

# DZX2/4-100L系列剩余电流动作断路器

DZX2/4-100L Series Residual Current 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

# DZX2/4-100L系列剩余电流动作断路器

## >> 用途 APPLICATION

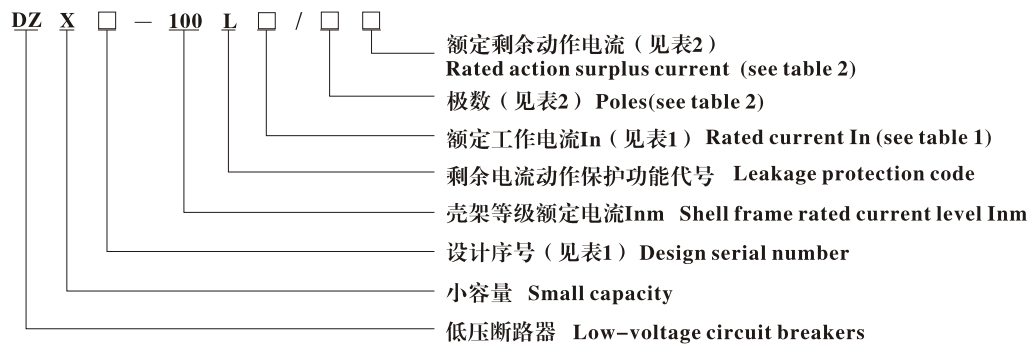
DZX2/4-100L系列剩余电流动作断路器(以下简称断路器)由DZX2/4-100系列塑壳断路器加装剩余电流动作保护模块组合而成,适用于交流50Hz,额定工作电压至415V,额定工作电流至100A及以下的电路中,除对人身触电和电路绝缘故障引起的漏电进行保护之外,还对线路的过载及短路起保护作用。在正常情况下,亦可作为线路的不频繁转换和电动机的不频繁启动之用。

DZX2/4-100L series residual current circuit breaker (abbr. breakers) are combined as leakage breaker by being added with a plastic cover breaker and a leakage protective module, which are suitable for the circuit of AC 50Hz, rated operating voltage up to 415V and rated operating current up to 100A and below for overload and short circuit protection besides leakage protection against personnel indirect electroshock and equipment insulation failure, which also can be used for unfrequented change-over and unfrequented starting of motor under normal conditions.

## >> 结构特点 STRUCTURE FEATUR

本产品符合IEC61009,GB16917等标准。  
These products comply with the demands of the following standards: IEC61009, GB16917 etc.

## >> 型号及含义 TYPE AND MEANING



表(table)1

产品型号 Type	设计序号 Design code	瞬时脱扣器类型 Instantaneous release	壳架等级额定电流 Inm Frame rated current	额定工作电流 In(A) Rated operating current
DZX2-100L	2	C	100A	63、80、100
DZX4-100L	4	D		50、63、80、100

表(table)2

产品型号 Type	极数 pole	额定剩余电流动作电流 I△n(mA) Rated leakage operating current
DZX2-100L	1P、2P、3P、4P	30、100、300
DZX4-100L		

## >> 正常工作条件与安装条件

### WORKING CONDITION AND INSTALLATION CONDITION

△ 最高空气温度为+40℃，最低空气温度为-5℃，24h内的平均值不超过+35℃。

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

△ 安装地点的海拔高度不超过2000m。Elevation: ≤2000m

△ 环境应为不会引起爆炸的介质，也无会腐蚀金属或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

△ 安装在无明显冲击和振动的地方。

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

△ 安装类别Ⅱ。Installing categories: Class II

△ 污染等级为2。Pollution protection: Grade 2

△ 安装方式为TH35-7.5标准卡轨安装。Mounted by TH35-7.5 standard rail track.

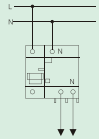
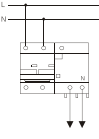
△ 采用带夹头的接线端子。Chuck connection with the use of the terminal.

