



## GSB2L-32N系列漏电断路器 GSB2L-32N Range Leakage Circuit Breakers

### 一、用途 APPLICATION

GSB2L-32N系列漏电断路器适用于交流50Hz/60Hz，额定电压至240V，额定电流32A及以下的单相住宅线路中，对电路的过载和短路进行保护，同时可提供高水平的对地泄露电流保护。对下列情况提供保护：

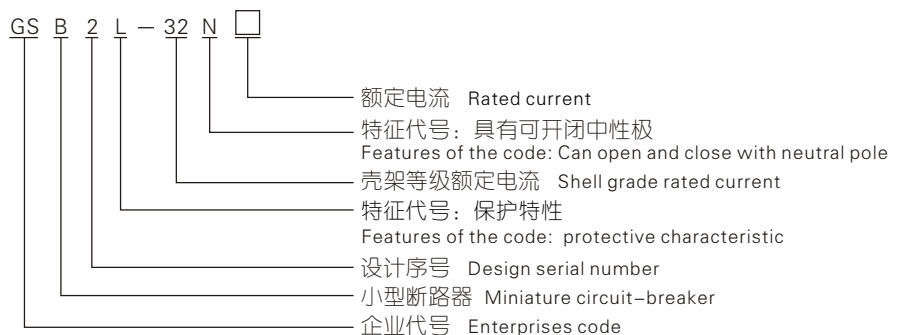
GSB2-32N range of leakage circuit breakers are used in AC 50Hz/60Hz, rated voltage to 240V, rated current of 32A and below the single-phase residential lines, on the circuit overload and short circuit protection, at the same time to provide high quality-to-ground leakage current protection. Protection of the following conditions:

- △ 对间接触电提供保护  
Provide protection against indirect electric shock
- △ 对直接接触电提供保护  
Provide protection against direct electric shock
- △ 对因设备的绝缘故障引起的对地泄露电流提供保护。  
Due to equipment failures caused by insulation-to-ground leakage current protection.

### 二、结构特点 STRUCTURAL CHARACTERISTICS

- 产品体积小，重量轻，分断能力高，宽度仅36mm，具有高水平对地泄露电流保护组件，有一个保护极和可开闭中性极。  
Products small size, light weight, high-breaking capacity, only the width of 36mm, with a high level-to-ground leakage current protection component, there is a protection of a pole and opening and closing can be neutral pole.
- 产品符合IEC61009-1，GB16917.1等标准。  
Products accord with the IEC61009-1, GB16917.1 standards.

### 三、型号含义 TYPE AND MEANS



### 四、主要技术参数 MAIN TECHNICAL PARAMETERS

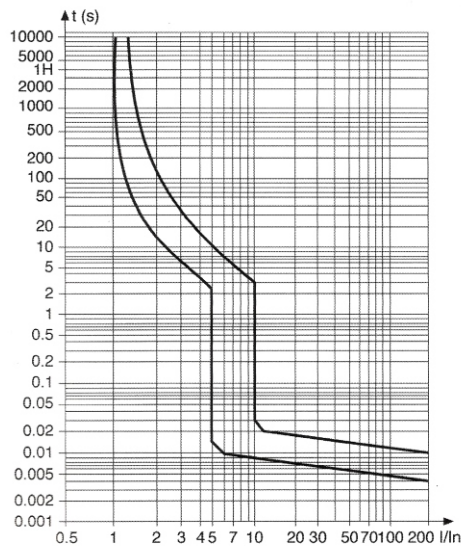
#### ■ 基本参数 Basic parameters

额定电流 rated current (A)	极数 Pole	壳架等级 额定电流 Shell grade rated current (A)	额定电压 Rated voltage (V)	额定漏电动 作电流(mA) Rated leakage operating current	额定漏电不动 作电流(mA) Rated leakage non- operating current	最大分 断时间 The largest sub-off time (s)	分断能力 Breaking capacity (A)
6、10、16、 20、25、32	1P+N	32	240	30	15	0.1	4500

