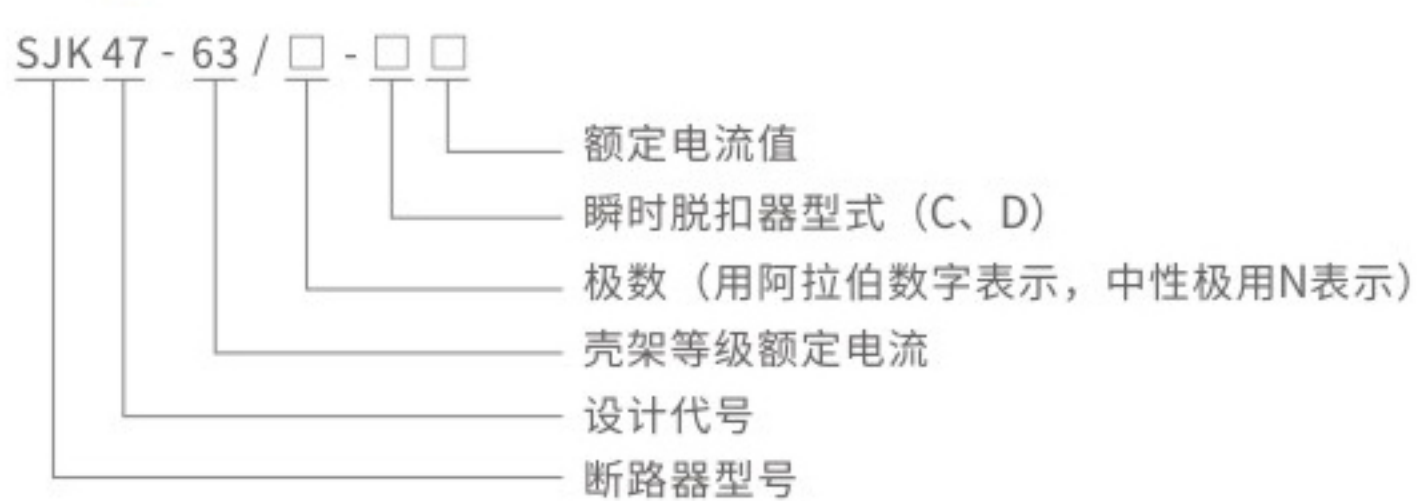


Scope of application

The SJK47-63 miniature circuit breaker has the characteristics of advanced and reasonable structure, reliable performance, high breaking capacity, and beautiful and compact appearance. The shell and other components are made of impact resistant and highly flame-retardant materials. Suitable for AC 50Hz or 60Hz, rated voltage 220/380V, rated current up to 63A line. It is mainly used for overload and short circuit protection of lighting, distribution lines, and equipment in various places such as industrial, commercial, high-rise office buildings, and residential buildings. It can also be used for infrequent operation and conversion of lines under normal circumstances

Compliant with standards: GB10963.1, IEC60898-1, and obtained CCC certification

型号及含义



Main parameters and technical performance

◆ Main specifications

◇ Divided by rated current I_n : 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A

According to the type of instantaneous release, it can be divided into: C-type (5-10) I_n D-type (10-14) I_n

◇ Divided by pole: a. Single pole circuit breaker

b. Circuit breaker with three protective poles

c. Circuit breaker with four protective poles

◆ 主要技术参数

额定短路能力 I_{cn} 、运行短路分断能力 I_{cs} (见表1)。

表1

产品型号	额定电流	额定短路电流(A)	运行短路分断能力(A)
SJK47-63	6~63A	4500	4500

机械电气寿命(见表2)

