



1 产品概述 Product Summarize

JSL集成电路定时限电流继电器用于城市和农村电力网供电线路变压器、电机的过负荷和短路保护。本继电器为集启动、延时、执行为一体的交流操作静态多功能继电器，具有精度高、功耗小、延时准确、返回系数高、整定直观方便、触点容量大、无须独立操作电源等特点。是GL型反时限电流继电器与电力网定时限保护级差不宜配合时的替代产品。

该继电器的应用，对交流操作的开闭所和高配用户中特别解决了，满足电力部压缩时间级差反措要求，克服了反时限交流操作保护装置与大电网定时限保护不相配合的致命弱点，避免了因用户故障造成保护越级跳闸进而扩大事故，采用数码开关设置定值的定时限保护，消除了原反时限特性继电器在定值计算、上下级配合及调试中带来的大量繁琐的工作量，极大的方便了工作售货员的设计和现场工作。

JSL integrated circuit definite-time over-current relays are applying for overload and short circuit protection of transformers and motors of power net supply circuit in urban and rural areas. This series are AC operating static state multi-functional relay with starting, delaying and execution together, and have the characteristics of high accuracy, low power consumption, accurate delaying, high return coefficient, convenient setting, large contact capacity, and no need of independently operated power. This series are the substitutes when GL type inverse time current relay and power net definite time protection rank difference are unsuitable to match.

This series are applying for switching station and high-distribution customers operated by AC to meet the compressing time rank difference anti-accident measurements of the Ministry of Electric-power and solve the fatal weakness of the unmatched of the inverse time operative protecting equipment and power net definite time protection. Therefore, it avoids protective override trip caused by customer faults. This series adopts definite time protection of digital switch setting fixed value; eliminate workload of the original inverse time characteristic relay during fixed value calculation, combination and debugging between higher and lower grades; make the design and spot work of the salesclerk conveniently.

2 主要技术参数 Main Technological Parameter

- 1、过电流部份的整定范围：A:2.0-9.9A、级差：0.1A； B:10-50A、级差：1A。
- 2、过电流延时部份的整定范围：0.05-9.99S、级差：0.01S（即为过电流动作时间）。
- 3、电流速断数部份的整定范围：ISD=2.0-9.9IGL
- 4、电流速断在任一过电流定值倍数定值动作时间不大于50ms。型号规格后面带“T”标志的为速断部份含延时回路，其速断动作时间为300ms。
- 5、整定误差：电流部份在任一整定值下其误差不大于 $2\%+0.2A$ ，在极限温度下不大于 $4\%+0.1A$ ；过电流延时的延时误差绝对值不大于 $0.1\%+10ms$ 。
- 6、触点容量：AC250V、可长期接通16A，闭合接点可分流断开电流 $AC > 50A$ 。
- 7、功耗：当电流为额定值时：继电器功率消耗不大于5W。
- 8、热稳定倍数：21n可长期运行。

1. Setting range of over-current part: A: 2.0-9.9A, rank difference: 0.1A; B: 10-50A, rank difference: 1A.
2. Setting range of over-current delaying part: 0.05-9.99S, rank difference: 0.01S (over-current operating time).
3. Setting range of current quick-break part: ISD=2.0-9.9IGL
4. Under any over-current fixed value multiple, the operating time of current quick-break ≤ 50 ms. The product with a "T" mark after type is quick-break part including delaying loop, and its quick-break operating time is 300ms.
5. Set error: under any setting value, the error of current $\leq 2\% \pm 0.2A$, and under limit temperature, the error $\leq 4\% \pm 0.1A$; the delaying error absolute value of over-current delaying $\leq 0.1\% \pm 10$ ms.
6. Contact capacity: AC 250V, can long term connect 16A, blocking connect diffiulce breaking current $AC > 50A$.
7. Power consumption: when current is rated value, the power consumption of the relay $\leq 5W$.
8. Thermal stability multiple: 21n can long term operating.

3 安装开孔尺寸、接线图 Mounging plate opening size, Wiring drawing

