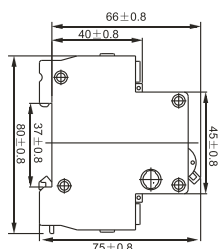
Application

CAB47-63(DZ47-63) miniature circuit breaker can be used for equipment protection in power distribution system, protection of control circuit against short-circuit and overload current faults. And also have circuit control and isolation functions.

Specifications

Rated voltage(v)	Poles	Rated current(A)	Rated breaking capacity(A)	Cos Φ
230/400	1,2	6,10,16,20,25,32,40	6000	0.65-0.7
400	3,4			
230/400	1,2	50,63	4500	0.75-0.8
400	3,4			

Overall dimensions



Packing:

Weight:

Technical data

120pcs/CTN

12kg/CTN

60pcs/CTN

12kg/CTN

40pcs/CTN

12kg/CTN

30pcs/CTN

12kg/CTN

Standard: IEC 60898
 Tripping characteristic curves: B,C,D
 Frequency: 50 or 60Hz
 Rated insulation voltage U_i :500V
 Rated impulse withstand voltage U_{imp} :4000V
 Dielectric test voltage at ind. Freq.
 for 1 min.: 2kV
 Overvoltage category: II

Pollution degree:2
 Protection class: IP20
 Service life at rated load:
 Electrical operations:6000
 Mechanical operation:20000
 Standard mounting: 35mm DIN rail
 Ambient temperature: -5 to +40 °C
 Storage temperature: -25 to +70 °C

Connection copper section and fixing screw torque

Rated current (A)	Nominal cross section area S (mm ²)	Tightening torque (N • m)
6	1	2
10	1.5	2
16,20	2.5	2
25	4	2
32	6	2
40,50	10	2
63	16	2



CAB47-100(DZ47B-100) Miniature Circuit Breaker

1P



2P



3P



4P



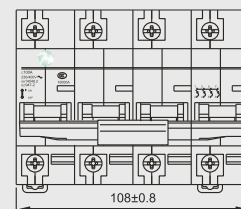
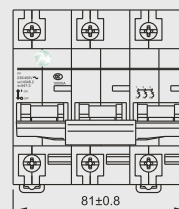
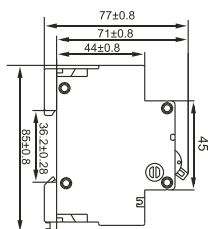
Application

CAB47-100(DZ47B-100) miniature circuit breaker can be used for equipment protection in power distribution system, protection of control circuit against short-circuit and overload current faults. And also have circuit control and isolation functions. The rated breaking capacity is 10000A.

Specifications

Rated voltage(v)	Poles	Rated current(A)	Rated breaking capacity (A)	Cos Φ
230	1	63,80,100	10000	0.45-0.5
230/400	2,4			
400	3			

Overall dimensions



Packing

Weight:

Technical data

120pcs/CTN

60pcs/CTN

40pcs/CTN

30pcs/CTN

19kg/CTN

19kg/CTN

19kg/CTN

19kg/CTN

Standard: IEC 947-2

Tripping characteristic curves: B,C,D

Frequency: 50 or 60Hz

Rated insulation voltage U_i :500VRated impulse withstand voltage U_{imp} :6000V

Dielectric test voltage at ind. Freq. for 1 min.: 1890V

Over voltage category: III

Pollution degree:3

Protection class: IP20

Service life at rated load:

Electrical operations:6000

Mechanical operation:20000

Standard mounting: 35mm

DIN rail

Ambient temperature: -5 to+40℃

Storage temperature: -25 to+70℃

Connection copper section and fixing screw torque

Rated current (A)	Nominal cross section area S (mm ²)	Tightening torque (N • m)
63	16	3.5
80	25	3.5
100	35	3.5



CAB65-63(LEB65) Miniature Circuit Breaker

1P



2P



3P



4P



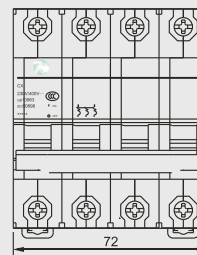
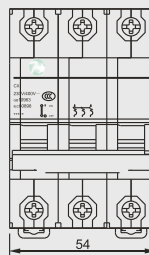
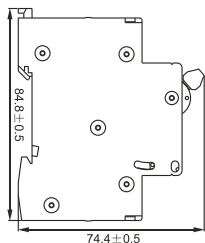
Application

CAB65-63(LEB65) miniature circuit breaker can be used for equipment protection in power distribution system, protection of control circuit against short-circuit and overload current faults. And also have circuit control and isolation functions.