表2

	次数	操作频率(次/时)	额定电流(A)
电气寿命	4000	240	6~32
		120	40~63
机械寿命	20000	240	6~63

过电流保护特性在30°C~35°C下(见表3)。

表3

序号	脱扣器额定电流(A)	起始状态	试验电流	规定时间	预期结果	备注
1	6~63	冷态	1.13 I_n	$t \leq 1h$ $I_n \leq 63A$	不脱扣	
2	6~63	紧接着前项试验后进行	1.45 I_n	$t < 1h$ $I_n \leq 63A$	脱扣	电流在5s内稳定的上升至规定值
3	$I_n \leq 32$	冷态	2.55 I_n	$1s < t < 60s$	脱扣	
	$I_n > 32$	冷态	2.55 I_n	$1s < t < 120s$	脱扣	
4	6~63	冷态	3 I_n	$t \leq 0.1s$	不脱扣	B型
			5 I_n	$t < 0.1s$	脱扣	
			10 I_n	$t \leq 0.1s$	不脱扣	C型
			10 I_n	$t < 0.1s$	脱扣	
14 I_n	$t \leq 0.1s$	不脱扣	D型			
14 I_n	$t < 0.1s$	脱扣				

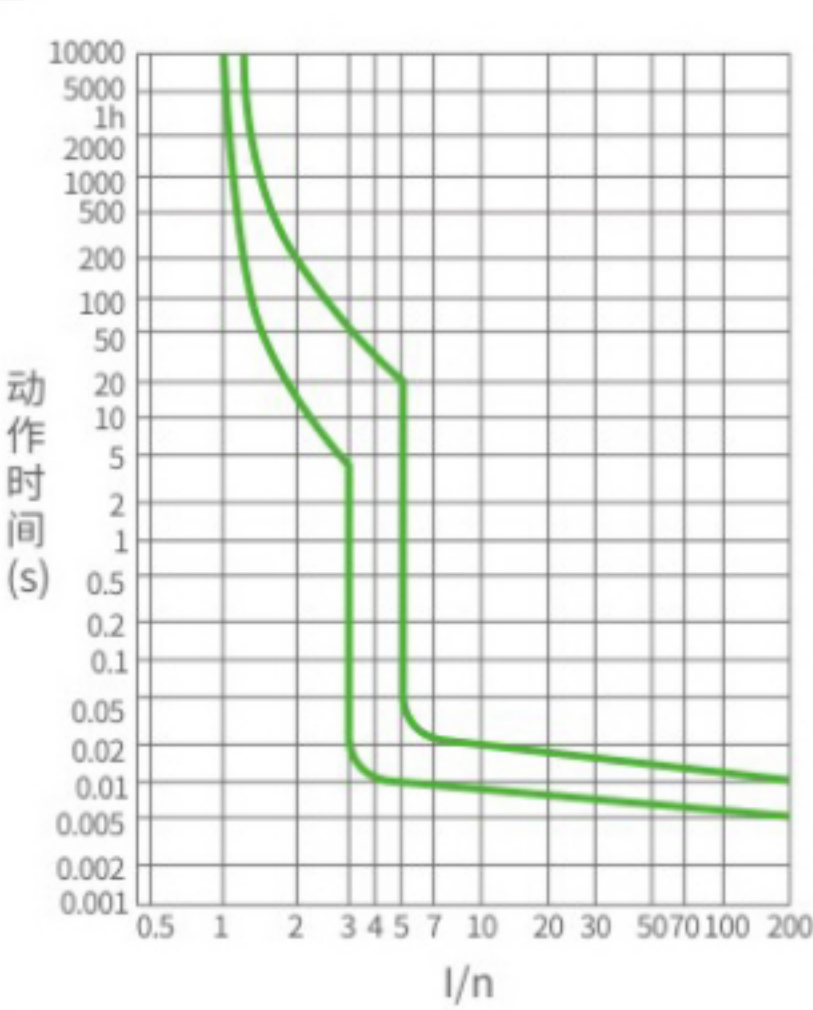
接线: 适用25mm²以下导线连接(见表4), 接线方法用螺钉压紧接线, 扭矩为2N·m。

