



# TEMBER

## Miniature Circuit Breaker T-B小型断路器



# TEMBER



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# TEMBER LINE CHINA

# Tember welcome you 天铂欢迎您

## Introduction

We have our own R&D, production, and sales teams to provide our customers with solutions in the analysis, measurement, protection, and control of electrical components.

### One-on-One Service

We are engaged in the production and sales of electrical components. We have more than 30 years of history in this area. Our products have been sold to the international market. Our business slogan: Confidence, Quality, Innovation, and Flexibility.

### Our products fall into two categories:

Products to improve energy efficiency, and  
Products related to energy, industry and infrastructure

Our market is international. We are flexible and efficient. That's why we can provide our customers with specific solutions according to their customized demands.

### The development of our company

Because of our flexibility, we can sense the current and future demands of the market and offer the best solutions to our customers.

Temper considers the direction, rather than the goals, of development the most important for a company. As we are clear about its direction, we can focus on the future and improve continuously.

### Corporate philosophy

We have five basic concepts.

Confidence. We must be confident enough.

Achievement. We are result-oriented.

Quality. We offer quality service to our customers.

Improvement. We have the spirit of continuous improvement.

Flexibility. We are flexible, and open to changes.

Our requirements on product quality

Our most important quality rule is to satisfy our customers mostly.

Our products must comply with all legal, standard, and technical requirements. Each link in the supply chain from design to production to sales must be involved in the quality control system.

### 企业简介

我们有自己的研发、生产及销售团队，为客户提供电气材料方面的分析、测量、保护、控制解决方案。

我们的服务是专一、一对一的服务

我们是从事电气材料的生产与销售厂家。在这个领域里，我们已经有30多年的历史，我们的产品也已经销售到国际市场中。我们企业的标签是：充满自信、优质服务、创新进取、灵活开发。

我们的产品主要分为二类：

提高能源利用率的产品

与能源、工业、基础设施相关的产品

我们的市场运作是国际化的，因为我们的灵活与高效，所以我们可以根据客户个性化的要求，提供给他们一个具体的解决方案。

### 企业发展方向

我们灵活多变的能力使得我们可以发现当前以及将来市场的需求，给我们的客户一个最佳的解决方案。

天铂公司认为最重要的是明确企业发展方向，而不是确定企业的发展目标。

因为明确了企业发展方向可以使得我们能不断地持续改进，使得我们能着眼于未来，不断进步。

### 企业理念

我们有5个基本理念

充满自信 每个人必须要有足够多的自信心

完成目标 以事情的结果为导向

优质服务 向客户提供优质的服务

创新进取 我们要有不断进取的精神

灵活开放 我们一直以灵活、开放的心态接受变化

### 质量要求

我们的第一质量标准是争取的客户最大的满意。

我们的产品必须要符合所有的标准、法律、技术要求，我们的质量控制系统包括了从设计、生产以及到销售的所有环节的控制。

## Our Team 我们的团队

We have a professional, dedicated, motivated team, which allows us to innovate all the time, to provide customers with quality service, and to fulfill the corporate philosophy.

我们有一个专业、敬业、上进的团队，这使得我们可以不断创新、为客户提供优质的服务、实现我们公司的理念。

We give our team members advanced training to help them work positively. In this way, we can face the changing market with the peace of mind and provide first-class service to our customers.

我们团队的人员工作积极，接受过高级培训，这样，我们可以从容地面对不断变化的市场，向客户提供高水平的服务。

Please come to us and visit our team. We adjust our direction for you.

请来我们公司，视察我们的团队，我们因您的需求不断地调整我们的工作方向。



## Temper in China 我们在中国

China is the only country which has huge market potential in various fields. In 2008, we came to China and located at Jiangsu and entered into this market. We established a good sales and service network in more than 30 cities as well.

中国是世界上唯一一个在各个领域都拥有巨大的市场潜力的国家。2008年，我们来到中国，开始进入这个巨大的市场，在江苏常州建立生产基地。并在30多个城市建立了完善的销售服务网络。



## T-B小型断路器 Miniature circuit breaker

T-B32系列小型断路器	05-07
T-B32L系列漏电小型断路器	08-10
T-B63系列小型断路器	11-14
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### 一、Introduction 概述

#### 1.1 Scope of Application 适用范围

T-B32 Series Miniature Circuit Breakers are used in 50 Hz AC systems where rated voltage is 230V (single-phase), and rated current 6-32A. The Series can be used both as protection breakers for overloads and short-circuits. The 2-pole (1P+N) T-B32 models are light, but are compact and easy to install. The models are used also as mains isolators. T-B32 Series is widely seen in houses, hotels, apartments, hospitals, or industrial sites.

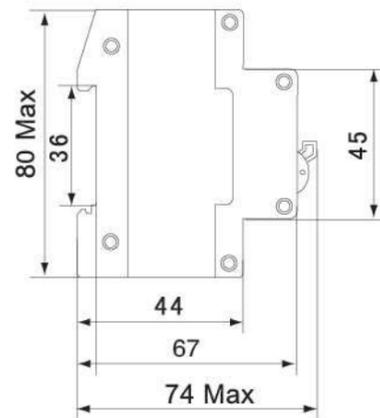
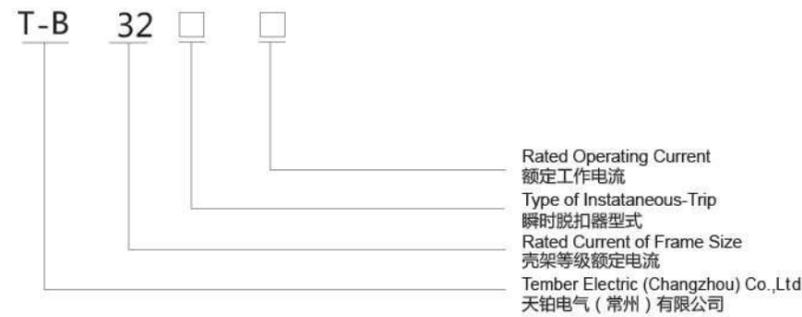
T-B32 Series Miniature Circuit Breakers conform to standards of GB 10963 and IEC 60898.

T-B32系列小型断路器，适用于交流50Hz、额定电压单相230V；额定电流6~32A的线路中的过载和短路保护，具有两个极（1P+N），重量轻，导轨安装，结构尺寸紧凑等特点。此外，也可作电源隔离器。该产品广泛地应用在家庭、宾馆、公寓、医院、工矿企业等场所。

该产品符合GB10963、IEC60898标准。

### 二、Model Guide 型号说明

#### 2.1 Models and Definitions 型号及其含义



### 2.2 Identification of Product 产品标识



### 三、Specification 性能

#### 3.1 Types of Product 主要规格

- By rated current 按额定电流分：6A、10A、16A、20A、25A、32A
- By number of poles 按极数分：1P+N
- By type of instantaneous trip 按瞬时脱扣的型式分：C型（5~10I<sub>n</sub>）
- By service life 机械寿命：20000次
- By breaking capacity 分断能力：4500A
- By function of wiring: RK 10 or below 接线能力：使用10mm<sup>2</sup>及以下导线

#### 3.2 Technical Specifications 产品参数

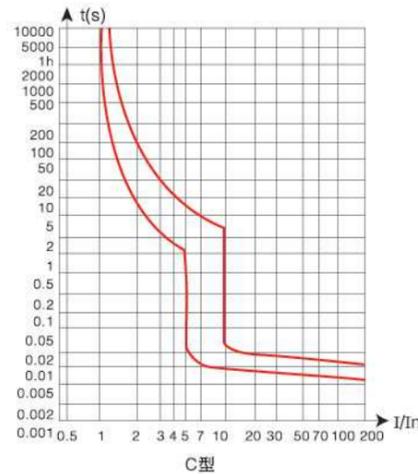
Technical Specifications of T-B32 Breakers T-B32 断路器的基本规格及参数

Rated Current of Frame Size 壳架等级 额定电流 I <sub>nm</sub> (A)	Number of Poles 极数	Frequency 频率 (Hz)	Rated Operating Voltage 额定工作电压 (I <sub>n</sub> ) A	Rated Current 额定电流 (A)	Rated Service Short-Circuit Breaking Capacity 额定运行短路分断能力(I <sub>cs</sub> )		Type of Instantaneous Trip 瞬时脱扣 型式
					Breaking Current 分断电流(A)	cosφ	
32	1P+N	50	230V	6, 10, 16, 20, 25, 32	4500	0.8	C

Range of Current for different types of instantaneous trip in T-B32 Series  
T-B32瞬时脱扣器的型式和脱扣的电流范围

Type of Instantaneous Trip 瞬时脱扣器的型式	Range of Current, T-B32 脱扣电流范围
C	5I <sub>n</sub> -10I <sub>n</sub>

Characteristic Curve of Trip 脱扣特性曲线



### 四、T-B32 Model Guide T-B32 断路器产品介绍表



Number of Poles 极数	Rated Current 额定电流 (A)	Width (in times of 9mm) 宽度位 (9mm倍数)	Packaging Unit (pc / package) 包装单位 (个/盒)	Model 产品型号 (C型)
1P+N 	6	2	12	T-B32C06
	10	2	12	T-B32C10
	16	2	12	T-B32C16
	20	2	12	T-B32C20
	25	2	12	T-B32C25
2 	32	2	12	T-B32C32

### 五、Notice Before Ordering 订货须知

Please specify Model, Rated Current, Rated Operating Voltage, and order quantity when placing orders.  
用户在订货时，必须注明断路器的规格型号，额定电流，额定工作电压，数量等。

### 一、Introduction 概述

#### 1.1 Scope of Application 适用范围

T-B32L Series Miniature Earth-Leakage Circuit Breakers are used in 50 Hz ac systems where rated voltage is 230V (single-phase), and rated current 6-32A. T-B32L breakers secure humanlife and electric equipment against electric shock or leakage by cutting off failed line. The Series can be used both as protection breakers for overloads and short-circuits and as switches for occasional line conversion or on-off operations of generators. T-B32L models are small and light, but are exquisite and easy to install and use. With the high-performance features such as high level of protection, high breaking capacity, quickactions, reliability and extended service lift, T-B32L Series breakers are widely adopted in industrial sites, commercial establishments, buildings and residential.

