

ZKZ1L 系列漏电断路器

ZKZ1L series residual current operated circuit-breaker

低压元件
L.V. Apparatus



用途:

ZKZ1L 系列漏电断路器主要适用于交流50Hz, 额定电流至800A, 额定工作电压400V或230V的电气线路中, 作为人身触电和设备漏电保护之用, 也可以用来防止因设备绝缘损坏, 产生接地故障电流而引起的火灾危险; 同时可以用来保护线路和电源设备的过载及短路, 亦可作为线路的不频繁转换和电机的不频繁起动之用。

Application:

ZKZ1L residual current operated circuit-breaker applies to the circuit AC 50Hz, the rated current up to 800A, and the rated operating voltage is 400V or 230V, for the prevention from electric shock and the leakage of electricity. It can also be used to prevent the danger of fire caused by earth fault current owing to damage by insulation. Besides that, circuit-breaker can protect the circuit and power device from overload and short-circuit, Furthermore, it can also be used for infrequent changeover of circuit and infrequent turn-on of motor.

特点:

- ZKZ1L 系列塑料外壳式漏电断路器, 具有体积小、模块式、结构先进、性能可靠等特点。
- 分断能力高、飞弧短。

Characteristics:

- With the structure of the repulsion current limiting, a large distance of contacts, and high speed of breaking to meet high current-limiting and breaking.
- With good arc extinction effect, realizing "0" arc-over distance.

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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																			
			ZKZ1L-100		ZKZ1L-225		ZKZ1L-400		ZKZ1L-630		ZKZ1L-800											
1	壳架等级电流 I_{nm} Frame current	A	100		225		400		630		800											
2	极线数 Poles		3	4	3	4	3	4	3	4	3	4										
3	额定绝缘电压 U_i Rated insulation voltage	V	AC50Hz 690																			
4	额定电压 U_e Rated voltage	V	AC50Hz 400																			
5	额定电流 I_n Rated current	A	40、50、63、 80、100		100、125、 160、200		200、250、315、 350、400		400、500、630、		630、700、 800											
6	额定剩余动作电流 $I_{\Delta n}$ Rated residual operating current $I_{\Delta n}$	mA	100/300/500		100/300/500		100/300/500		100/300/500		100/300/500											
7	延时型 $2I_{\Delta n}$ 极限不驱动时间 Delay type $2I_{\Delta n}$ Ultimate non-operating time	s	0.06																			
8	$I_{\Delta n}$ 时最大分断时间 Maximal breaking time at $I_{\Delta n}$	s	快速型 Quick type				0.2		延时型 Delay type				0.5									
9	额定极限短路分断能力 I_{cu} Rated ultimate short-circuit breaking capacity	kA	40		40		50		50		50											
10	额定剩余接通分断能力 $I_{\Delta m}$ Rated residual making breaking capacity	kA	10		10		12		12		12											
11	外型尺寸 Dimension		92		122		107		142		150		198		210		282		210		282	
		mm	150		165		257		282		282											
			92		90		108		115		115											
			110		110		118		155		155											
12	欠电压脱扣器 Under-voltage release												√									
13	分励脱扣器 Shunt release												√									
14	辅助触头 Auxiliary contact												√									
15	报警触头 Alarm contact												√									
16	转动手柄操作机构 Rotary handle operating mechanism												√									