表4

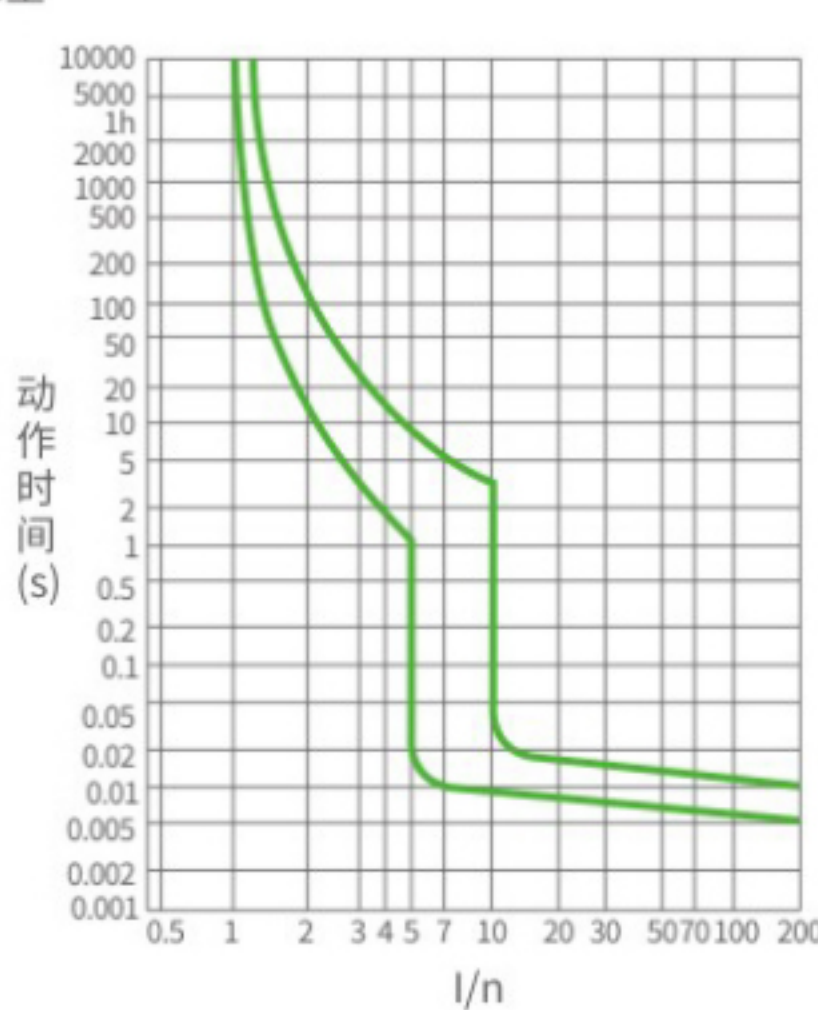
额定电流 I_n (A)	铜导线标称截面积(mm ²)
6	1
10	1.5
16、20	2.5
25	4
32	6
40、50	10
63	16