T-B32L Series Miniature Circuit Breakers conform to standardsactions, reliability and extended service lift, T-B32L Series breakers are widely adopted in industrial sites, commercial establishments, buildings and residential.

T-B32L Series Miniature Circuit Breakers conform to standards

T-B 32L 系列小型漏电断路器，适用于交流 50Hz、额定电压单相 230V；额定电流 6~32A 的线路中，当人身触电或电网电流超过规定值时，漏电断路器能在极短的时间内迅速切断故障电源，保护人身及用电设备的安全，同时具有过压、欠压、过载、短路等保护功能，亦可作为线路的不频繁转换及电动机的不频繁启动之用。本产品体积小，重量轻，外型美观，导轨安装，使用方便。

该断路器具有防护等级高、分断能力强、动作灵敏、可靠性好、使用寿命长等特点，适用于工业、商业、高层建筑和民用住宅等各种场所。

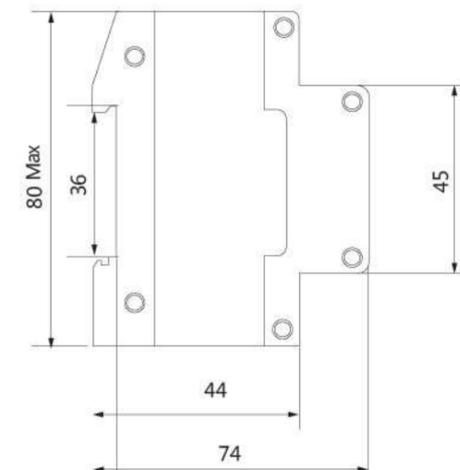
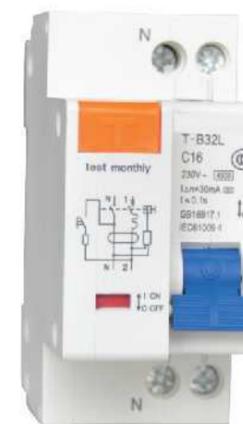
产品符合 GB 16917.1、IE C 1009.1 标准。

### 二、Model Guide 型号说明

#### 2.1 Models and Definitions 型号及其含义

T-B 32 L □ □ / □

- Rated Residual Current  
额定剩余动作电流
- Rated Operating Current  
额定工作电流
- Rated Operating Current  
瞬时脱扣器型式
- Special Code (Earth-Leakage Circuit Breaker)  
特殊派生代号 (电子式漏电断路器)
- Rated Current of Frame Size  
壳架等级额定电流
- Tember Electric (Changzhou) Co.,Ltd  
天铂电气(常州)有限公司



2.2 Identification of Product 产品标识

① Registered Trademark 注册商标  
 ② Model 产品型号  
 ③ Rated Short-Circuit Breaking Capacity 额定短路分断能力  
 ④ Conforming Standard 符合标准  
 ⑤ Conforming Standard 通断指示  
 ⑥ 3C Certification 3C 认证标志  
 ⑦ Test Button 试验按钮  
 ⑧ C Trip, Rated Current 6A 脱扣型式“C”型, 额定电流 6A  
 ⑨ Rated Voltage 额定电压  
 ⑩ Rated Residual Current 额定剩余动作电流  
 ⑪ Symbol of Leakage (AC) AC型漏电特性标记  
 ⑫ Schematic 原理图  
 ⑬ Earth leakage indicator 漏电指示

三、Schematic 性能

3.1 Types of Product 主要规格

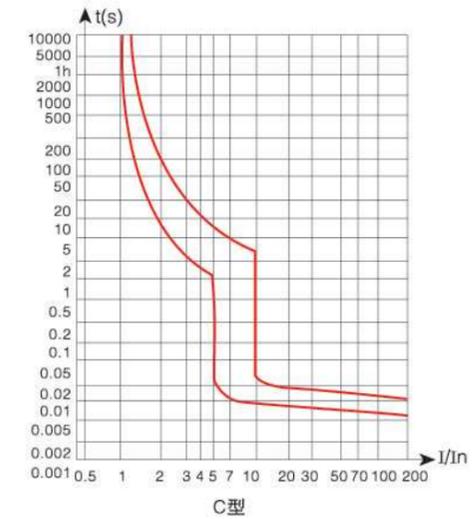
- a. By rated current 按额定电流分: 6A、10A、16A、20A、25A、32A
- b. By number of poles 按极数分: 1P+N
- c. By type of instantaneous trip 按瞬时脱扣的型式分: C型 (5~10In)
- d. By rated residual current 额定剩余动作电流: 30mA
- e. By service life 机械寿命: 20000次
- f. By breaking capacity 分断能力: 4500A
- g. By function of wiring: RK 10 or below 接线能力: 使用10mm<sup>2</sup>及以下导线

3.2 Technical Specifications 产品参数

Technical Specifications of T-B32L Breakers T-B32L断路器的基本规格及参数

Rated Current of Frame Size 壳架等级 额定电流 Inm(A)	Number of Poles 极数	Frequency 频率 (Hz)	Rated Voltage 额定电压 (Ue)	Rated Operatint Current 额定工作 电流(In)A	Breaking Capacity 分断能力 Icu(A)	cosφ	Type of Instan taneous Trip 瞬时脱扣 型式
32	1P+N	50	230V	6, 10, 16, 20, 25, 32	4500	0.8	C

Characteristic Curve of Trip 脱扣特性曲线



四、T-B32L Model Guide T-B32L 断路器产品介绍表



Number of Poles 极数	Rated Current 额定电流 (A)	Width (in times of 9mm) 宽度位 (9mm倍数)	Packaging Unit (pc / package) 包装单位 (个/盒)	Model 产品型号 (C型)
1P+N 	6	4	6	T-B32L C06/0.03
	10	4	6	T-B32L C10/0.03
	16	4	6	T-B32L C16/0.03
	20	4	6	T-B32L C20/0.03
	25	4	6	T-B32L C25/0.03
	32	4	6	T-B32L C32/0.03

五、Notice Before Ordering 订货须知

Please specify Model, Rated Current, Rated Residual Current, and order quantity when placing orders.  
 用户在订货时, 必须注明断路器的规格型号, 额定电流, 额定剩余工作电流, 数量等。

### 一、Introduction 概述

#### 1.1 Scope of Application 适用范围

T-B63 Series Miniature Circuit Breakers are used in 50 Hz ac systems where rated voltage is 230V (single-phase) / 400V (three-phase) or below, and rated current 1-63A. The Series can be used both as protection breakers for overloads and short-circuits and as switches for occasional on-off operations in power distribution facilities and electrical equipment in buildings and similar places. But make it a single magnetic tripping instantaneous dynamic type. At the same time, to meet customer demand for dc system, the company launched the new T-B63Z series dc type miniature circuit breaker.

With the high-performance features such as high level of protection, high breaking capacity, quick actions, reliability and extended service life,

T-B63 Series Miniature Circuit Breakers conform to standards of GB 10963 and IEC 60898.

T-B63系列小型断路器，适用于交流50Hz，额定电压单相230V，三相400V及以下，额定电流1~63A的线路中，用来对建筑物和类似场所的线路设施和电气设备进行过载和短路保护，亦可用于不频繁的通断操作。为满足消防应急等特殊场合需求，可做成单磁脱扣瞬动型，脱扣不跳闸。

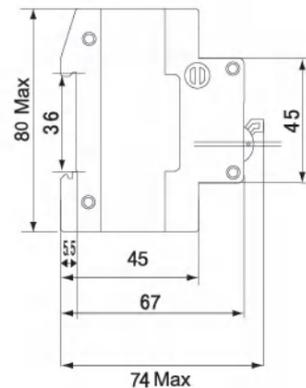
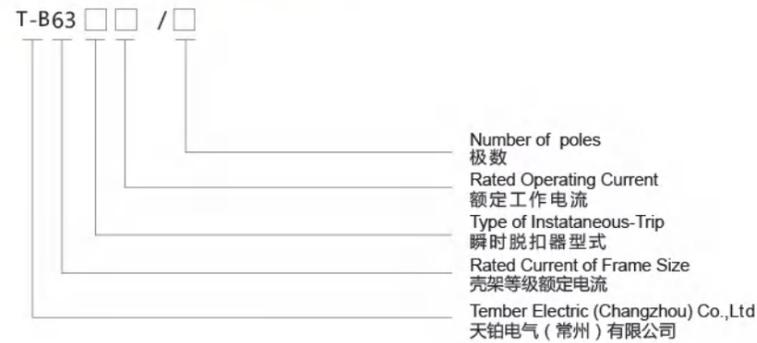
同时，为满足客户对直流系统的要求，本公司新推出T-B63Z系列直流型小型断路器。

