

规格书

1. 适用范围(scope of application) 本规格书仅适用于本公司的直流电磁锁 HD2728L-12-28A
(The specification only applies for the Tubular solenoid HD2728L-12-28A of our company.)

2. 标准试验条件 (standard test condition):

- 2-1 环境 (ambience) 周围温度 (ambience temperature) : $20 \pm 2^{\circ}\text{C}$
相对湿度 (relative humidity) : $65\text{RH} \pm 5\%$
大气压 (atmospheric pressure) : 1013mbr
- 2-2 电源 (power supply) 稳定电源 (stabilized power source)
- 2-3 试验负载 (load) 负载 (counter weight)
- 2-4 试验方法 (test mode)
 - (1) 吸入力: 滑杆处于垂直位置, 负载向上
(attraction force: plunger to be vertical and load down)
 - (2) 残留吸引力: 滑杆处于垂位置, 负载向上
(residual magnetism: plunger to be vertical and load down)
 - (3) 保持力: 滑杆处于垂位置, 负载向上
(Holding force: plunger to be vertical and load down)

3. 外形图 (appearance)

3-1 外形尺寸: 参照附图(HD2728L-ZZ)。

4. 额定参数 (rated parameter)

- 4-1 电 压 (Voltage): DC12V
- 4-2 电 流 (Current): 0.43A(at DC12V 20°C)
- 4-3 功 率 (Wattage): 5W
- 4-4 直 流 电 阻 (DC Resistance): $28\Omega \pm 10\%$ 周围温度 20°C (at 20°C)
- 4-5 周期工作率 (duty cycle) : 25%通电 (cycle 25%)
- 4-6 单次最长允许通电时间: 25 秒 (ON MAX 25 SEC)
- 4-7 绝缘 等级 (insulation class) : B 类 (A class)

5. 电气特性 (electronical characteristics)

5-1 力量 (force)

行程 (stroke)	DC12V 初始值 (incipient value)
0MM	$\geq 300\text{gf}$
5MM	$\geq 80\text{gf}$

- 5-2 残留吸引力 (residual magnetism) 在 DC12V 下, 滑杆的重量加上 5gf(垂直方向)
after DC12V applied shall be return at weight of Iron rod 5gf (perpendicular direction)
- 5-3 绝缘 电阻 (insulation resistance) 线圈和框架之间 $100\text{M}\Omega$ (DC500V 常规温度/湿度)
between coil and frame DC500V normal temperature / humidity, $100\text{M}\Omega$ megger
- 5-4 耐 电 压 (withstand voltage) 线圈和框架间 AC500V (50/60Hz) 1 Min 或 AC1200V (50/60Hz) 1Sec(击穿电流 10mA)
between coil and frame AC500V(50/60Hz)1Min or AC1200V (50/60Hz)1Sec (breakdown current 10mA)
- 5-5 温 升 (temperature rise) 在额定电压 DC12V 下, 温升为 65°C Max
after DC12V applied by resistance method 65°C Max
- 5-6 寿 命 (life) 典型值 50 万次 (100%通电率)
repetitious operation for 0.5 million cycle (continuous at DC12V)
- 5-7 端子强度 (leadwire strength) 当施加 0.5kgf(任意方向)时, 不允许脱落
adding 0.5kgf (random rirection) not chip off
- 5-8 工作温度、湿度 (Opration temperature / humidity) $-5^{\circ}\text{C} \sim +55^{\circ}\text{C}$ 5%RH -- 85%RH

附图 (HD2728L-ZZ):

