



规格书 Specification

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 SM1054-1B-DC12V-1.1A
(This specification is only applicable to DC electromagnets of the company SM1054-1B-DC12V-1.1A of our compang.)
2. 标准试验条件 (standard test condition):

2-1 环境 (ambience) 周围温度 (ambience temperature) :20±2℃
相对湿度 (relative humidity) : 65RH±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, 负载向下
(attraction force: plunger to be vertical and load down)

(2) 残留吸引力: 滑杆处于垂位置, 负载向下
(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 up)
3. 外形图 (applearance)

3-1 外形尺寸: 参照附图。图号: 1054-1B-ZZT
(dimension see the attachment.drawing NO. 1054-1B-ZZT)
4. 额定参数 (rated parameter)

4-1 电 压 (Voltage): DC12V

4-2 电 流 (Current): 1.1A(at DC12V 20℃)

4-3 功 率 (Wattage): 13.7W

4-4 直 流 电 阻 (DC Resistance): 10.5Ω ±10% 周围温度 20℃ (at 20℃)

4-5 周期工作率 (duty cycle) : 15%通电 (Electrify 15%)

4-6 绝缘 等级 (insulation class) : F 类 (F class)
5. 电气特性 (electronical characteristics)

5-1 力量 (force)

行程 (stroke)	DC12V 初始值 (incipient value)
10MM	≥140gf

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 100MΩ (DC500V 常规温度/湿度)
between coil and frame DC500V narmal temperature / humidity, 100MΩ megger

5-4 耐 电 压 (withstand voltage) 线圈和框架间 AC500V (50/60Hz)1 Mim 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℃ Max
after DC12V applied by resistance method 65 deg Max

5-6 寿 命 (life) 典型值 50 万次 (15%通电率)
repetitious operation for 0.5 million cycle (coutinuous 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℃ -- +55℃ 5%RH -- 85%RH