Specifications

Rated voltage(v)	Poles	Rated current(A)	Rated breaking capacity(A)	Cos Φ
230/400	1-4	1,2,3,6,10,16,20,25,32,	10000	0.65-0.7
		40,50,63	6000	0.75-0.8

Overall dimensions



Technical data

Standard: IEC 60898
 Tripping characteristic curves: B,C,D
 Frequency: 50 or 60Hz
 Rated insulation voltage U_i :500V
 Rated impulse withstand voltage U_{imp} :4000V
 Dielectric test voltage at ind. Freq.
 for 1 min.: 2000V
 Overvoltage category: II

Pollution degree:2
 Protection class: IP20
 Service life at rated load:
 Electrical operations:6000
 Mechanical operation:20000
 Standard mounting: 35mm DIN rail
 Ambient temperature: -5℃ to +40℃
 Storage temperature: -25℃ to +70℃

Connection copper section and fixing screw torque

Rated current (A)	Nominal cross section area S (mm ²)	Tightening torque (N · m)
1	1	2.5
2	1	2.5
3	1	2.5
6	1	2.5
10	1.5	2.5
16,20	2.5	2.5
25	4	2.5
32	6	2.5
40,50	10	2.5
63	16	2.5

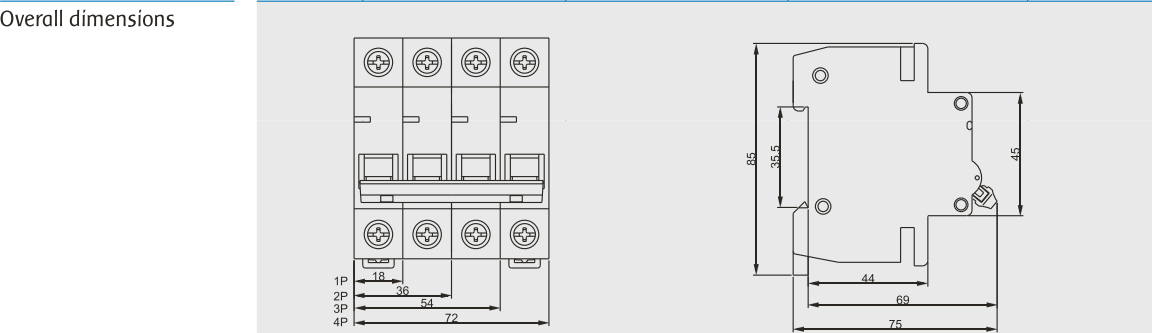
CAB68-63 Miniature Circuit Breaker



Application

CAB68-63 miniature circuit breaker can be used for equipment protection in power distribution system, protection of control circuit against short-circuit and overload current faults. And also have circuit control and isolation functions.

Rated voltage(v)	Poles	Rated current(A)	Rated breaking capacity(A)	Cos Φ
230/400	1,2	6,10,16,20,25,32,40	6000	0.65-0.7
400	3,4			
230/400	1,2	50,63	4500	0.75-0.8
400	3,4			



Packing:	120pcs/CTN	60pcs/CTN	40pcs/CTN	30pcs/CTN
Weight:	12kg/CTN	12kg/CTN	12kg/CTN	12kg/CTN

