


特性 Characteristic

- 70A触点切换能力 High switching capability 70A.
- 具有一组常开触点 1 Form A contact configuration.
- 塑封和防尘罩型可供选择 Dust cover type and sealed type available.
- 可带瞬态抑制电阻或二极管
Transient suppression resistance or diode paralleled type available.

订货标记 Ordering Information

| 型号命名规则 Model Naming Rules | | | | | | | | | | |
|---------------------------|-----|-----|---|---|---|---|----|---|---|--|
| DEDF | -DC | 12V | D | F | 1 | R | -A | S | X | 特殊参数: 无: 标准型 Special Parameters: Blank: Standard type |
| | | | | | | | | | | 封装方式: 无: 扣耳固定式, 防尘罩型 S: 塑封型 Enclosure Type: Blank: Dust cover type, S: Plastic sealed type |
| | | | | | | | | | | 触点形式: A: 常开型 Contact Form: A: Form A |
| | | | | | | | | | | 配件形式: 无: 标准型, D: 带二极管, R: 带电阻 Accessory Form: Blank: Without accessory, D: With diode, R: With resistance |
| | | | | | | | | | | 触点组数: 1: 1组 Number of poles: 1: Single pole |
| | | | | | | | | | | 安装形式: 无: 普通型, F: 外壳带靠背, P: PCB型 Mounting Type: Blank: Without bracket, F: With bracket, P: PCB type |
| | | | | | | | | | | 线圈功耗: D: 1.60W/1.80W, L: 2.0W/2.20W Coil Power: D: 1.60W/1.80W, L: 2.0W/2.20W |
| | | | | | | | | | | 线圈电压: 6V, 12V, 24V, 36V Coil Voltage: 6V, 12V, 24V, 36V |
| | | | | | | | | | | 线圈性质: DC: 直流 Coil Type: DC: Direct current |
| | | | | | | | | | | 产品型号: DEDF Model: DEDF |

线圈参数 Coil Data (at 20°C)

| 额定电压 Rated Voltage (VDC) | 额定电流 Rated Current ±10% (mA) | 线圈电阻 Coil Resistance ±10% (Ω) | 并联电阻 Parallel Resistance (Ω) | 等效电阻 Equivalent Resistance (Ω) | 最大允许电压 Max. Permissible Voltage | 吸合电压 Pick Up Voltage (Max.) | 释放电压 Drop Out Voltage (Min.) | 线圈功率 Coil Power (W) |
|--------------------------------|------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|--|-------------------------------------|-------------------------------------|-----------------------------|
| 6 | 266.67 | 22.5 | --- | --- | 额定电压的150% 150% of rated voltage | 额定电压的60% 60% of rated voltage | 额定电压的10% 10% of rated voltage | 约 Approximately 1.60W |
| 12 | 133.33 | 90 | --- | --- | | | | |
| 24 | 66.67 | 360 | --- | --- | | | | |
| 36 | 44.44 | 810 | --- | --- | | | | |
| 6 | 300.00 | 20 | 180 | 18 | 额定电压的150% 150% of rated voltage | 额定电压的60% 60% of rated voltage | 额定电压的10% 10% of rated voltage | 约 Approximately 1.80W |
| 12 | 150.00 | 80 | 680 | 71.5 | | | | |
| 24 | 75.00 | 320 | 2,700 | 286 | | | | |
| 6 | 333.33 | 18 | --- | --- | 额定电压的115% 115% of rated voltage | 额定电压的60% 60% of rated voltage | 额定电压的10% 10% of rated voltage | 约 Approximately 2.0W |
| 12 | 166.67 | 72 | --- | --- | | | | |
| 24 | 83.33 | 288 | --- | --- | | | | |
| 36 | 55.56 | 648 | --- | --- | | | | |
| 6 | 366.67 | 16.4 | 180 | 15 | 额定电压的115% 115% of rated voltage | 额定电压的60% 60% of rated voltage | 额定电压的10% 10% of rated voltage | 约 Approximately 2.2W |
| 12 | 183.33 | 65.5 | 680 | 59.7 | | | | |
| 24 | 91.67 | 261.8 | 2,700 | 283.7 | | | | |