该断路器具有防护等级高、分断能力强、动作灵敏、可靠性好、使用寿命长等特点，适用于工业、商业、高层建筑和民用住宅等各种场所。

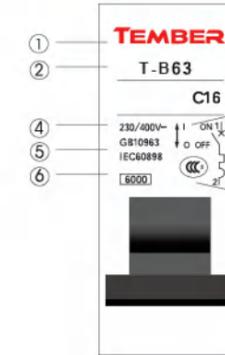
该产品符合GB10963 IEC60898标准

### 二、Model Guide 型号说明

#### 2.1 Models and Definitions 型号及其含义



### 2.2 Identification of Product 产品标识



- Registered Trademark 注册商标
- Model 产品型号
- C Trip, Rated Current 16A 脱扣型式“C”型，额定电流16A
- Rated Voltage 额定电压
- Conforming Standard 符合标准
- Rated Short-Circuit Breaking Capacity 额定短路分断能力
- Electric Symbol 电气符号
- On-off Indicator 通断指示
- 3C Certification 3C认证标志

### 2.3 Standard Operating Conditions 正常工作条件

- Installation height not above 2000m. 安装地点海拔高度不超过2000m。
- Ambient temperature between -5°C and +40°C. Average temperature (24h) not above +35°C. 周围空气温度不超过+40°C，下限不低于-5°C，且其24h内的平均温度不超过+35°C。
- Relative humidity not above 50% when max temperature is +40°C. Higher relative humidity is allowed for lower ambient temperatures. 安装地点最高温度为+40°C时，空气的相对湿度不超过50%，在较低的温度下可以允许有较高的相对湿度。
- Level of pollution: 2. 污染等级：2
- Mode of installation: II, III. 安装类别：II、III
- Install vertically. Power is switched on when handle is pushed up and red indicator is shown. 断路器应垂直安装，手柄向上窗口红色为接通电源位置。
- No significant vibration in installation site. 安装处应无显著冲击和振动。

### 三、Specification 性能

#### 3.1 Types of Product 主要规格

- By rated current 按额定电流：1A、3A、6A、10A、16A、20A、25A、32A、40A、50A、63A
- By number of poles 按极数分：1P、1P+N、2P、3P、4P
- By type of instantaneous trip 按瞬时脱扣的型式分：C型（5In~10In）、D型（10In~20In）
- By function of wiring: standard bus bar directly in (only for RK 25 or below) 具有双功能接线能力：适用25mm<sup>2</sup>及以下导线，标准汇流排直接接入

#### 3.2 Technical Specifications 产品参数

Rated Current Of Frame Size 壳架等级 额定电流 Inm(A)	Number of Poles 极数	Neutral Line 加中性线	Frequency 频率 (Hz)	Rated Voltage 额定电压 (V)	Rated Voltage 额定电流 (A)	Rated Service Short-Circuit Breaking Capacity 额定运行短路分断能力(Ics)		Type of Instantaneous Trip 瞬时脱扣型式
						Breaking Current 分断电流(A)	cosφ	
63	1		50	230, 230/400	1, 3 6, 10, 16 20, 25 32, 40	6000	0.65 - 0.7	C, D
	1	N		230				
	2			230, 400				
	3			400				
	1		50	230, 230/400	50, 63	4500	0.75 - 0.8	C, D
	1	N		230				
	2			230, 400				
	3			400				

### 四、T-B63 Model Guide T-B63断路器产品介绍表

T-B Range of Current for different types of instantaneous trip in T-B Series 瞬时脱扣器的型式和脱扣的电流范围

Type of Instantaneous Trip 瞬时脱扣器的型式	Range of Current, T-B63 T-B63 脱扣电流范围
C	5In-10In
D	10In-20In

Characteristic Curve of Trip 脱扣特性曲线

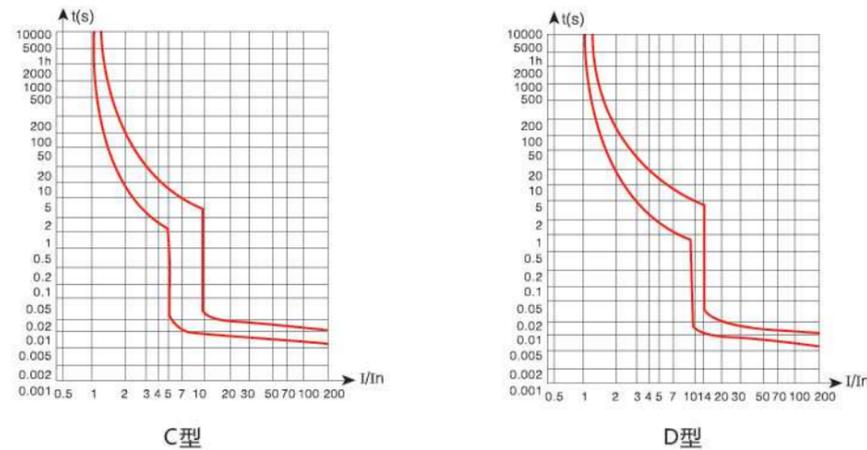


Table of Coefficient of Temperature Correction 温度升温修正系数表

Rated Current 额定电流(A)	30°C	35°C	40°C	45°C	50°C	55°C	60°C
6	6	5.5	5.2	4.9	4.5	4.1	3.7
10	10	9.3	8.7	7.9	7.4	6.9	6.3
16	16	14.5	13	12.5	11.5	10.5	9.5
20	20	18	17	16.5	15.5	14.5	13.5
25	25	23	22	20.5	19	18	17
32	32	29.5	27.5	25.5	23.5	21.5	19.5
40	40	37	34.5	32.5	29.5	27.5	24.5
50	50	46.5	43.5	40.5	37.5	34.5	31.5
63	63	58.5	54.5	50.5	47.5	43.5	39.5

Number of Poles 极数	Rated Current 额定电流 (A)	Width (in times of 9mm) 宽度 (9mm倍数)	Width (in times of 9mm) 包装单位 (个/盒)	Model 产品型号 (C、D型)
	1	2	12	T-B 63C01
	3	2	12	T-B 63C03
	6	2	12	T-B 63C06
	10	2	12	T-B 63C10
	16	2	12	T-B 63C16
	20	2	12	T-B 63C20
	25	2	12	T-B 63C25
	32	2	12	T-B 63C32
	40	2	12	T-B 63C40
	50	2	12	T-B 63C50
63	2	12	T-B 63C63	
	1	4	6	T-B 63C01N
	3	4	6	T-B 63C03N
	5	4	6	T-B 63C05N
	6	4	6	T-B 63C06N
	10	4	6	T-B 63C10N
	16	4	6	T-B 63C16N
	20	4	6	T-B 63C20N
	25	4	6	T-B 63C25N
	32	4	6	T-B 63C32N
	40	4	6	T-B 63C40N
50	4	6	T-B 63C50N	
63	4	6	T-B 63C63N	
	1	4	6	T-B 63C01/2
	3	4	6	T-B 63C03/2
	5	4	6	T-B 63C05/2
	6	4	6	T-B 63C06/2
	10	4	6	T-B 63C10/2
	16	4	6	T-B 63C16/2
	20	4	6	T-B 63C20/2
	25	4	6	T-B 63C25/2
	32	4	6	T-B 63C32/2
	40	4	6	T-B 63C40/2
50	4	6	T-B 63C50/2	
63	4	6	T-B 63C63/2	
	1	6	4	T-B 63C01/3
	3	6	4	T-B 63C03/3
	5	6	4	T-B 63C05/3
	6	6	4	T-B 63C06/3
	10	6	4	T-B 63C10/3
	16	6	4	T-B 63C16/3
	20	6	4	T-B 63C20/3
	25	6	4	T-B 63C25/3
	32	6	4	T-B 63C32/3
	40	6	4	T-B 63C40/3
50	6	4	T-B 63C50/3	
63	6	4	T-B 63C63/3	
	1	8	3	T-B 63C01/4
	3	8	3	T-B 63C03/4
	6	8	3	T-B 63C06/4
	10	8	3	T-B 63C10/4
	16	8	3	T-B 63C16/4
	20	8	3	T-B 63C20/4
	25	8	3	T-B 63C25/4
	32	8	3	T-B 63C32/4
	40	8	3	T-B 63C40/4
	50	8	3	T-B 63C50/4
63	8	3	T-B 63C63/4	

### 五、Notice Before Ordering 订货须知

Please specify Model, Rated Current, Rated Operating Voltage, Number of Poles, Type of Instantaneous Trip, and order quantity when placing orders.

用户在订货时，必须注明断路器的规格型号，额定电流，额定工作电压，极数，瞬时脱扣类型，数量等。

### 一、Introduction 概述

#### 1.1 Scope of Application 适用范围

T-B63L Series Miniature Earth-Leakage Circuit Breakers are used in 50 Hz ac systems where rated voltage is 230V (single-phase) / 400V (three-phase) or below, and rated current 1-63A. T-B63L breakers secure human life and electric equipment against electric shock or leakage by cutting off failed line. The Series can be used both as protection breakers for overloads and short-circuits and as switches for occasional line conversion or on-off operations of generators. T-B63L models are small and light, but are exquisite and easy to install and use.

With the high-performance features such as high level of protection, high-occasional line conversion or on-off operations of generators. T-B63L models are small and light, but are exquisite and easy to install and use.