Technical data	Standard: IEC 60898 Tripping characteristic curves: B,C,D Frequency: 50 or 60Hz Rated insulation voltage Ui:500V Rated impulse withstand voltage Uimp:4000V Dielectric test voltage at ind. Freq. for 1 min.: 2kV Overvoltage category: II		Pollution degree:2 Protection class: IP20 Service life at rated load: Electrical operations:6000 Mechanical operation:20000 Standard mounting: 35mm DIN rail Ambient temperature: -5 to+40℃ Storage temperature: -25 to+70℃	
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Rated current (A)	Nominal cross section area S (mm ²)	Tightening torque (N · m)
6	1	2
10	1.5	2
16,20	2.5	2
25	4	2
32	6	2
40,50	10	2
63	16	2

Connection copper section and fixing screw torque



CAB30-32 Miniature Circuit Breaker

1P+N



Application

CAB30-32 miniature circuit breaker can be used for equipment protection in power distribution system, protection of control circuit against short-circuit and overload current faults. And also have circuit control and isolation functions. The product is same as single pole DZ47 miniature circuit breaker, the difference is the product can cut off phase and neuter wires at same time when current faults happen.

Specifications

Rated voltage (v)	Poles	Rated current (A)	Rated breaking capacity(A)	Cos Φ
230	1P+N	6,10,16,20,25,32	3000	0.85-0.90

Technical data

Standard: IEC 60898	Protection class: IP20
Tripping characteristic curves: B,C,D	Service life at rated load:
Frequency: 50 or 60Hz	Electrical operations: 6000
Rated insulation voltage U_i : 500V	Mechanical operation: 20000
Rated impulse withstand voltage U_{imp} : 4000V	Standard mounting: 35mm DIN rail
Dielectric test voltage at ind. Freq. for 1 min.: 2000V	Ambient temperature: -5 to +40°C
Overvoltage category: II	Storage temperature: -25 to +70°C
Pollution degree: 2	

Connection copper section and fixing screw torque

Rated current (A)	Nominal cross section area S (mm ²)	Tightening torque (N • m)
6	1	1.2
10	1.5	1.2
20	2.5	1.2
25	4	1.2
32	6	1.2