■ 过电流脱扣特性表 Over-current release characteristics of table

试验电流 Testing current	额定电流 Rated current (A)	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>	6、10、16、20、25、32	t ≤ 1h	不脱扣 not release	冷态 cold state	30℃	电流在5s内稳定地升至规定值 current improve to order value in 5s
1.45I <sub>n</sub>		t < 1h	脱扣 Release	热态 hot state		
2.55I <sub>n</sub>		1s < t < 60s	脱扣 Release	冷态 cold state		
5I <sub>n</sub>		t ≤ 0.1s	不脱扣 not release	冷态 cold state		
10I <sub>n</sub>		t < 0.1	脱扣 Release	冷态 cold state		

■ 动作特性曲线 Action characteristic curve



**五、工作条件与安装条件**

**WORKING CONDITION AND INSTALLATION CONDITION**

■ 正常工作条件 Normal working conditions

△ 环境温度：-5℃ ~ +40℃，且其24h内的平均温度值不超过+35℃。

Environment temperature : -5℃ ~ +40℃, the average hours of temperature exceeding +35℃ during 24 hours.

△ 安装地点的海拔不超过2000m。Elevation: ≤2000m

△ 在最高温度为+40℃时，空气的相对湿度不超过50%。在较低温度下 可以允许较高的相对湿度，例如+20℃时达90%。对由于温度变化偶尔产生的凝露应采取适当的措施。

No exceeding 50% at the maximum ambient temperature of 40℃.with lower temperature, higher humidity would be permitted, for example ,with temperature 20℃, the humidity can exceed 90%.Take the special measure to the dews on the surface, which would appear due to temperature change

△ 在无爆炸危险的介质中，且介质无足以腐蚀金属和破坏绝缘的气体 and 导电尘埃的地方。

In no danger of an explosion of media and media without sufficient metal corrosion and insulation damage to the electrical conductivity of gases and dust where.

△ 污染等级2。 Pollution protection: Grade 2

■ 安装条件 Installation condition

△ 安装类别III。Installing categories: Class III

△ 安装于配电箱、配电柜或盒中。

Install in distribution cabinets、distribution drawer or box.

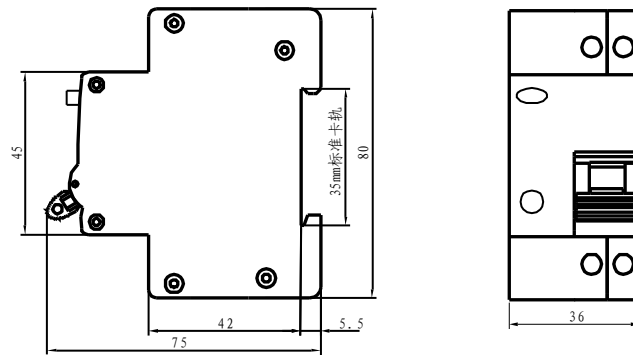
△ 采用35mm的标准卡轨安装，安装面于垂直面的倾斜度不大于5度。

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

△ 安装处应无显著冲击和振动。

Products should be used in no significant impact and vibration place.

## 六、外形及安装尺寸 OUTLINE AND INSTALLATION DIMENSIONS



## 七、使用与维护 USE AND MAINTENANCE

■ 相线和N线不能接反，按端子标识接线，接线端子紧固导线。

According to the wiring terminals logo, with leg of a circuit and N lines can not take anti, fastening wire terminals.

△ 接线采用带夹头的接线端子。

Chuck connection with the use of terminal blocks.

△ 本产品为非维护型，不允许用户自行调整。

This product is a non-maintenance type, does not allow users to adjust.

■ 应用指南: Application Guide

△ 每月按压一次按钮，检查剩余电流保护装置的動作。

Pressing the button once a month to check the remainder of the current protection device action.

△ 当漏电保护装置动作时，复位按钮弹起。

When the leakage protection device moves, reset button up.

△ 产品合闸前，请先按下复位按钮。

Products before closing, please press the reset button.

△ 当同时接触相线和中性线时不能提供保护。

At the same time, when contact with the neutral line and the line can not provide protection.

## 八、订货须知 ORDER NOTICE

■ 订货时需指明产品型号、规格及数量

In order you need attention the type、character and volume.

如: GSB2L-32N 25A 500台

Example: GSB2L-32N 25A 500sets