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

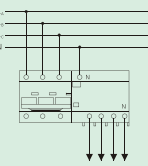

产品型号 Type	极数 Pole	分断能力 Breaking capacity	额定剩余电流动作电流(mA) Rated leakage operating current	额定剩余电流不动作电流(mA) Rated leakage non-operating current	分断时间t Breaking time	接线能力 Wiring capacity
DZX2/4-100L	1P、2P、3P、4P	10KA	30	15	t ≤ 0.1s	35 mm <sup>2</sup>
			100	50		
			300	150		

## >> 接线图及外形尺寸

### WIRING PICTURE AND OUTLINE DIMENSIONS

接线示意图 Wiring picture	型式 Type	注意事项 Notice	外形尺寸(mm) Outline dimensions
	单极两线 One pole two lines	1.相、零线不可接错; Phase, the zero-line access cannot be wrong 2.适用于415V及以下的电路中。 Adapt in 415V and below circuit	81 × 140 × 77
	两极两线 Two poles two lines	适用于415V及以下的电路中。 Adapt in 415V and below circuit	108 × 140 × 77

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	三极四线 Three poles four lines	1.电源端必须接零线,且剩余电流动作断路器不能断开零线; Supply-side must take a zero line, and residual current devices can not be disconnected zero line 2.相、零线不可接错; Phase, the zero-line access can not be wrong 3.适用于415V及以下的电路中。 Adapt in 415V and below circuit	170 × 140 × 77
	四极四线 Four poles four lines	1.相、零线不可接错; Phase, the zero-line access can not be wrong 2.适用于415V及以下的电路中。 Adapt in 415V and below circuit	197 × 140 × 77

## >> 使用说明 OPERATING INSTRUCTION

- △ 剩余电流动作断路器的额定剩余动作电流、过载及短路特性均在出厂前整定合格,使用中不得随意调节。  
Leakage circuit breakers rated action leakage current, overload and short-circuit manufacturing by setting characteristics, can not be used in regulation.
- △ 剩余电流动作断路器在安装运行一段时间后(一般为每隔一个月),需要在合闸通电状态下,按动试验按钮,剩余电流动作断路器应可靠动作。  
In the new circuit breakers installed to run after a certain period of time (generally every month), the need to switch on power in the state, rather than pressing the test button, and leakage circuit breakers should be reliable action.
- △ 当剩余电流动作断路器因漏电保护而动作后,漏电指示按钮弹起。剩余电流动作断路器再次合闸之前,应先按下漏电指示按钮。  
As a result of leakage circuit breakers and protection of the action, the leakage direction button up. Circuit breaker switch on again until the leakage should be directed to press the button.
- △ 剩余电流动作断路器因被保护电路发生故障而分闸后,需查明原因,排除故障后方可合闸。  
Protection of the circuit breaker was malfunctioning gate hours, the reasons for the need to identify, before troubleshooting closing.
- △ 剩余电流动作断路器对同时接触被保护电路的两根导线引起的触电危险,不能进行保护。  
Leakage circuit breakers on the circuit at the same time to protect access to the two wires caused by the danger of electric shock and can not protect
- △ 相、零线不可接反。Phase, the zero line should not take anti.
- △ 在装设剩余电流动作断路器的配电系统中,剩余电流动作断路器负载侧的零线既不允许重复接地,也不允许互相连接或就近支接。  
Leakage circuit breakers in each branch line to be protected by its own dedicated line of zero and zero-end load line is not allowed to connect with each other and will not allow access to the nearest branch.

## >> 订货须知 ORDER NOTICE

- 用户订货时,需指明剩余电流动作断路器的名称、型号规格及数量。  
如:剩余电流动作断路器DZX2-100L 100A/3P 300mA 50台。  
Users need attention the entitle type, the value of rated residual working current and volume of breaker  
Example: DZX2-100L 100A/3P 300mA breaker 50sets.