With the high-performance features such as high level of protection, high

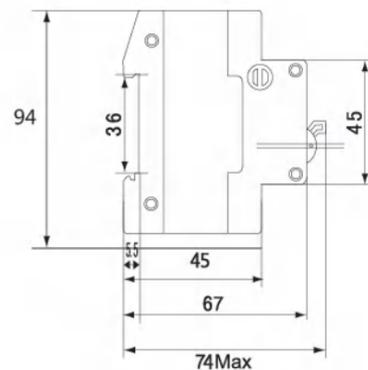
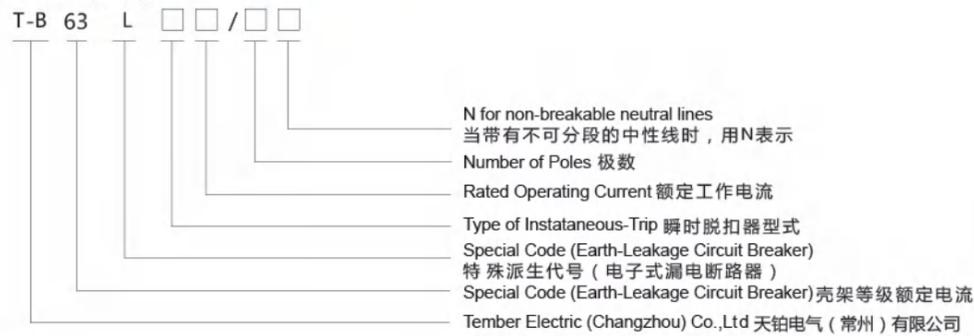
T-B 63L 系列小型漏电断路器，适用于交流 50Hz，额定电压单相 230V；三相 400V 及以下，额定电流 1~63A 的线路中，作为人身触电或电网泄漏电流超过规定值时，漏电断路器能在极短的时间内同时切断故障电源，保护人身及用电设备的安全，同时具有过载、短路等保护功能，亦可作为线路的不频繁转换及电动机的不频繁启动之用。本产品体积小，重量轻，外型美观，导轨安装，使用方便。

该断路器具有防护等级高、分断能力强、动作灵敏、可靠性好、使用寿命长等特点，适用于工业、商业、高层建筑和民用住宅等各种场所。

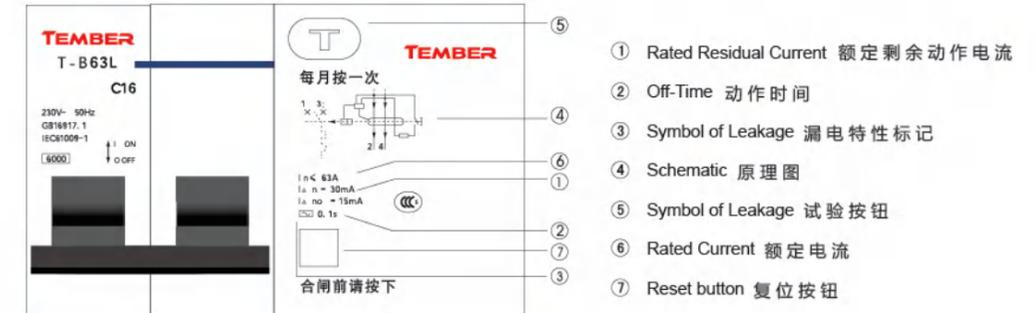
该产品符合 GB 16917.1 IEC 61009-1 标准

### 二、Model Guide 型号说明

#### 2.1 Models and Definitions 型号及其含义



#### 2.2 Identification of Product 产品标识



#### 2.3 Standard Operating Conditions 正常工作条件

- Installation height not above 2000m.
- Ambient temperature between -5°C and +40°C. Average temperature (24h) not above +35°C.
- Relative humidity not above 50% when max temperature is +40°C. Higher relative humidity is allowed for lower ambient temperatures.
- Strength of external magnetic field should not exceed 5 times of that of earth's field anywhere in the installation site.
- Install vertically. Power is switched on when handle is pushed up and red indicator is shown.
- No significant vibration in installation site.
- 安装地点海拔高度不超过 2000m。
- 周围空气温度不超过 +40°C，下限不低于 -5°C，且其 24h 内的平均温度不超过 +35°C。
- 安装地点最高温度为 +40°C 时，空气的相对湿度不超过 50%，在较低的温度下可以允许有较高的相对湿度。
- 安装场所的外磁场，在任何地方不应超过地磁场的 5 倍。
- 漏电断路器应垂直安装，手柄向上窗口红色为接通电源位置。
- 安装处应无显著冲击和振动。

### 三、Specification 性能

#### 3.1 Types of Product 主要规格

- By rated current 按额定电流分：1A、3A、6A、10A、16A、20A、25A、32A、40A、50A、63A
- By number of poles .... 按极数分：1PN、2P、3P、3PN、4P (其中 1PN、2P 具有带过压和不带过压两种型式产品) (With or without overvoltage for 1PN and 2P)
- By residual current 额定剩余动作电流：30mA
- By service life 机械寿命：20000 次
- By breaking capacity 分断能力：6000A (≤ 40A)；4500A (50, 63A)
- By function of wiring: RK 25 or below 接线能力：不大于 25mm<sup>2</sup> 导线。

### 3.2 Technical Specifications 产品参数

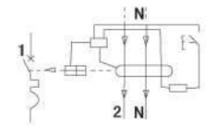
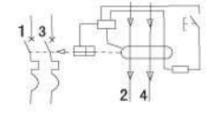
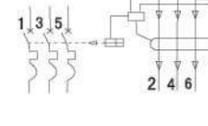
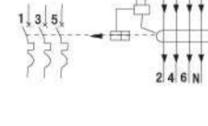
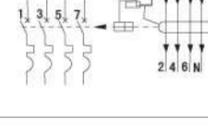
Technical Specifications of T-B63L Breakers T-B63L断路器的基本规格及参数

Rated Current of Frame Size 壳架等级 额定电流 In(A)	Number of Poles 极数	Neutral Lines 加中性线	Rated Current 额定电流 In(A)	Rated Breaking Capacity 额定断路通断能力			Type of Overcurrent Instantaneous Trip 过电流 瞬时脱扣 型式
				Voltage 电压(V)	Breaking Capacity 通断能力 Im(A)	cosφ	
63	1	N	1、3、6、 10、16、 25、32	230	6000	0.8	C、D
	2			230、400			
	3	N		400			
	4						
63	1	N	40、50、63	230	4500	0.8	C、D
	2			230、400			
	3	N		400			
	4						

Table of Coefficient of Temperature Correction 温度升温修正系数表

Rated Current 额定电流 (A)	30°C	35°C	40°C	45°C	50°C	55°C	60°C
6	6	5.5	5.2	4.9	4.5	4.1	3.7
10	10	9.3	8.7	7.9	7.4	6.9	6.3
16	16	14.5	13	12.5	11.5	10.5	9.5
20	20	18	17	16.5	15.5	14.5	13.5
25	25	23	22	20.5	19	18	17
32	32	29.5	27.5	25.5	23.5	21.5	19.5
40	40	37	34.5	32.5	29.5	27.5	24.5
50	50	46.5	43.5	40.5	37.5	34.5	31.5
63	63	58.5	54.5	50.5	47.5	43.5	39.5

### 四、T-B63L Model Guide T-B63L 断路器产品介绍表

Number of Poles 极数	Rated Current 额定电流 (A)	Width (in times of 9mm) 宽度 / 位 (9mm 倍数)	Packaging Unit (pc / package) 包装单位 (个/盒)	Model 产品型号 (C、D型)
1PN 	1	5	6	T-B63LC01/N
	3	5	6	T-B63LC03/N
	5	5	6	T-B63LC05/N
	6	5	6	T-B63LC06/N
	10	5	6	T-B63LC10/N
	16	5	6	T-B63LC16/N
	20	5	6	T-B63LC20/N
	25	5	6	T-B63LC25/N
	32	5	6	T-B63LC32/N
	40	6	5	T-B63LC40/N
	50	6	5	T-B63LC50/N
63	6	5	T-B63LC63/N	
2P 	1	7	4	T-B63LC01/2
	3	7	4	T-B63LC03/2
	5	7	4	T-B63LC05/2
	6	7	4	T-B63LC06/2
	10	7	4	T-B63LC10/2
	16	7	4	T-B63LC16/2
	20	7	4	T-B63LC20/2
	25	7	4	T-B63LC25/2
	32	7	4	T-B63LC32/2
	40	8	4	T-B63LC40/2
	50	8	4	T-B63LC50/2
63	8	4	T-B63LC63/2	
3P 	1	10	2	T-B63LC01/3
	3	10	2	T-B63LC03/3
	5	10	2	T-B63LC05/3
	6	10	2	T-B63LC06/3
	10	10	2	T-B63LC10/3
	16	10	2	T-B63LC16/3
	20	10	2	T-B63LC20/3
	25	10	2	T-B63LC25/3
	32	10	2	T-B63LC32/3
	40	11.5	2	T-B63LC40/3
	50	11.5	2	T-B63LC50/3
63	11.5	2	T-B63LC63/3	
3PN 	1	11	2	T-B63LC01/3N
	3	11	2	T-B63LC03/3N
	5	11	2	T-B63LC05/3N
	6	11	2	T-B63LC06/3N
	10	11	2	T-B63LC10/3N
	16	11	2	T-B63LC16/3N
	20	11	2	T-B63LC20/3N
	25	11	2	T-B63LC25/3N
	32	11	2	T-B63LC32/3N
	40	13	2	T-B63LC40/3N
	50	13	2	T-B63LC50/3N
63	13	2	T-B63LC63/3N	
4P 	1	13	2	T-B63LC01/4
	3	13	2	T-B63LC03/4
	5	13	2	T-B63LC05/4
	6	13	2	T-B63LC06/4
	10	13	2	T-B63LC10/4
	16	13	2	T-B63LC16/4
	20	13	2	T-B63LC20/4
	25	13	2	T-B63LC25/4
	32	13	2	T-B63LC32/4
	40	15	2	T-B63LC40/4
	50	15	2	T-B63LC50/4
63	15	2	T-B63LC63/4	

### 五、Notice Before OrderingPlease 订货须知

specify Model, Rated Current, Rated Operating Voltage, Number of Poles, Type of Instantaneous Trip, Rated Residual Current, and order quantity when placing orders.

