


特性 Characteristic

- 小型大功率, 最大切换负载40安培
 Miniature relay with high power, max. switching capability 40A.
- 低功耗高性能 Low coil power consumption with excellent performance.
- 可供防水型和敞开型 Sealed type washable and open type available.
- 可提供"H"级线圈 Class H coil available.

订货标记 Ordering Information

型号命名规则 Model Naming Rules									
DEDB	-DC	12V	D	U	1	-A	S	X	特殊参数: 无: 标准型 Special Parameters: Blank: Standard type
									封装方式: 无: 敞开型 S: 塑封型 SH: 防水型 Enclosure Type: Blank: Open type, S: Plastic sealed type, SH: Sealed type washable
									触点形式: A: 常开型, B: 常闭型, C: 转换型 Contact Form: A: Form A, B: Form B, C: Form C
									轭铁脚形式: 无: 3轭铁脚, 1: 2轭铁脚 Terminal Arrangement: Blank: Three yoke terminal, 1: Double yoke terminal
									端子形式: U: 美国脚位, E: 欧洲脚位 Terminal Form: U: USA footprint, E: Europe footprint
									线圈功耗: D: 1.60W Coil Power: D: 1.60W
									线圈电压: 6V, 9V, 12V, 18V, 24V, 48V Coil Voltage: 6V, 9V, 12V, 18V, 24V, 48V
									线圈性质: DC: 直流 Coil Type: DC: Direct current
									产品型号: DEDB Model: DEDB

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)	最大连续外加电压 Max. Continuous Voltage Applied	吸合电压 Pick Up Voltage (Max.)	释放电压 Drop Out Voltage (Min.)	额定功率 Power Consumption At Rated Voltage
6	266.67	22.5	额定电压的150% 150% of rated voltage	额定电压的58% 58% of rated voltage	额定电压的10% 10% of rated voltage	约 Approximately 1.60W
9	177.78	50.6				
12	133.33	90				
18	88.89	202.5				
24	66.67	360				
48	33.33	1,440				

触点负载 Contact Rating

型号 Model	DEDB-A	DEDB-C
阻性负载 Resistive Load	40A 14VDC	NO: 40A 14VDC NC: 30A 14VDC
最大切换电流 Max. Switching Current	40A	40A
最大切换电压 Max. Switching Voltage	30VDC	30VDC
最大切换功率 Max. Switching Power	560W	560W

规格说明 Specification

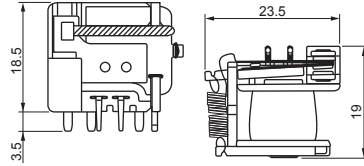
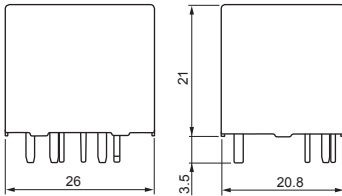
触点材料 Contact Material	银合金 Ag Alloy	
接触电阻 Contact Resistance	50mΩ Max.	
吸合时间 Operate Time	6ms. Max.	
释放时间 Release Time	3ms. Max.	
绝缘电阻 Insulation Resistance	500MΩ Min.(DC500V)	
介质耐压 Dielectric Strength	触点与触点间 Between open contact; AC500V, 50/60Hz 1min.	
	线圈与触点间 Between coil and contact; AC500V, 50/60Hz 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	20g Min.
	误动作 Misoperation	100g 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	敞开型: 约 16.0g Open type: Approx. 16.0g	塑封型: 约 20.5g Sealed type: Approx. 20.5g

外形尺寸、接线、安装孔位图(mm)

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

塑封型 Plastic sealed type

敞开型 Open type



未标注尺寸公差 Dimension tolerance

<1mm: ±0.2mm

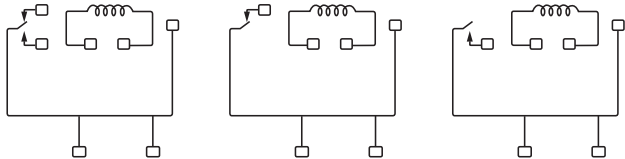
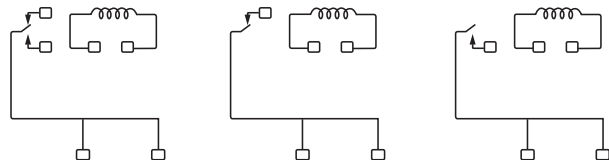
1~5mm: ±0.3mm

>5mm: ±0.4mm

注(Note):

安装孔尺寸公差 ±0.1mm

Dimension tolerance of the mounting hole ±0.1mm

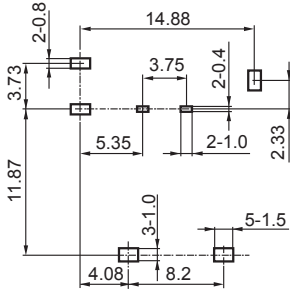
3轭铁脚
Three Yoke terminal2轭铁脚
Double yoke terminal

1c

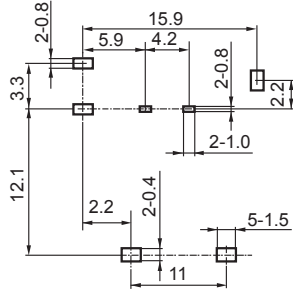
1b

1a

接线图(底视图) Wiring Diagram (Bottom View)



DEDB-U



DEDB-E

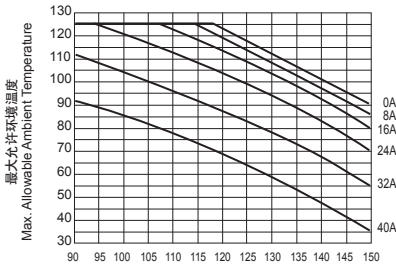
安装孔位图(底视图) Mounting Hole Layout (Bottom View)

典型用途 Typical Applications

- 汽车控制开关箱, 自动控制等 Automotive control switching box, automatic, etc.

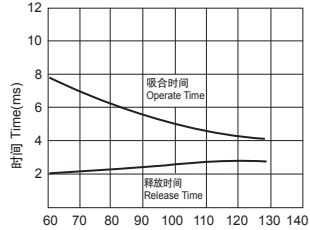
性能曲线图 Performance Curves

环境温度与线圈电压关系图
Ambient Temperature Vs Coil Voltage



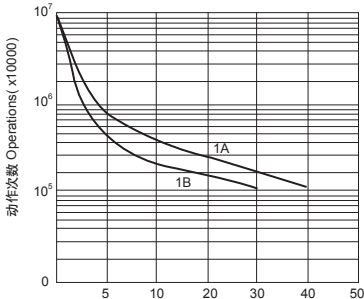
线圈电压额定值的百分比
Percentage of Nominal Coil Voltage

吸合时间/释放时间
Operate Time/Release Time



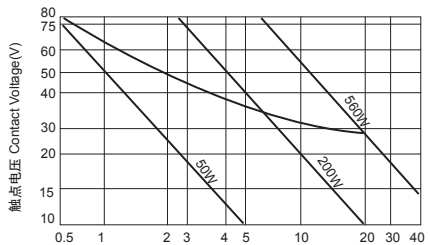
线圈电压额定值的百分比
Percentage of Nominal Coil Voltage

寿命曲线 Life Curve



触点电流 Contact Current(A)

阻性负载下常开触点的灭弧能力
Anti-arc capability of N.O. contacts with resistive load



触点电流 Contact Current(A)