◆ 脱扣特性曲线

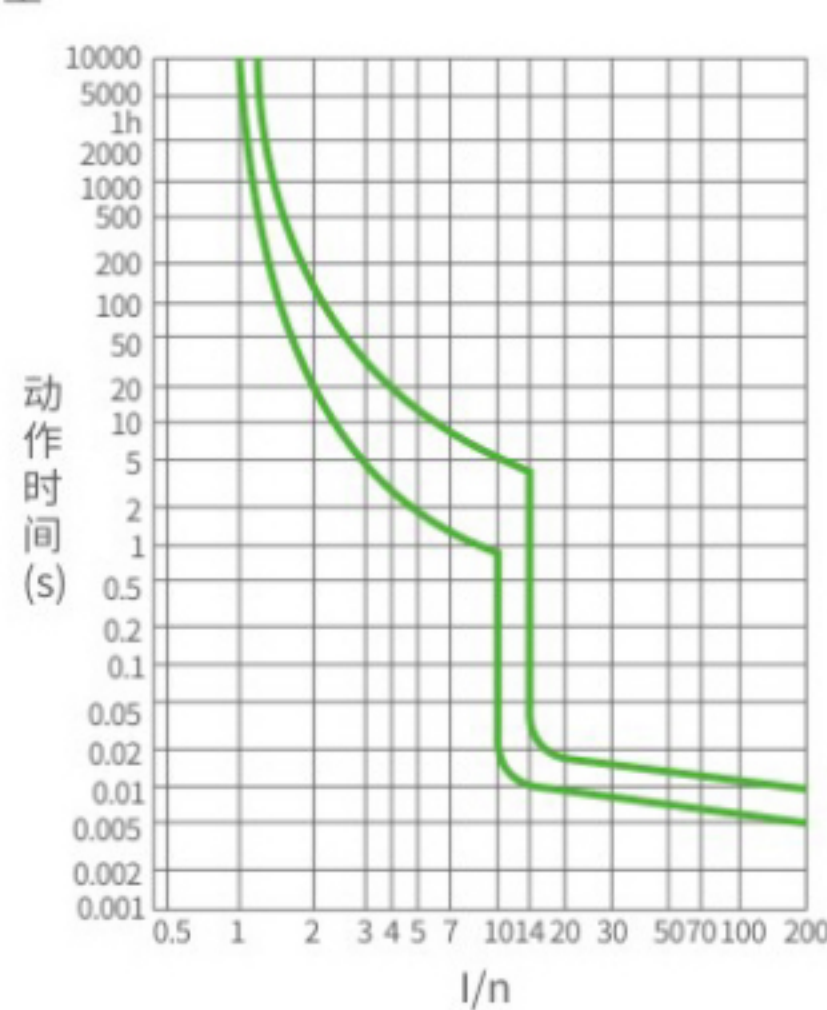
B型



C型



D型



◆ 断路器的每极功耗(见表5)

表5

额定电流 I_n (A)	每极最大功耗(W)
6~10	2
16~32	3.5
40~63	5

Other

◆ Structural Features

◇ Composed of plastic casing, operating mechanism, contact arc extinguishing system, tripping mechanism, etc

The shell is made of special plastic with high flame retardancy, high temperature resistance, and high strength, which has strong impact resistance and light weight

The components of the circuit breaker operating mechanism are made of high-strength plastic products, which ensure sensitivity and reliability while obtaining the lowest moment of inertia, making the time from the beginning of the short circuit fault to the action of the trip mechanism very short

The trip mechanism consists of two parts: a bimetallic overload inverse time trip mechanism and a short-circuit instantaneous electromagnetic mechanism

The contact arc extinguishing system adopts special arc angles and arc extinguishing chambers, which have significant current limiting characteristics

◇ Applicable working conditions and working environment:

a. Environmental temperature: -25 ° C ~ +60 ° C. When the environmental temperature is not the benchmark of 30 ° C, please refer to Table 6 for coefficient correction

表6

环境温度°C	-30	-20	-10	0	10	20	30	40	50	60
电流修正系数	1.30	1.25	1.20	1.15	1.10	1.05	1.00	0.95	0.90	0.85