用户在订货时，必须注明断路器的规格型号，额定电流，额定工作电压，极数，瞬时脱扣类型，额定剩余动作电流，数量等。

### 一、Introduction 概述

#### 1.1 Scope of Application 适用范围

T-B100 Series Miniature Circuit Breakers are used in 50 Hz ac systems where rated voltage is 230V (single-phase) / 400V (three-phase) or below, and rated current 50-100A. The Series can be used both as protection breakers for overloads and short-circuits and as switches for occasional on-off operations in power distribution facilities and electrical equipment in buildings and similar places.

With the high-performance features such as high level of protection, high breaking capacity, quick actions, reliability and extended service life, T-B100 Series breakers are widely adopted in industrial sites, commercial establishments, buildings and residential.

T-B100 Series Miniature Circuit Breakers conform to standards of GB 14048.2 and IEC 60947-2.

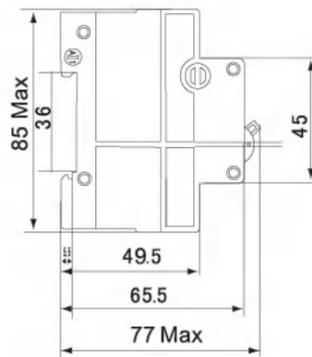
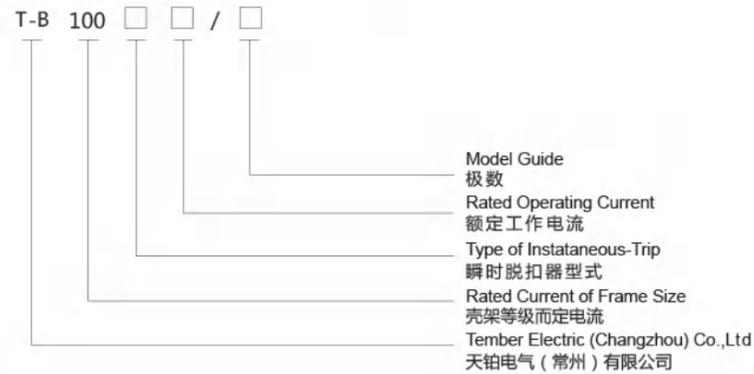
T-B100 系列小型断路器，适用于交流 50Hz，额定电压单相 230V，三相 400V 及以下，额定电流 50~100A 的线路中，用来对建筑物和类似场所的线路设施和电气设备进行过载和短路保护，亦可用于不频繁的通断操作。

该断路器具有防护等级高、分断能力强、动作灵敏、可靠性好、使用寿命长等特点，适用于工业、商业、高层建筑和民用住宅等各种场所。

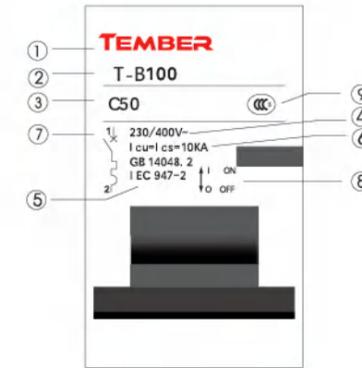
该产品符合 GB 14048.2 IEC 60947-2 标准

### 二、Model Guide 型号说明

#### 2.1 Models and Definitions 型号及其含义



### 2.2 Identification of Product 产品标识



- ① Registered Trademark 注册商标
- ② Model 产品型号
- ③ C Trip, Rated Current 50A 脱扣型式“C”型，额定电流 50A
- ④ Rated Voltage 额定电压
- ⑤ Conforming Standard 符合标准
- ⑥ Rated Short-Circuit Breaking Capacity 额定短路分断能力
- ⑦ Electronic Symbol 电气符号
- ⑧ On-off Indicator 通断指示
- ⑨ 3C Certification 3C 认证标志

### 2.3 Standard Operating Conditions 正常工作条件

- Installation height not above 2000m. 安装地点海拔高度不超过 2000m。
- Ambient temperature between -5°C and +40°C. Average temperature (24h) not above +35°C. 周围空气温度不超过 +40°C，下限不低于 -5°C，且其 24h 内的平均温度不超过 +35°C。
- Relative humidity not above 50% when max temperature is +40°C. Higher relative humidity is allowed for lower ambient temperatures. 安装地点最高温度为 +40°C 时，空气的相对湿度不超过 50%，在较低的温度下可以允许有较高的相对湿度。
- Level of pollution: 2. 污染等级：2
- Mode of installation: II, III. Install vertically. Power is switched on when handle is pushed up and red indicator is shown. No significant vibration in installation site. 安装类别：II、III 断路器应垂直安装，手柄向上窗口红色为接通电源位置。安装处应无显著冲击和振动。

### 三、Specification 性能

#### 3.1 Types of Product 主要规格

- a. By rated current 按额定电流分：50A、63A、80A、100A
- b. By number of poles 按极数分：1P、2P、3P、4P
- c. By type of instantaneous trip 按瞬时脱扣的型式分：C 型 (6.4In ~ 9.6In)、D 型 (10In ~ 20In)
- d. By function of wiring: flexible wire RK 35 or below; rigid wire RK 50 or below 接线能力：软线 35mm<sup>2</sup> 及以下导线，硬线 50mm<sup>2</sup> 及以下导线
- e. By breaking capacity 分断能力：10kA
- f. By service life 机械寿命：10000 次

#### 3.2 Technical Specifications 产品参数

Technical Specifications of T-B100 breakers T - B 100 断路器的基本规格及参数

Rated Current of Frame Size 壳架等级 额定电流 Inm(A)	Number of Poles 极数	Frequency 频率 (Hz)	Rated Voltage 额定电压 (V)	Rated Current 额定电流 (A)	Rated Service Short-Circuit Breaking Capacity 额定运行短路分断能力(Ics)		Type of Instantaneous Trip 瞬时脱扣型式
					Breaking Current 分断电流(A)	cosφ	
100	1	50	230, 230/400	50, 63, 80, 100	10000	0.5	C, D
	2		230, 400				
	3		400				
	4		400				

Range of Current for different types of instantaneous trip in T-B Series  
T-B 瞬时脱扣器的型式和脱扣的电流范围

Type of Instantaneous Trip 瞬时脱扣器的型式	Range of Current, SDX2-100 T-B 100脱扣电流范围
C	6.4In-9.6In
D	10In-20In

Characteristic Curve of Trip 脱扣特性曲线

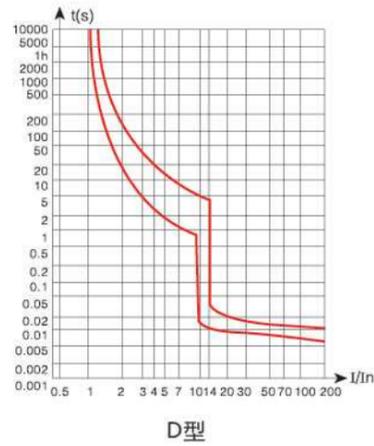
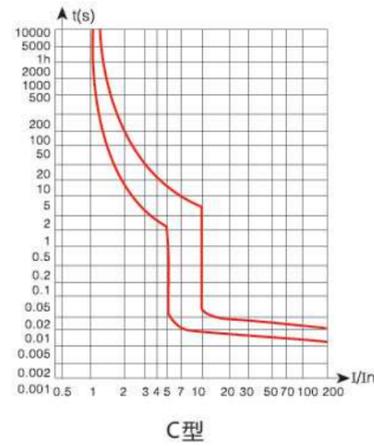


Table of Coefficient of Temperature Correction 温度升温修正系数表

Rated Current 额定电流 (A)	30°C	35°C	40°C	45°C	50°C	55°C	60°C
50	50	46.5	43.5	40.5	37.5	34.5	31.5
63	63	58.5	54.5	50.5	47.5	43.5	39.5
80	80	75	71	67	63	59	55
100	100	94	89	84	79	74	69

### 四、T-B100 Model Guide T-B100 断路器产品介绍表



Number of Poles 极数	Rated Current 额定电流 (A)	Width (in times of 9mm) 宽度 (9mm倍数)	Packaging Unit (pc / package) 包装单位 (个/盒)	Model 产品型号 (C、D型)
1P	50	3	8	T-B100/C50
	63	3	8	T-B100/C63
	80	3	8	T-B100/C80
	100	3	8	T-B100/C100



2P	50	6	4	T-B100/C50/2
	63	6	4	T-B100/C63/2
	80	6	4	T-B100/C80/2
	100	6	4	T-B100/C100/2



3P	50	9	2	T-B100/C50/3
	63	9	2	T-B100/C63/3
	80	9	2	T-B100/C80/3
	100	9	2	T-B100/C100/3



4P	50	12	2	T-B100/C50/4
	63	12	2	T-B100/C63/4
	80	12	2	T-B100/C80/4
	100	12	2	T-B100/C100/4

### 五、Notice Before Ordering 订货须知

Please specify Model, Rated Current, Rated Operating Voltage, Number of Poles, Type of Instantaneous Trip, and order quantity, when placing orders.

用户在订货时，必须注明断路器的规格型号，额定电流，额定工作电压，极数，瞬时脱扣类型，数量等。

### 一、Introduction 概述

#### 1.1 Scope of Application 适用范围

T-B100L Series Miniature Earth-Leakage Circuit Breakers are used in 50 Hz ac systems where rated voltage is 230V (single-phase) / 400V (three-phase) or below, and rated current 50-100A. T-B63L breakers secure human life and electric equipment against electric shock or leakage by cutting off failed line. The Series can be used both as protection breakers for overloads and short-circuits and as switches for occasional line conversion or on-off operations of generators. T-B100L models are small and light, but are exquisite and easy to install and use.

