

# ZKZ1系列塑料外壳式断路器

## ZKZ1 series moulded case circuit-breaker

低压元件  
L.V. Apparatus



### 用途:

ZKZ1系列塑料外壳式断路器适用于交流50Hz和60Hz, 额定绝缘电压690V, 额定工作电压至690V, 额定电流至10~800A的低压电网中, 一般作配电用。壳架额定电流400A以下的Y型断路器也可作为保护电动机之用。保护电动机用断路器在400V配电网中用作鼠笼型电动机的起动和运转中分断及其过载和短路保护。

### 特点:

- 断路器采用斥力限流机构, 斥开距离大, 断开速度快, 达到高限流高分断的效果。
- 灭弧效果好, 实现了零飞弧。
- 采用新材料、新结构、新工艺, 体积只为国内同类产品2/3。
- 电源可上或下进线, 可横装或竖装, 其分断能力指标相同。
- 配套附件齐全, 适用范围广。
- 执行标准: IEC60947-2、GB14048.2

### Application:

ZKZ1 series moulded case circuit-breaker applies to the low-voltage electric network are of AC 50Hz and 60Hz, the rated insulation voltage of 690V, the rated operating voltage up to 690V, and the rated current from 10 to 800A, normally for the purpose of distribution. The Y-type circuit-breaker with the rated frame current less than 400A can also be used for motor protection. In the 400V distributing network, the circuit-breaker for motor protection is used for breaking in the starting and operating of the squirrel-cage motor, and its overload and short-circuit protection.

### Characteristics:

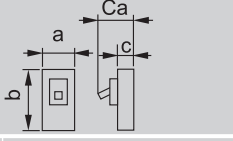
- The circuit-breaker adopts the repulsion current limiting mechanism, so the repulsive distance is large, and the breaking speed is fast, meeting the effect of high limiting and high breaking.
- With good arc extinction effect, realising “0” arc-over distance.
- Adopting new material, new structure and new technology, so the size is only 2/3 of the products of the same type made in China.
- It can inlet wire upper or down for the power supply and can be installed horizontally or vertically, with the same breaking capacity and index.
- With complete accessories, and with extensive applicability.
- Implementation of standards: IEC60947-2 and GB14048.2

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### 主要技术参数 Major technical parameters

序号 S/N	项目 Items	单位 Unit	技术参数 Technical Parameters											
			ZKZ1-63		ZKZ1-100		ZKZ1-200		ZKZ1-400		ZKZ1-630		ZKZ1-800	
1	短路分断能力级别 Degree of short-circuit breaking capacity		Y	Y	J	Y	J	Y	J	Y	J	Y	J	
2	壳架等级额定电流 $I_{nm}$ Rated frame current $I_{nm}$	A	63	100		200		400		630		800		
3	断路器额定电流 $I_n$ Rated current of the circuit-breaker $I_n$	A	10、16、 20、25、 32、40、 50、63	16、20、 25、32、 40、50、 63、80、 100	100、125、 160、180、 200		200、250、 315、350、 400		400、500、 630		630、700、 800			
4	极数 Poles		3、4											
5	额定极限短路分断能力 (有效值) $I_{cu}$ Rated ultimate short-circuit breaking capacity (valid value)	~690V	-	-	20	-	20	-	25	-	25	-	25	
		~400V	30	50	65	50	70	50	70	50	70	50	70	
6	额定运行短路分断能力 (有效值) $I_{cs}$ Rated service short-circuit breaking capacity (valid value)	~690V	-	-	10	-	10	-	15	-	15	-	15	
		~400V	15	30	40	30	40	30	40	30	40	30	40	
7	保护特性 Protective features	A	过载热脱扣和短路瞬时脱扣的二级保护(瞬时脱扣器整定电流: A为 $10I_n$ , AC-3为 $12I_n$ )											
		AC-3	Secondary protection of overload thermal tripping and short-circuit instant tripping (instantaneous release setting current: A is $10I_n$ , and AC-3 is $12I_n$ )											
8		a	75	90	105	140	210	210						
		b	130	155	165	257	275	275						
		c	60	82	99.5	103	103	103						
		Ca	80	104	127	146	146	146						
9	接线方式 Mode of connection	板前接线 Q Front panel wiring Q	√	√	√	√	√	√						
		板后接线 H Back panel wiring H	√	√	√	√	√	√						
		插入式 R Plug - in type R	√	√	√	√	√	√						
		抽出式 C Draw-out type C				√	√	√						
10	附件 Accessories	辅助触头 Auxiliary contact	√	√	√	√	√	√						
		分励脱扣器 Shunt release	√	√	√	√	√	√						
		报警触头 Alarm contact	√	√	√	√	√	√						
		欠电压脱扣器 Under-voltage release	√	√	√	√	√	√						
		电动操作机构 Electrical operating mechanism	√	√	√	√	√	√						
		旋转操作手柄机构 Rotary handle operating mechanism	√	√	√	√	√	√						