触点负载 Contact Rating

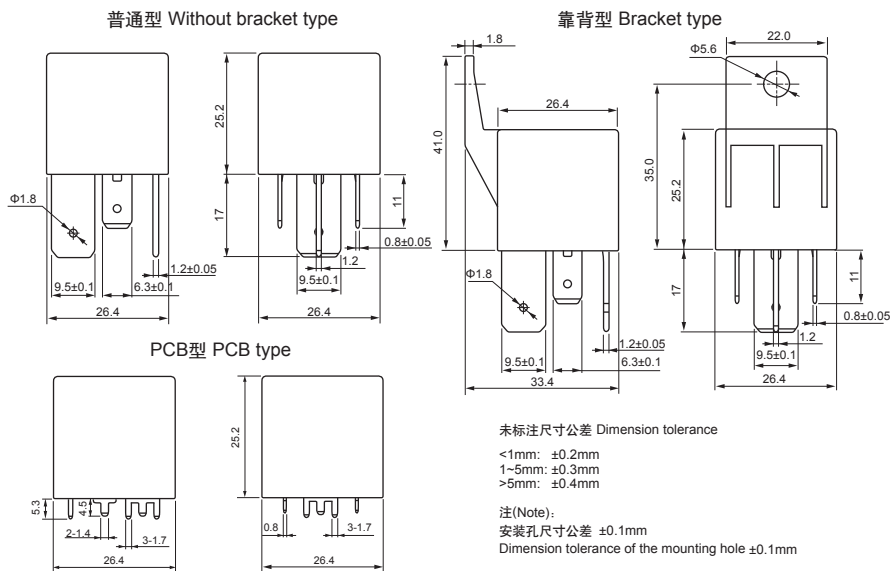
| | | |
|-------------------------------|---------------------|----------------------|
| 型号 Model | DEDF | |
| 阻性负载 Resistive Load | 70A 14VDC (at 85°C) | 50A 14VDC (at 125°C) |
| 最大切换电流 Max. Switching Current | 70A | |
| 最大切换电压 Max. Switching Voltage | 50VDC | |
| 最大切换功率 Max. Switching Power | 980W | |

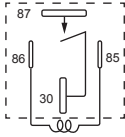
规格说明 Specification

| | | |
|----------------------------|--|---|
| 触点材料 Contact Material | 银合金 Ag Alloy | |
| 接触电阻 Contact Resistance | 50mΩ Max. | |
| 吸合时间 Operate Time | 10ms. Max. | |
| 释放时间 Release Time | 7ms. Max. | |
| 绝缘电阻 Insulation Resistance | 500MΩ Min.(DC500V) | |
| 介电耐压 Dielectric Strength | 触点与触点间 Between open contact: AC500V, 50/60Hz 1min. | |
| | 线圈与触点间 Between coil and contact: AC500V, 50/60Hz 1min. | |
| 抗振动 Vibration Resistance | 耐久 Endurance | 10~55Hz, 双振幅 1.5 mm 10~55Hz, 1.5 mm double amplitude |
| | 误动作 Misoperation | 10~55Hz, 双振幅 1.5 mm 10~55Hz, 1.5 mm double amplitude |
| 抗冲击 Shock Resistance | 耐久 Endurance | 18g Min. |
| | 误动作 Misoperation | 30g Min. |
| 寿命 Life | 机械寿命 Mechanical Life | 10,000,000 operations |
| | 电气寿命 Electrical Life | 100,000 operations |
| 环境温度 Ambient Temperature | -40°C~+125°C | |
| 重量 Weight | 普通型: 约 36.0g Without bracket: Approx. 36.0g | PCB型: 约 30.0g PCB type: Approx. 30.0g |

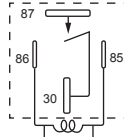
外形尺寸、接线、安装孔位图(mm)

Outline Dimensions, Wiring Diagram, Mounting Hole Layout (mm)

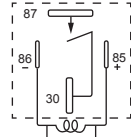




标准型
Without accessory type

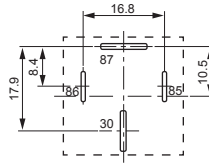


带电阻型
With resistance type



带二极管型
With diode type

接线图(底视图) Wiring Diagram (Bottom View)



安装孔位图(底视图) Mounting Hole Layout (Bottom View)

典型用途 Typical Applications

- 冷却风扇控制, 油泵控制, 加热控制, 汽车空调, 后窗除雾器, 电池断路装置
Cooling fan control, fuel pump control, heating control, automotive air conditioner, rear window defogger, battery breaking device.
- 大灯/雾灯控制, 电力分配, 牵引控制系统, 防抱死制动 (ABS)
Headlight or foglight control, electric power distribution, traction control system, (ABS).

性能曲线图 Performance Curves