With the high-performance features such as high level of protection, high breaking capacity, quick actions, reliability and extended service life, T-B100L Series breakers are widely adopted in industrial sites, commercial establishments, buildings and residential.

T-B100L Series Miniature Circuit Breakers conform to standards of GB 16917.1 and IEC 61009-1.

T-B 100L 系列小型漏电断路器，适用于交流 50Hz、额定电压单相 230V；三相 400V 及以下，额定电流 50~100A 的线路中，作为人身触电或电网泄漏电流超过规定值时，漏电断路器能在极短的时间内同时切断故障电源，保护人身及用电设备的安全，同时具有过载、短路等保护功能，亦可作为线路的不频繁转换及电动机的不频繁启动之用。本产品体积小，重量轻，外型美观，导轨安装，使用方便。

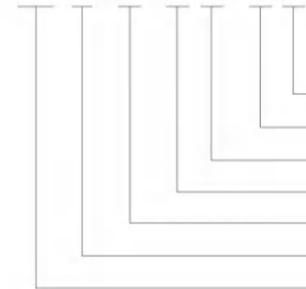
该断路器具有防护等级高、分断能力强、动作灵敏、可靠性好、使用寿命长等特点，适用于工业、商业、高层建筑和民用住宅等各种场所。

该产品符合 GB 16917.1 IEC 1009.1 标准

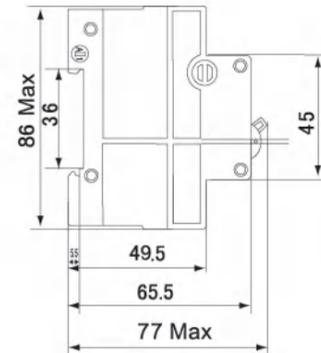
### 二、Model Guide 型号说明

#### 2.1 Models and Definitions 型号及其含义

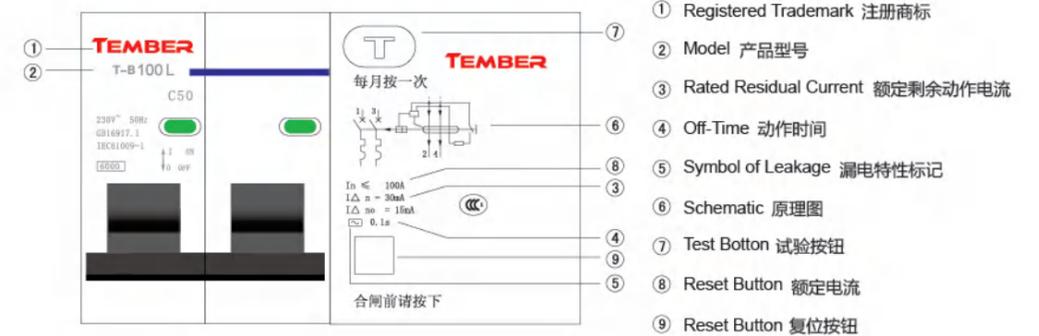
T-B 100 L □ □ / □ □



- N for non-breakable neutral lines  
当带有不可分段的中性线时，用N表示
- Model Guide 极数
- Rated Operating Current 额定工作电流
- Type of Instantaneous-Trip 瞬时脱扣器型式
- Special Code (Earth-Leakage Circuit Breaker)  
特殊派生代号 (电子式漏电断路器)
- Rated Current of Frame Size 壳架等级额定电流
- Tember Electric (Changzhou) Co., Ltd  
天铂电气(常州)有限公司



### 2.2 Identification of Product 产品标识



- ① Registered Trademark 注册商标
- ② Model 产品型号
- ③ Rated Residual Current 额定剩余动作电流
- ④ Off-Time 动作时间
- ⑤ Symbol of Leakage 漏电特性标记
- ⑥ Schematic 原理图
- ⑦ Test Button 试验按钮
- ⑧ Reset Button 额定电流
- ⑨ Reset Button 复位按钮

### 2.3 Standard Operating Conditions 正常工作条件

- Installation height not above 2000m.
- Ambient temperature between -5°C and +40°C. Average temperature (24h) not above +35°C.
- Relative humidity not above 50% when max temperature is +40°C. Higher relative humidity is allowed for lower ambient temperatures.
- Strength of external magnetic field should not exceed 5 times of that of earth's field anywhere in the installation site.
- Install vertically. Power is switched on when handle is pushed up and red indicator is shown.
- No significant vibration in installation site.
- 安装地点海拔高度不超过 2000m。
- 周围空气温度不超过 +40°C，下限不低于 -5°C，且其 24h 内的平均温度不超过 +35°C。
- 安装地点最高温度为 +40°C 时，空气的相对湿度不超过 50%，在较低的温度下可以允许有较高的相对湿度。
- 安装场所的外磁场，在任何地方不应超过地磁场的 5 倍。
- 漏电断路器应垂直安装，手柄向上窗口红色为接通电源位置。
- 安装处应无显著冲击和振动。

### 三、Specification 性能

#### 3.1 Types of Product 主要规格

- a. By rated current 按额定电流分：50A、63A、80A、100A
- b. By number of poles .... (With or without overvoltage for 1PN and 2P)  
按极数分：1PN、2P、3P、3PN、4P
- c. By residual current 额定剩余动作电流：30mA、100mA、300mA
- d. By service life 机械寿命：10000 次
- e. By breaking capacity 分断能力：10kA
- f. By function of wiring: flexible wire RK 35 or below; rigid wire RK 50 or below  
接线能力：软线：35mm<sup>2</sup>及以下导线；硬线：50mm<sup>2</sup>及以下导线。

### 3.2 Technical Specifications 产品参数

#### The Choice of Sensitivity 灵敏度的选择

Choosing a proper earth-leakage circuit breaker rests with the practical use or the required level of protection.  
漏电断路器选择取决于实际的应用或所要求保护的等级

Tripping-Current: Tripping-current is designed to prevent indirect shock, or to meet other special requirements of IEE wiring standards.  
脱扣电流 脱扣电流是为了防止间接触电而设计的，或按照IEE导线规则的特殊要求。

30mA: High sensitivity, as a supplement to protect human life from direct shock  
30mA 高灵敏适用于人身保护，可作为直接接触电击的补充保护

100mA, 300mA: Low sensitivity to protect huge electrical equipment with high leakage current from fire  
100mA、300mA 低灵敏度适用于带有高位漏电电流的大设备。（线路防火）

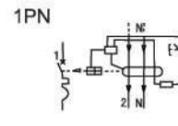
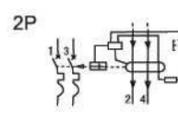
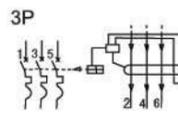
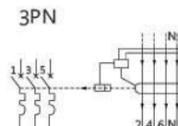
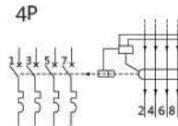
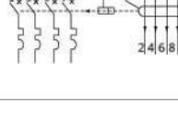
Rated current frame degree 壳架等级 额定电流 In(A)	Number of Poles 极数	Plus neutral 加中性线	Rated Current 额定电流 In(A)	The rated breaking through breaking capacity 额定断路通断能力			Trip type 过电流瞬时 脱扣型式
				Voltage 电压(V)	And breaking Capacity 通断能力Im(A)	cosφ	
100	1	N	50, 63, 80, 100	230	10000	0.5	C、D
	2			230, 400			
	3			400			
	3	N					
	4						

Table of Coefficient of Temperature Correction 温度升温修正系数表

Rated Current 额定电流(A)	30°C	35°C	40°C	45°C	50°C	55°C	60°C
50	50	46.5	43.5	40.5	37.5	34.5	31.5
63	63	58.5	54.5	50.4	47.5	43.5	39.5
80	80	75	71	67	63	59	55
100	100	94	89	84	79	74	69

### 四、T-B100L Model Guide T-B100L 断路器产品介绍表

With rated residual current of 30mA, 100mA, 300mA.  
以下产品均有额定剩余动作电流30mA、100mA、300mA可供用户任意选择。

Number of Poles 极数	Rated Current 额定电流 (A)	Width (in times of 9mm) 宽度位 (9mm倍数)	Packaging Unit (pc / package) 包装单位 (个/盒)	Model 产品型号 (C、D型)
 1PN	50	9	3	T-B100LC50N/0.03(0.1, 0.3)
	63	9	3	T-B100LC63N/0.03(0.1, 0.3)
	80	9	3	T-B100LC80N/0.03(0.1, 0.3)
	100	9	3	T-B100LC100N/0.03(0.1, 0.3)
 2P	50	12	2	T-B100LC50/2/0.03(0.1, 0.3)
	63	12	2	T-B100LC63/2/0.03(0.1, 0.3)
	80	12	2	T-B100LC80/2/0.03(0.1, 0.3)
 3P	50	17	1	T-B100LC50/3/0.03(0.1, 0.3)
	63	17	1	T-B100LC63/3/0.03(0.1, 0.3)
	80	17	1	T-B100LC80/3/0.03(0.1, 0.3)
 3PN	50	19	1	T-B100LC50/3N/0.03(0.1, 0.3)
	63	19	1	T-B100LC63/3N/0.03(0.1, 0.3)
	80	19	1	T-B100LC80/3N/0.03(0.1, 0.3)
 4P	50	22	1	T-B100LC50/4/0.03(0.1, 0.3)
	63	22	1	T-B100LC63/4/0.03(0.1, 0.3)
	80	22	1	T-B100LC80/4/0.03(0.1, 0.3)
 100	100	22	1	T-B100LC100/4/0.03(0.1, 0.3)



### 五、Notice Before Ordering 订货须知

Please specify Model, Rated Current, Rated Operating Voltage, Number of Poles, Type of Instantaneous Trip, Rated Residual Current, and order quantity when placing orders.