CAB58 Miniature Circuit Breaker

CAB58



Specifications

Rated current (A)	Rated voltage (V)	Inc (A)
6,10,16,20,25,32	230	1500

CAB7(LEB7) Miniature Circuit Breaker

CAB7-C25



CAB7-C63



CAB7H-125/1/C



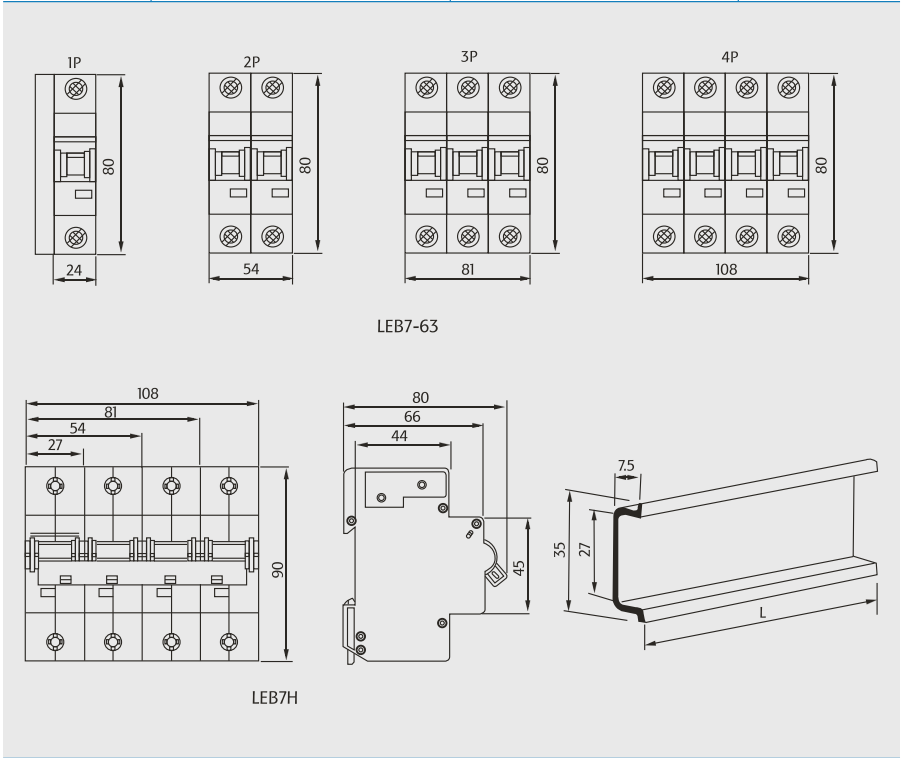
Application

CAB7 (LEB7) belongs to the advanced level instead of the older generation of LEB7. It has protective function for short-circuit and overload, used in lighting distribution system in industry, commerce and dwelling, and protect fractional electric motors. It has many merits of high protective grade(up to IP20), high break capacity, reliable sensitive action, convenient, multipole assembling and long life etc., Mainly adapted to the circuit of AC 50Hz for protecting overload and short circuit. Meanwhile, it is used in turning on or off the electric apparatus and lighting circuit under the normal condition. It is in conformity with the standards of IEC60898 and GB10963.

Specifications

Type	Poles	Rated voltage(V)	Electrical life	Mechanical life	Rated current(A)	Breaking capacity(kA)
LEB7-63	1,2,3,4	230/400	4000	20000	6,10,16,20,25,32,40,50,63	10
LEB7H					63,80,100,125	15

Overall dimensions



Tripping characteristic curve B, C, D.



CAD1-63 (LED2) Isolator

CAD1-63 1P



CAD1-63 2P



CAD1-63 3P



CAD1-63 4P



Application

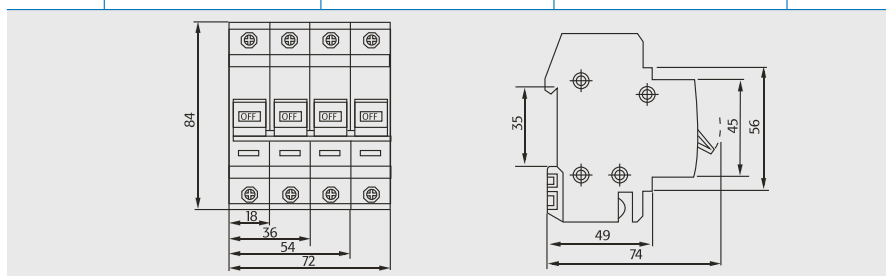
CAD1-63 (LED2) Series isolator is used in the AC circuit of 50Hz or 60Hz, rated voltage 230V/ 400V rated current is up to 63A for distributing and controlling. It can also control all kinds of motor, low-power equipments and lighting system.

It is in conformity with the standard of IEC60947-3.

Specifications

Rated current of enclosure degree	Poles	Rated voltage(V)	Rated current(A)	Rated voltage of shock withstand(V)	Cross-sectional area
63A	1P 2P 3P 4P	230/400	10,16,20 25,32,40 50,63	5000	$\leq 16\text{mm}^2$

Overall dimensions



CAB7-63G Over Voltage Protection MCB

CAB7-63-G



Application

CAB7-63G series over-voltage MCB with the protection for the 50Hz, 230V circuit of the building(or similar location) or the electrical equipment, against over voltage & over load, the rated voltage is 280V $\pm 5\%$, rated current is 63A. The standards is IEC60898, GB10963.

Instruction

CAB7-63G series over-voltage MCB is the new generation products from CAB7-63 MCB which added the over-voltage module, having the excellence of smaller volume and stable over-voltage protection.

Technical data

Rated current of enclosure degree Inm	Poles	Rated current In	Rated making & breaking capacity			Electrical life	Mechanical life	Tripping curve
			V	kA	COS Φ			
63A	1P+N	6~63A	230	6	0.7~0.8	4000	20000	B,C,D



CAB8 Miniature Circuit Breaker

CAB8-1P



CAB8-2P



Application

The products of CAB8 belong to the advanced level of the nineties in the world instead of the older generation of CAB8. They have short-circuit and overload current protections, and are used in lighting distribution system in industry, commerce and dwelling, and protect fractional electric motors, and also have many merits of high protective grade(up to IP20), high break capacity, reliable sensitive action, convenient, multipole assembling long life etc. They are mainly adapted to the circuit of AC 50Hz, 230V in single pole, 400V in double, three,Four poles for protecting overload and short circuit. Meanwhile, they are also used in turning on or off the electric apparatus and lighting circuit under the normal condition.

