


**DONGYA ELECTRONIC**


## ZLJM-125C

Series latch contactors  
系列磁保持型接触器

### 1 产品型号含义 Nomination(nomogram)

ZLJM - 125C / (B) 二 · S



### 2 使用条件 Use conditions required

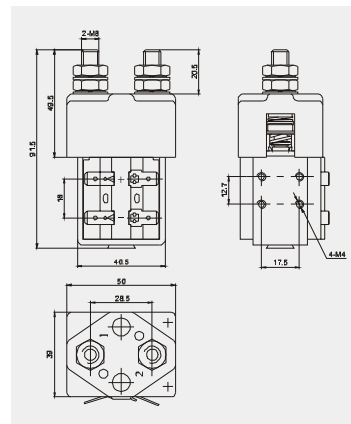
环境温度 Ambient temperature:  $-25 \sim +40^{\circ}\text{C}$   
 相对湿度 Relative humidity:  $+20^{\circ}\text{C}$  达 98% (upto 98% at  $+20^{\circ}\text{C}$ )  
 固定处的振动频率 Vibration freq. at the fixed position:  
 $3g, 1 \sim 50\text{Hz}$  振幅 0.5mm  
 $3g, 1 \sim 50\text{Hz}$  ampl 0.5mm  
 安装方向 Mounting directions: 任意 Optional

### 3 特殊说明

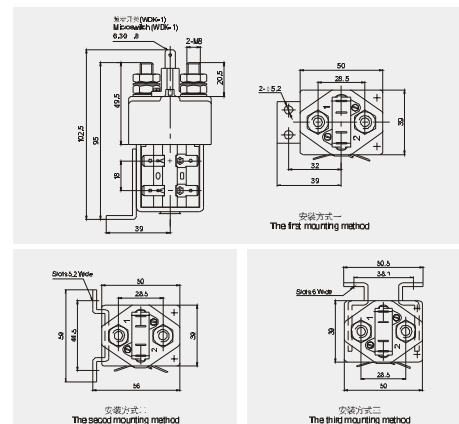
产品线圈采取正、负脉冲激励(1、2端), 激励时间  $200\text{ms} \leq t \leq 1\text{s}$ , 线圈不能持续长期通电, 操作频率不得超过每分钟 6 次, 并且脉冲应是方波, 正脉冲使触点闭合、负脉冲使触点断开, 线圈去激励后, 接触器触点状态由产品内的永久磁铁保持。  
 Product coil is excited by positive and negative pulse (1, 2 points),  $200\text{ms} \leq t \leq 1\text{s}$ . Longtime continuous energizing is not allowed. Operation frequency no more than 6 time/min. It's square pulse and positive pulse makes the contact close while negative pulse makes the contact open. After the excitation, the permanent magnet in product keeps the state of the contact.

### 12 外形安装图 Configurational mounting diagram

125D 外型安装图  
125D configurational mounting diagram

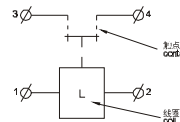


带微动开关 WDK-1 排安装支架外形安装图  
with microswitch WDK-1 and mounting bracket configurational mounting diagram

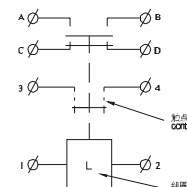


### 13 线路原理图 Circuit diagram

ZLJM-125C □  
 3、4 为触点接线端 (3、4 contact terminal)  
 1、2 为线圈接线端 (1、2 coil terminal)  
 L 为线圈 (L is winding)



ZLJM-125C □ · S  
 带微动开关 (With Microswitch)  
 3、4 为触点接线端 (3、4 contact terminal)  
 1、2 为线圈接线端 (1、2 coil terminal)  
 L 为线圈 (L is winding)  
 A、B、C、D 为微动开关接线端 (A、B、C、D aux. contact terminal)



### 14 简要技术参数 Basic technical data

编号 NO.	参数名称 Parameters	产品代号 Product code
		ZLJM-125C 系列 series
1	线圈额定电压 Rated coil volt (VDC)	12, 24, 30, 48, 60, 72, 120 等 etc
2	( $20 \pm 5^{\circ}\text{C}$ ) 下, 冷态动作电压 (V) Operating volt in cold state at ( $20 \pm 5^{\circ}\text{C}$ )	线圈额定电压的 (25~70)% (25~70)% of rated coil volt
3	触点电路额定负载电流 (Rated load current of contact circuit) (A)	125A
4	触点电路额定电压 (Rated volt of contact circuit) (V DC)	60
5	100A 负载下主触点接触压降 Contact volt drop of main contact at 100A	不大于 80mV not above 80mV
6	最小脉宽 Min pulse width	200ms
7	介电耐压 (相互绝缘的导电部分) Dielectric strength (Between insulated electric parts)	1000VAC 50/60Hz (1 minute)
8	电寿命 Electric life	20,000 Ops.
9	机械寿命 Mechanical life	10 万次 100,000 Ops.
10	线圈电流 Coil current	小于 700mA <700mA
11	工作规范 Working duty	连续 Continuous