用户在订货时，必须注明断路器的规格型号，额定电流，额定工作电压，极数，瞬时脱扣类型，额定剩余动作电流，数量等。

### 一、Introduction 概述

#### 1.1 Scope of Application 适用范围

T-B100K Series Disconnectors are used in 50 Hz ac systems where rated voltage is 230V (single-phase) / 400V (three-phase), and rated current up to 100A. The disconnectors can be used as on-off switches for loaded electrical equipment and lighting circuit.

With the high-performance features such as high level of protection, ease of use, and extended service life, T-B100K Series breakers are widely adopted in industrial sites, commercial establishments, buildings and residential.

T-B100K Series Disconnectors conform to standards of GB 14048.3 and IEC 60947-3.

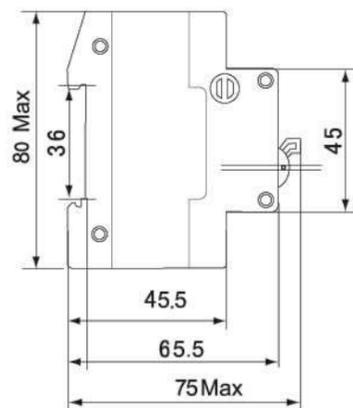
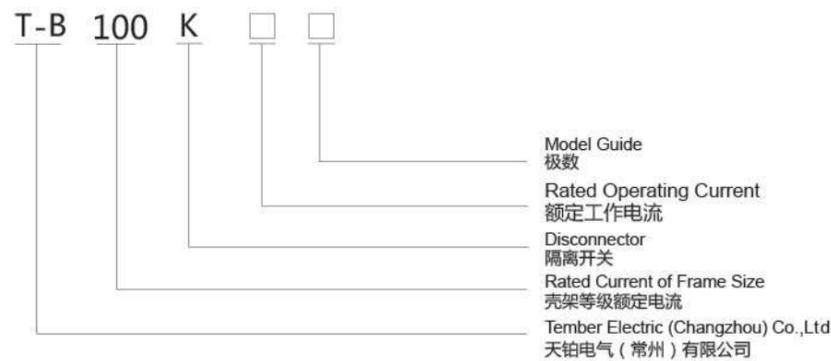
T-B 100K 系列隔离开关，适用于交流 50Hz、额定电压单相 230V；三相 400V 及以下，额定电流至 100A，在负载情况下不频繁地通断电器装置和照明线路。

该隔离开关具有防护等级高、使用方便，寿命长等特点，适用于工业、商业、民用住宅等各种场所。

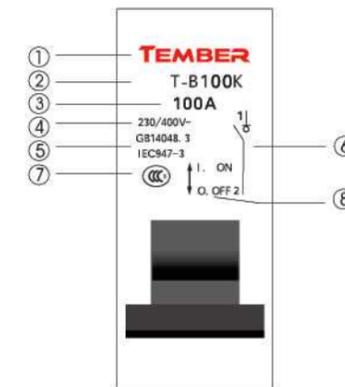
该产品符合 GB 14048.3、IEC 60947-3 标准。

### 二、Model Guide 型号说明

#### 2.1 Models and Definitions 型号及其含义



### 2.2 Identification of Product 产品标识



- ① Registered Trademark 注册商标
- ② Model 产品型号
- ③ Rated Current 100A 额定电流 100 A
- ④ Rated Voltage 额定电压
- ⑤ Conforming Standard 符合标准
- ⑥ Electronic Symbol 电气符号
- ⑦ 3C Certification 3C 认证标志
- ⑧ On-Off Indicator 通断指示

### 2.3 Standard Operating Conditions 正常工作条件

- Installation height not above 2000m.
- Ambient temperature between -5°C and +40°C. Average temperature (24h) not above +35°C.
- Relative humidity not above 50% when max temperature is +40°C. Higher relative humidity is allowed for lower ambient temperatures.
- 安装地点海拔高度不超过 2000m。
- 周围空气温度不超过 +40°C，下限不低于 -5°C，且其 24h 内的平均温度不超过 +35°C。
- 安装地点最高温度为 +40°C 时，空气的相对湿度不超过 50%，在较低的温度下可以允许有较高的相对湿度。

### 三、Specification 性能

#### 3.1 Types of Product 主要规格

- a. By rated current
- a. 按额定电流分：32A、63、80A、100A
- b. By number of poles
- b. 按极数分：1P、2P、3P、4P
- c. Icw Rated short time withstand current: 12Ie, current "on" for 1s
- c. Icw 额定短时耐受电流：12Ie，通电时间为 1S
- d. Icm Rated short-circuit making capacity: 20Ie, current "on" for 0.1s
- d. Icm 额定短路接通能力：20Ie，通电时间为 0.1S
- e. Service life: ≥10000 times (idled for 8500times and loaded 1500 times)
- e. 机械电气寿命：≥ 10000 次 (空载 8500 次，有载 1500 次)
- COS φ = 0.8，操作频率为 120 次/小时
- f. Use Class: AC22
- f. 使用类别：AC22
- g. Function of wiring: RK 50 or below
- g. 接线能力：不大于 50mm<sup>2</sup> 导线

### 四、T-B100K Model Guide T-B 100K 隔离开关产品介绍表

Number of Poles 极数	Rated Current 额定电流 (A)	Width (in times of 9mm) 宽度 (9mm 倍数)	Width (in times of 9mm) 包装单位 (个/盒)	Model 产品型号
1P 	32	2	12	T-B100K/32
	63	2	12	T-B100K/63
	80	2	12	T-B100K/80
	100	2	12	T-B100K/100
2P 	32	4	6	T-B100K/32/2
	63	4	6	T-B100K/63/2
	80	4	6	T-B100K/80/2
	100	4	6	T-B100K/100/2
3P 	32	6	4	T-B100K/32/3
	63	6	4	T-B100K/63/3
	80	6	4	T-B100K/80/3
	100	6	4	T-B100K/100/3
4P 	32	8	3	T-B100K/32/4
	63	8	3	T-B100K/63/4
	80	8	3	T-B100K/80/4
	100	8	3	T-B100K/100/4

### 五、Notice Before Ordering 订货须知

Please specify Model, Rated Current, Number of Poles, and order quantity when placing orders.  
用户在订货时，必须注明隔离开关的规格型号，额定电流，极数，数量等。

### Accessories 附件

T-B(k) OF、T-B(k) SD、T-B(k) MX、T-B(k) MX+OF

#### T-B63系列附件组合方式

T-B OF, T-B SD, T-B MX, T-B MX+OF  
Combinations of Accessories for T-B63 Series

#### T-B(k) OF Auxiliary Switch T-B(k) OF 辅助开关

T-B(k) OF Auxiliary Switches are used in 50 Hz (or 60 Hz) ac systems where rated current is no more than 3A, and rated voltage up to 415V. The model is installed together with T-B63 Miniature Circuit Breakers or T-B63L Earth-Leakage Circuit Breakers as an on-off indicator for remote breakers or as an alarm contact.

T-B(k)OF辅助开关主要用于交流50Hz (或60Hz)，额定电流不大于3A，额定电压至415V的线路中，其与T-B 63小型断路器、T-B 63L剩余电流保护器等拼装。作远距离断路器通断的信号指标，或可用于报警接点信号用。

Note: Width of accessory is 9mm.  
注：该附件宽度为9mm



#### T-B(k) MX Shunt Trip T-B(k)MX 分励脱扣器

T-B(k) MX Shunt Trips are used in 50 Hz (or 60 Hz) ac systems where rated current is no more than 3A, and rated voltage up to 415V. The model is installed together with T-B63 Miniature Circuit Breakers as a remote on-off switch for fire control and other emergency purposes.

T-B(k)MX主要适用于交流50Hz (或60Hz)，额定电压至415V的线路中，与T-B 63小型断路器拼装。用于远距离操作，对电气线路遥控断开、消防或应急遥控断开之用。

Rated Voltage:  
额定电压：  
AC: 110-415V  
DC: 24V,36V,48V,110V

Note: Width of accessory is 9mm  
注：该附件宽度为9mm



#### T-B(k) SD Alarm Switch (With On-Off Indicator) T-B(k) OF 报警开关 (带通断指示)

T-B(k) SD Alarm Switches are used in 50 Hz (or 60 Hz) ac systems where rated current is no more than 3A, and rated voltage up to 415V. The model is installed together with T-B63 Miniature Circuit Breakers or T-B63L Earth-Leakage Circuit Breakers as an on-off indicator for remote breakers or as an alarm contact. SD alarm switches intuitively indicates the on-off status of the power network.

T-B(k) SD报警开关主要用于交流50Hz (或60Hz)，额定电流不大于3A，额定电压至415V的线路中，其与T-B 63小型断路器、T-B 63L剩余电流保护器等拼装。作远距离断路器通断的信号指标，或可用于报警接点信号等之用。SD报警开关正面能直观指示电路的通断状态。

Note: Width of accessory is 9mm  
注：该附件宽度为9mm



#### T-B(k) MX+OF Shunt Trip With Auxiliary Switch T-B(k)MX+OF 分励脱扣器加辅助开关

T-B(k) MX+OF Shunt Trips are used in 50 Hz (or 60 Hz) ac systems where rated current is no more than 3A, and rated voltage up to 415V. The model is installed together with T-B63 Miniature Circuit Breakers as a remote on-off switch for fire control and other emergency purposes.

