



## DZX2-32N系列小型断路器

### DZX2-32N Range Miniature Circuit Breaker

#### 一、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 range 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.

#### 二、结构特点 STRUCTURE FEATUR

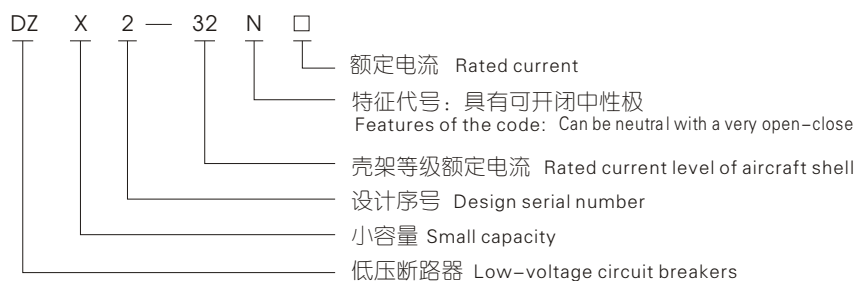
- 产品体积小, 重量轻, 分断能力高, 宽度仅18mm, 有一个保护极和一个可开闭中性极。

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.

#### 三、型号及其含义 TYPE AND MEANS



#### 四、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  $\leq 5^{\circ}$

## 五、主要技术参数 MAIN TECHNICAL PARAMETERS

### 基本参数 Basic technical parameters

表(table)1

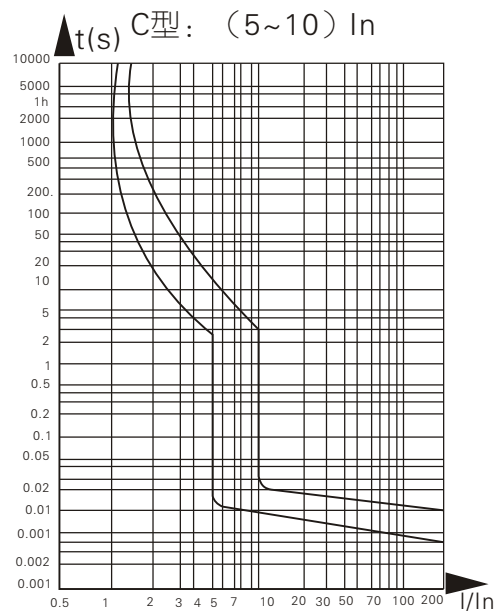
| 额定电流 (A)<br>Rated operating current | 极数<br>pole | 壳架等级<br>额定电流 (A)<br>Frame rated current | 额定电压 (V)<br>Rated operating voltage | 额定短路分断能力<br>Breaking capacity of rated short-circuit |               | 机械寿命 (次)<br>machinery life trip |
|-------------------------------------|------------|---|-------------------------------------|--|---------------|---------------------------------|
|                                     |            |   |                                     | 试验线路预期电流 (A)<br>the expectancy current               | 功率因数<br>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

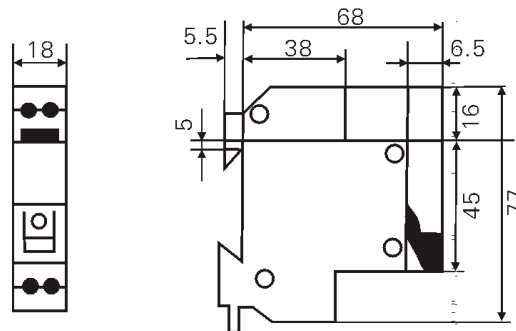
| 试验电流 (A)<br>Testing current | 额定电流 (A)<br>Rated current | 规定时间<br>Order time | 预期结果<br>Expectancy ending | 起始状态<br>Initial state | 基准温度<br>Benchmark temperature | 备注<br>Note   |
|-----------------------------|---------------------------|--------------------|---------------------------|-----------------------|-------------------------------|--|
| 1.13In                      | 所有规格<br>All current       | $t \leq 1h$        | 不脱扣<br>not release        | 冷态<br>Cold state      | 30°C                          | 电流在5s内稳定地上升至规定值<br>Current steady up to provide math in 5s |
| 1.45In                      | 所有规格<br>All current       | $t < 1h$           | 脱扣<br>release             | 热态<br>Heated state    |                               |  |
| 2.55In                      | 所有规格<br>All current       | $1s < t < 60s$     | 脱扣<br>release             | 冷态<br>Cold state      |                               |  |
| 5In                         | 所有规格<br>All current       | 0.1s内              | 不脱扣<br>not release        | 冷态<br>Cold state      |                               |  |
| 10In                        | 所有规格<br>All current       | 0.1s内              | 脱扣<br>release             | 冷态<br>Cold state      |                               |  |

### 动作特性曲线 Action character curve



## 六、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

## 七、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 $10\text{mm}^2$ 及以下导线。

Chuck wiring used on behalf of the terminals, used in wires and below  $10\text{mm}^2$ .

## 八、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.