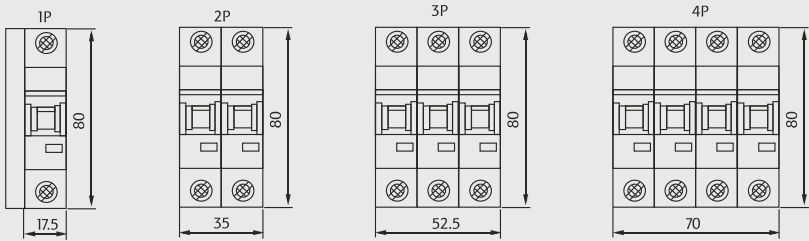
Electrical specification

Standard	IEC60898
Poles	1P,2P,3P,4P
Rated voltage	230V/400V, 50/60Hz
Rated breaking capacity	10kA IEC898(0.5~63A),15kA IEC947-2(0.5~63A)
Short circuit breaking capacity of DC	Max. 48V(CAB8.....,10kA)single pole, Max.250V(CAB8.-DC.6kA)single pole
Performance	C, D characteristic curve
Max. fuse that can be connected to	100AgL(>10kA)
Selective grade	3
Working ambient temperature	-5 to +40℃
Enclosed protective class	IP40(Under mounting)
Electrical life Mechanical life	Not less of 8000 times switching operation Not less of 20000 times switching operation

Mechanical specification

The length of exposed plane	45mm
Enclosure height	80mm
Enclosure width	17.5mm per pole(single pole),35mm:1P+N(two poles)
Mounting manner	Used for track of 35mm of IEC standard
Terminal manner	Two-FUNCTION terminal can connect with busbar and conducting wire
Terminal block capacity	Wire 1-25mm ² , Conducting wire 0.8-2mm ²

Overall dimensions





CAB60 (DXTM) Miniature Circuit Breaker

CAB60 1P



CAB60 2P



CAB60 3P



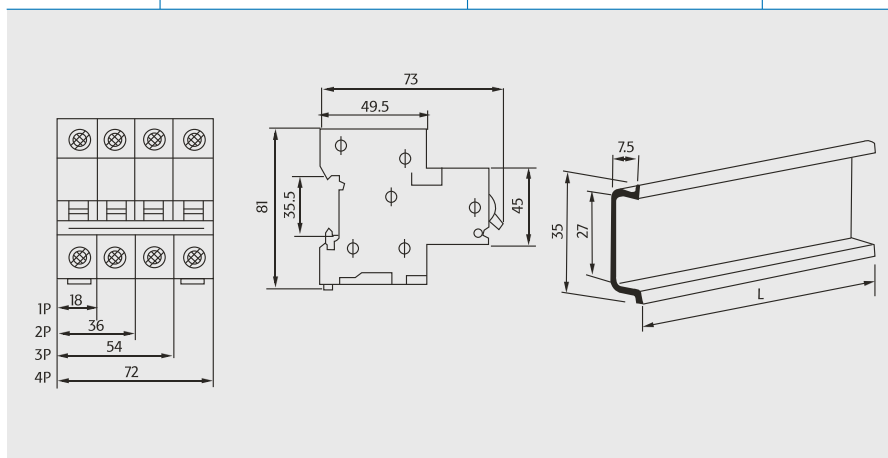
Application

CAB60 miniature circuit breaker is mainly suitable for overload and short circuit protection. It is especially used for illumination and distribution in industry and commerce etc. It has pleasing outlook & high breaking capacity, reliable performance, high inflammable resistance and shock resistance for long service life. It is within the circuit of AC 50/60Hz, rated voltage of single pole up to 230V, two, three or four poles up to 400V, It can also be used for an unfrequent change over of the circuit and illumination under normal condition.