T-B(k)MX+OF主要适用于交流50Hz (或60Hz)，额定电压至415V的线路中，与T-B 63小型断路器拼装。用于远距离操作，对电气线路遥控断开、联络消防报警系统之用。

Rated Voltage:  
额定电压：  
AC: 110-415V  
DC: 24V,36V,48V,110V  
Contact Capacity 触点容量：AC 2A/380-415V

Note: Width of accessory is 18mm  
注：该附件宽度为18mm



#### Combinations of T-B63 Breaker and its accessories: T-B63小型断路器与其系列附件开关组合方式：



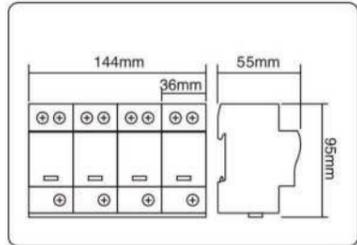
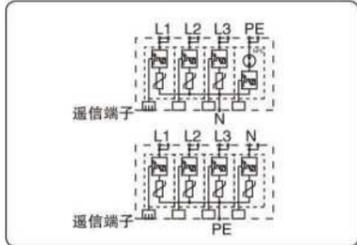
### 一、TB-15I、TB-30I、TB-50I



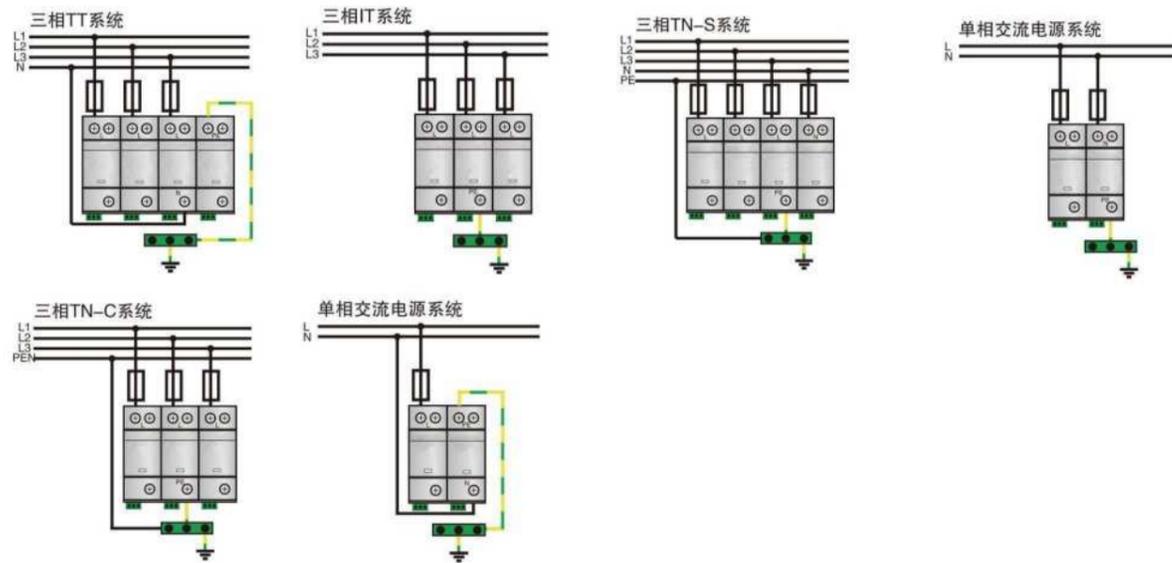
应用：产品主要用于通信、铁路、计算机网络、电力、气象、交通、住宅等领域交流电源设备的第一级（B级）雷电过电压以及操作过电压的防护，安装在低压主（分）配电柜或低压总开关柜内，并联在电源进线处。

特点：

- ① 模块式设计，维护简单，外观美观
- ② 选用优质压敏电阻，放电间隙，高可靠质量保证
- ③ 通流容量大、响应时间短
- ④ 采用温控断路技术，避免火灾发生，有工作故障指示
- ⑤ 带远程告警接点方便远程监视
- ⑥ 35mm标准导轨设计，安装方便



### 二、产品接线图



安装注意事项：

- ① 安装时，必须断开电源，严禁带电操作，连接线必须符合要求，接地电阻要求小于4 Ω。
- ② 防雷器无须特别维护，只需定期检查连接是否有松动，状态指示是否正常。当防雷模块故障显示窗口指示红色时则表示防雷器发生故障，应及时更换。

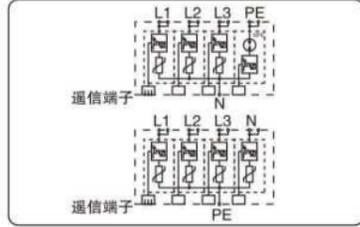
### 三、技术参数

型号	TB-15I	TB-30I	TB-50I
标称放电电流 $I_n$	15kA	100kA	50kA
最大冲击电流 $I_{imp}(10/350)$	15kA	30kA	50kA
最高持续运行电压 $U_c$	275V/320V/385V/440V 可选		
电压保护水平 $U_p$	<2.0kV	<2.0kV	<2.5kV
(前端推荐串联熔断器)	$I_{max}$ 80kA	$I_{max}$ 100kA	$I_{max}$ 100kA
组合保护方式	1P 2P 3P 4P		
适用于电力系统	AC		
工作环境温度	-40° C ~ +80° C		
相对湿度	<95% (25° C)		
故障指示	正常的绿色或无色，失败的红色或黑色		
遥信接线	干触点 (14-11 常开, 11-12 常闭)		
执行标准	GB18802.31	EN50539-11	
实验类别	I		
IP 防护等级	IP20		

### 一、TB-30、TB-40、TB-60、TB-80

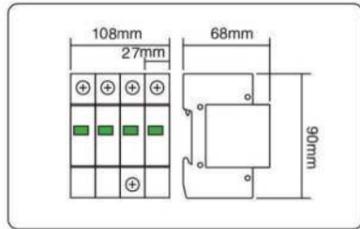


应用：产品主要用于通信、铁路、计算机网络、电力、气象、交通、住宅等领域交流电源设备的第二级（C级）雷电过电压以及操作过电压的防护，安装在楼层或入室低压配电箱、低压分电柜内，并联在电源进线处。

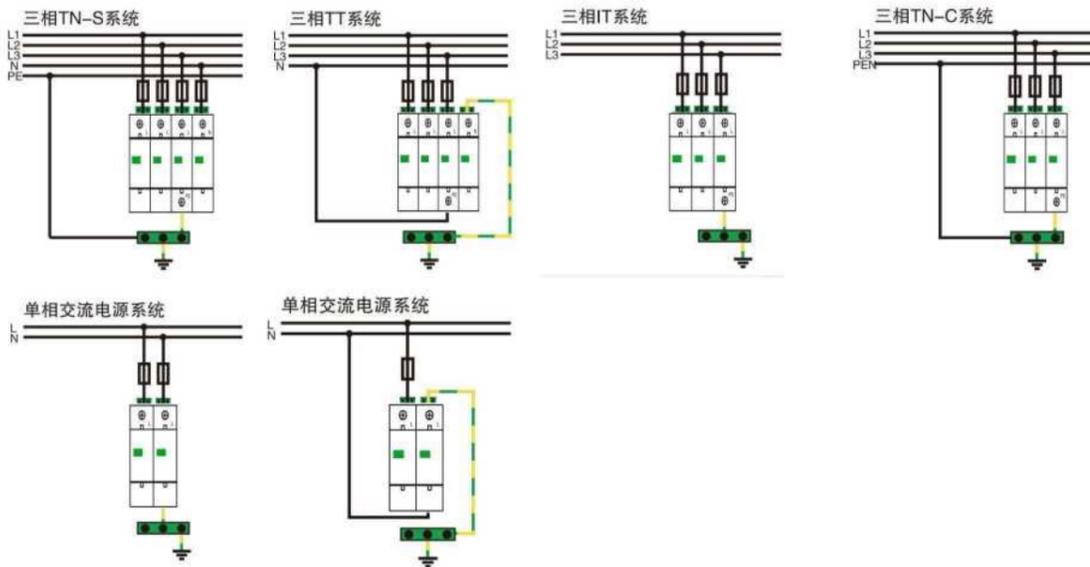


特点：

- ① 选用优质压敏电阻，放电间隙，高可靠质量保证
- ② 采用温控断路技术，避免火灾发生，有工作故障指示
- ③ 带远程告警接点方便远程监视
- ④ 模块式设计，维护简单，外观美观
- ⑤ 35mm标准导轨设计，安装方便



### 二、产品接线图



安装注意事项：

- ① 安装时，必须断开电源，严禁带电操作。连接线必须符合要求，接地电阻要求小于4 Ω。
- ② 防雷器无须特别维护，只需定期检查连接是否有松动，状态指示是否正常。当防雷模块故障显示窗口指示红色时则表示防雷器发生故障，应及时更换。

### 三、技术参数

型号	TB-30	TB-40	TB-60	TB-80
标称放电电流 $I_n$	15kA	20kA	30kA	40 kA
最大放电电流 $I_{max} (8/20)$	20kA	40kA	60kA	80kA
最高持续运行电压 $U_c$	275V/320V/385V/440V 可选			
电压保护水平 $U_p$	<1.6kV	<1.8kV	<2.0kV	<2.2kV
(前端推荐串联熔断器)	$I_{max}$ 40 kA	$I_{max}$ 40 kA	$I_{max}$ 40 kA	$I_{max}$ 80kA
保护方式	IP 2P 3P 4P 3+NPE			
适用于电力系统	AC			
工作环境温度	-40° C ~ +70° C			
相对湿度	<95% (25° C)			
故障指示	正常的绿色或无色，失败的红色或黑色			
遥信接线	干触点 (14-11 常开, 11-12 常闭)			
执行标准	GB18802.31		EN50539-11	