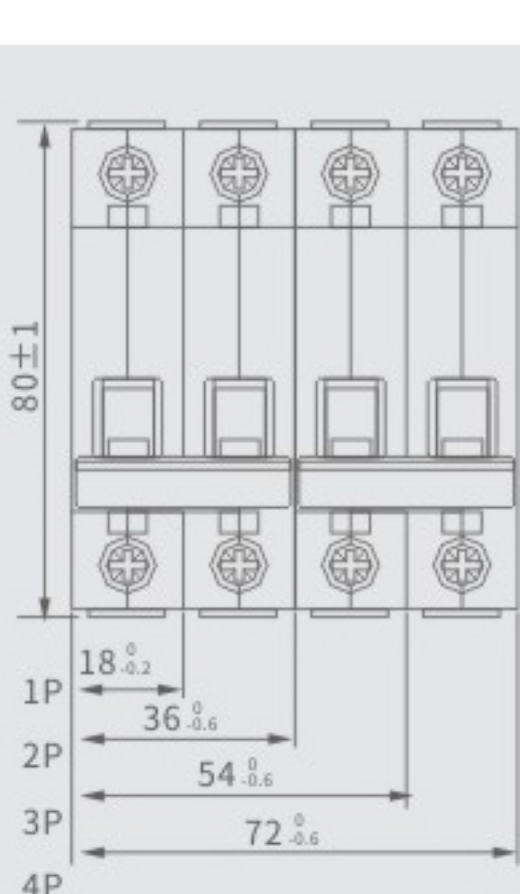
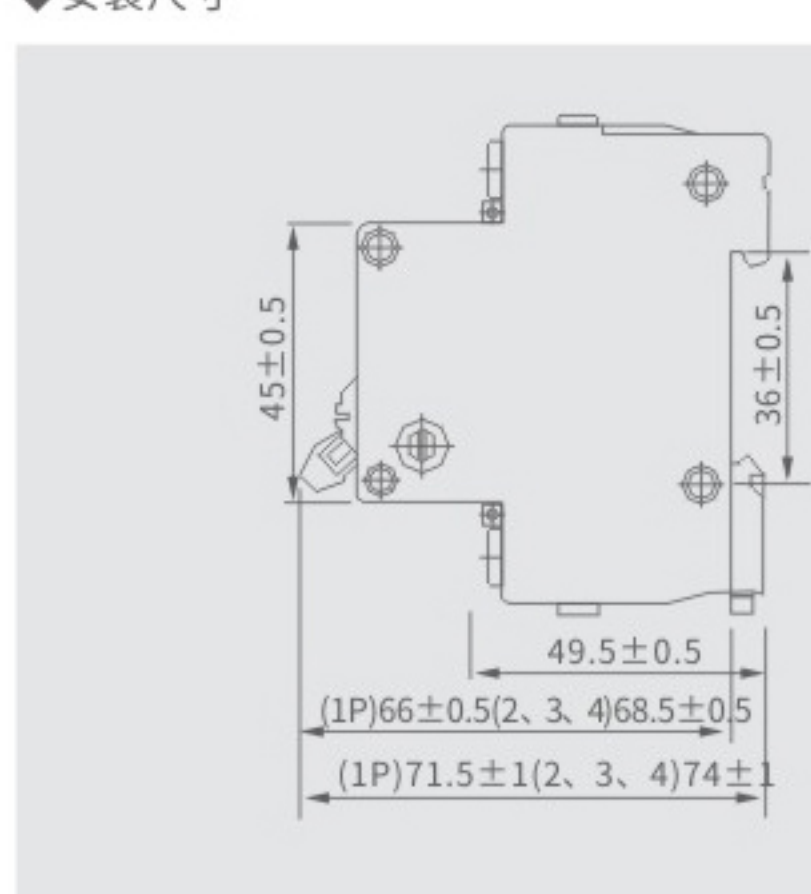
b. Altitude: The altitude of the installation site shall not exceed 2000m

c. Installation method: TH35-75 steel installation rail is used for installation

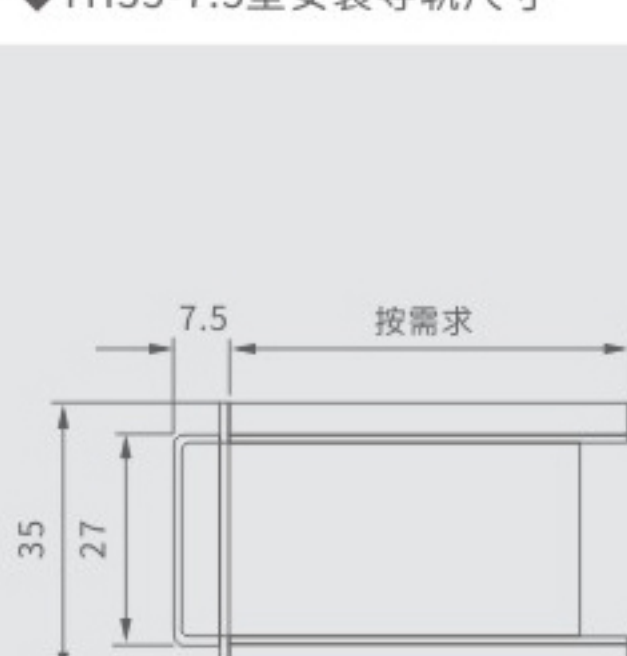
◇ With isolation function

外形及安装尺寸

◆ 安装尺寸



◆ TH35-7.5型安装导轨尺寸



Ordering Notice

When placing an order, the user must specify the following points:

Product model and name, such as SJK47-63 high section miniature circuit breaker

◆ Type of instantaneous release: such as C-type

Rated current: such as 20A

◆ Polarity: Two poles

Order quantity: such as 50 units

◆ Ordering example: SJK47-63 miniature circuit breaker, 2P, 50 units