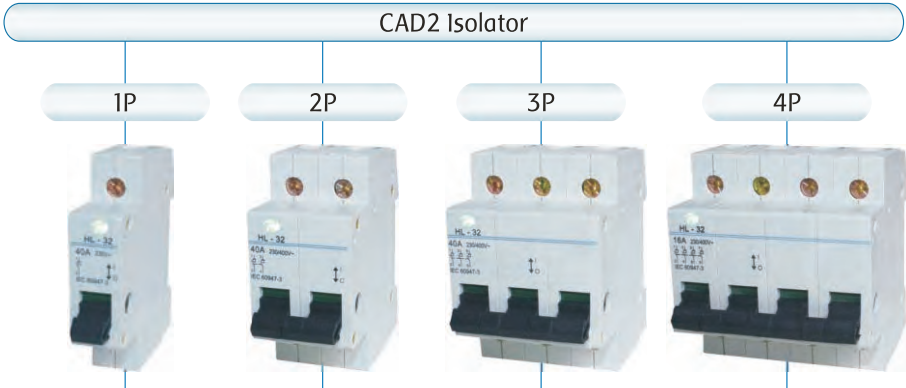
Specifications

Rated voltage (V)	Poles	Rated current (A)	Breaking capacity (kA)	Electrical life (times)	Mechanical life (times)
230	1	1,2,3,4,6,10,16 20,25,32,40,50,63	10	6000	20000
400	2,3,4				

Overall dimensions



Tripping characteristic curve C,D.



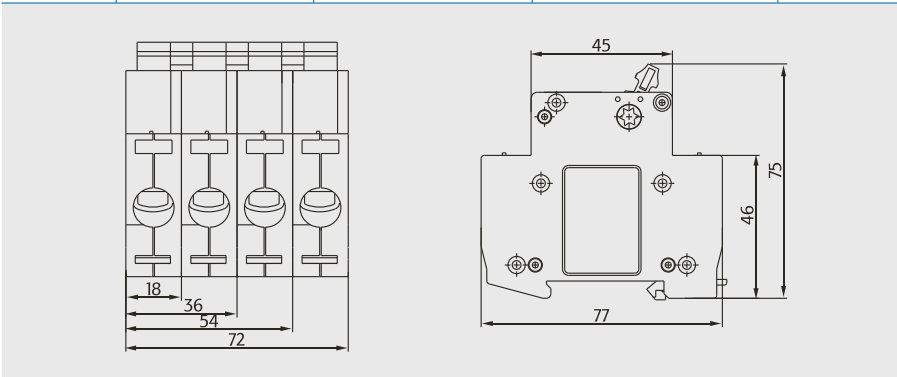
General

- 1.1 In the open position, it complies with the requirements of the isolating function.
- 1.2 It is designed match CAB series MCBs/RCBOs.

Technical data

Electrical features	Standard		IEC/EN 60947-3
	Rated voltage Ue	V	230/400
	Rated current Ie	A	32, 63, 100
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Rated short-time withstand current Icw		12Ie, 1s
	Rated making and breaking capacity		3Ie, 1.05Ue, cos φ =0.65
	Rated short circuit making capacity		20Ie, t=0.1s
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5
	Insulation voltage Ui	V	500
Mechanical features	Pollution degree		2
	Utilization category		AC-22A
	Electrical life		1500
	Mechanical life		8500
	Protection degree		IP20
Installation	Ambient temperature(with daily average ≤35℃)	℃	-5...+40
	Storage temperature	℃	-25...+70
	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ² AWG	50 18-1/0
	Terminal size top/bottom for bus bar	mm ² AWG	50 18-1/0
	Tightening torque	N • m In-lbs	2.5 22
	Connection		From top and bottom

Overall dimensions





CAB18 Motor Protection Circuit Breaker

CAB18



Application

CAB18 series motor protection circuit breaker is 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 stop 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.

