

# DZX2-32N系列小型断路器

DZX2-32N Series Miniature Circuit Breaker

——配电电器产品名录 2013

安全 智能 环保



CE UL CCC TÜV CB RoHS  
ISO9001 ISO14001 OHSAS18001

# DZX2-32N系列小型断路器

## >> 用途 APPLICATION

DZX2-32N系列小型断路器适用于交流50Hz, 额定电压至220V, 额定电流32A及以下的单相线路中, 对电路的过载和短路进行保护。

DZX2-32N series miniature circuit-breaker are suitable for circuit of AC 50Hz, rated voltage up to 220V, rated current up to 32A. They are mainly used in single-pole lighting distribution system for overload and short circuit protection.

## >> 结构特点 STRUCTURE FEATUR

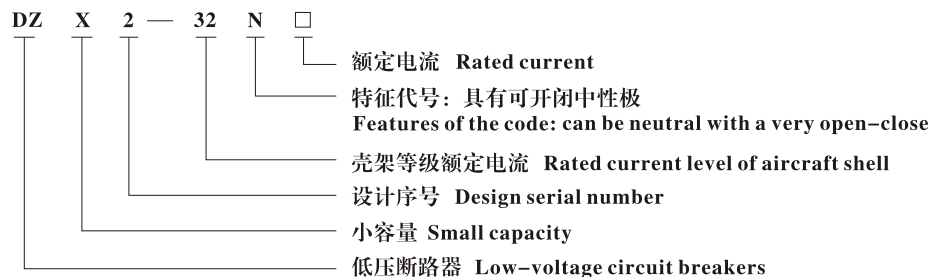
- 产品体积小, 重量轻, 分断能力高, 宽度仅18mm, 有一个保护极和一个可开闭中性极。

The breakers have the following characteristics: compact size, light weight, high breaking capacity, wide only 18mm, it have a protection pole and a open-close neutrality pole.

- 产品符合IEC60898-1, GB10963.1等标准。

The products comply with the demands of the following standards: IEC60898-1、GB10963.1.

## >> 型号及含义 TYPE AND MEANING



## >> 工作条件及安装条件

### WORKING AND INSTALLATION CONDITION

- △ 环境温度:  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$ , 且在24小时内的平均温度不超过 $+35^{\circ}\text{C}$ ;

Ambient temperature:  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$ , the average hours of temperature not exceeding  $+35^{\circ}\text{C}$  during 24 hours.

- △ 海拔高度: 不超过2000m; Elevation:  $\leq 2000\text{m}$

- △ 环境条件: 应无会引起爆炸危险的介质, 也无腐蚀和破坏绝缘的有害气体和导电尘埃;

Environment condition: There must be not any explosive medium and there must be not any gas which would corrode metal or any conducting dust which would destroy the insulation.

- △ 冲击和振动: 应安装和使用在无明显冲击和振动的地方;

Impact and Vibration: products should be used in no significant impact and vibration place.

- △ 安装类别: III; Installing categories: Class III

- △ 安装条件: 采用35mm的标准卡轨安装, 安装面与垂直面的倾斜度不大于5度。

Installing condition: mounted by 35mm standard rail track. The tilt gradient between installation face and vertical face should  $\leq 5^\circ$

## >> 主要技术参数 MAIN TECHNICAL PARAMETERS

### 基本参数 Basic technical parameters

表(table)1

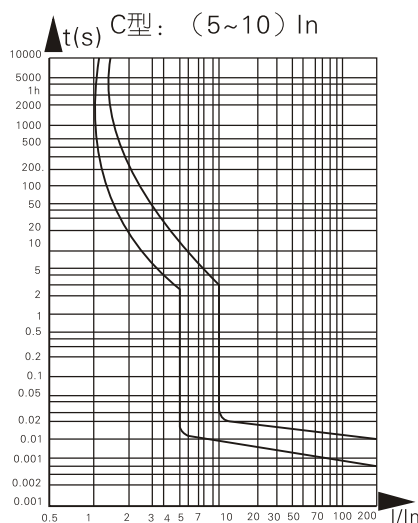
额定电流 (A) Rated operating current	极数 pole	壳架等级 额定电流 (A) Frame rated current	额定电压 (V) Rated operating voltage	额定短路分断能力 Breaking capacity of rated short-circuit		机械寿命 (次) machinery life trip
				试验线路预期电流 (A) the expectancy current	功率因数 power	
6, 10, 16, 20, 25, 32	1P+N	32	220	4500	0.75-0.80	20000

### 过电流脱扣特性表 Over-current instantaneous action

表(table)2

试验电流 (A) Testing current	额定电流 (A) Rated current	规定时间 Order time	预期结果 Expectancy ending	起始状态 Initial state	基准温度 Benchmark temperature	备注 Note
1.13I <sub>n</sub>	所有规格 All current	t ≤ 1h	不脱扣 not release	冷态 Cold state	30°C	
1.45I <sub>n</sub>	所有规格 All current	t < 1h	脱扣 release	热态 Heated state		电流在5s内稳定地上升至规定值 Current steady up to provide math in 5s
2.55I <sub>n</sub>	所有规格 All current	1s < t < 60s	脱扣 release	冷态 Cold state		
5I <sub>n</sub>	所有规格 All current	0.1s内	不脱扣 not release	冷态 Cold state		
10I <sub>n</sub>	所有规格 All current	0.1s内	脱扣 release	冷态 Cold state		闭合辅助开关 接通电流 close the auxiliary switch

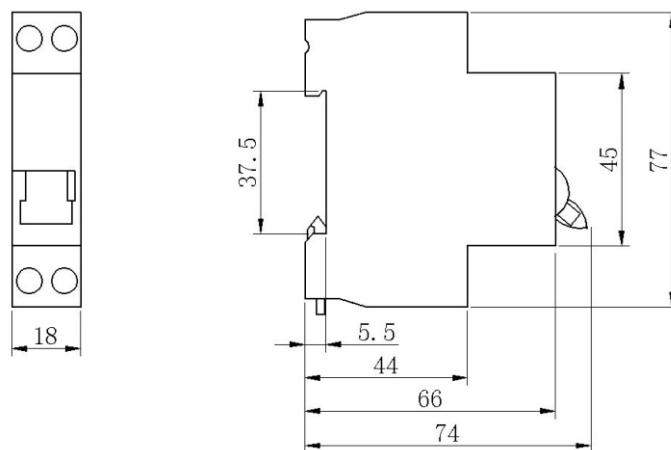
### 动作特性曲线 Action character curve



## DZX2-32N系列小型断路器

### >> 外形及安装尺寸

### OUTLINE DIMENSIONS AND MOUNTING DIMENSIONS



注:可安装于配电箱中。 Note: It can install in distribution cabinets

### >> 使用说明 OPERATING INSTRUCTION

- 小型断路器结构决定了相线和N线不能接反，必须按端子标识接线，且接线端子必须紧固。  
Small-scale structure of the circuit breaker line with the decision and can not take anti-N line, the logo must be terminal wiring, and terminals have to tighten.
- 接线采用代夹头的接线端子，使用于10mm<sup>2</sup>及以下导线。  
Chuck wiring used on behalf of the terminals, used in wires and below 10mm<sup>2</sup>.

### >> 订货须知 ORDER REMARK

- 用户订货时必须明确断路器名称、型号、规格及数量。  
Users need attention the entitle type, character and volume of breaker.  
例如: DZX2-32N 16A 小型断路器 8台  
Example: DZX2-32N 16A breaker 8 sets.