Specifications

Type	Standard power ratings of 3-phase motors 50/60Hz in category AC-3						Setting range
	220V	380V	415V	440V	500V	660V	
	kW	kW	kW	kW	kW	kW	
CAB18-1-M01	--	--	--	--	--	--	0.1-0.16
CAB18-1-M02	--	--	--	--	--	--	0.16-0.25
CAB18-1-M03	--	--	--	--	--	--	0.25-0.4
CAB18-1-M04	--	--	--	--	--	0.37	0.4-0.63
CAB18-1-M05	--	--	--	0.37	0.37	0.55	0.63-1
CAB18-1-M06	--	0.37	--	0.55	0.75	1.1	1-1.6
CAB18-1-M07	0.37	0.75	1.1	1.1	1.1	1.5	1.6-2.5
CAB18-1-M08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
CAB18-1-M10	1.1	2.2	2.2	3	3.7	4	4-6
CAB18-1-M14	2.2	4	4	4	5.5	7.5	6-10
CAB18-1-M20	4	7.5	7.5	7.5	10	11	10-16
CAB18-1-M21	5.5	10	9	9	11	15	16-20
CAB18-1-M22	5.5	11	11	11	15	18.5	20-25
CAB18-2-M01/RS01	--	--	--	--	--	--	0.1-0.16
CAB18-2-M02/RS02	--	--	--	--	--	--	0.16-0.25
CAB18-2-M03/RS03	--	--	--	--	--	--	0.25-0.4
CAB18-2-M04/RS04	--	--	--	--	--	0.37	0.4-0.63
CAB18-2-M05/RS05	--	--	--	0.37	0.37	0.55	0.63-1
CAB18-2-M06/RS06	--	0.37	--	0.55	0.75	1.1	1-1.6
CAB18-2-M07/RS07	0.37	0.75	0.75	1.1	1.1	1.5	1.6-2.5
CAB18-2-M08/RS08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
CAB18-2-M10/RS10	1.1	2.2	2.2	3	3.7	4	4-6.3
CAB18-2-M14/RS14	2.2	4	4	4	5.5	7.5	6-10
CAB18-2-M16/RS16	3	5.5	5.5	7.5	7.5	9	9-14
CAB18-2-M20/RS20	4	7.5	9	9	9	11	13-18
CAB18-2-M21/RS21	5.5	11	11	11	11	15	17-23
CAB18-2-M22/RS22	5.5	11	11	11	15	18.5	20-25
CAB18-2-M32/RS32	7.5	15	15	15	18.5	26	24-32
CAB18-3-M06	—	0.37	—	0.55	0.75	1.1	1-1.6
CAB18-3-M07	0.37	0.75	1.1	1.1	1.1	1.5	1.6-2.5
CAB18-3-M08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
CAB18-3-M10	1.1	2.2	2.2	3	3.7	4	4-6
CAB18-3-M14	2.2	4	4	4	5.5	7.5	6-10
CAB18-3-M20	4	7.5	7.5	7.5	10	11	10-16
CAB18-3-M25	5.5	11	11	11	15	18.5	16-25
CAB18-3-M40	11	18.5	22	22	25	33	25-40
CAB18-3-M63	15	30	33	33	40	55	40-63
CAB18-3-M80	22	40	45	45	55	63	56-80



CAB19 Motor Protection Circuit Breaker

CAB19 with enclosure



Application

This product is suitable for being used in circuit up to AC 660V or 440V and current 0.1 to 16A. It can be used for protection of overload and short circuit of 3-phase squirrel-cage motors, and starters of motors at full voltage. It is suitable to protect the motor from under voltage. It can also be used in operating AC single phase load and DC load. It can monitor the fuse switch disconnection or to act as protection for phase failure.

This product range includes basic switch and 26 accessories .It complies with standard of IEC60947-2.

Specifications

Rated current for tripping(A)	Rated of fixed current(A)	Code
0.16	0.1~0.16	05
0.25	0.16~0.25	09
0.40	0.25~0.40	13
0.63	0.40~0.63	17
1.0	0.63~1.0	21
1.6	1.0~1.6	25
2.5	1.6~2.5	29
4.0	2.5~4.0	33
6.3	4.0~6.3	37
10	6.3~10	42
16	9.5~16	46

Characteristic curve
and overall dimensions

