

规格命名

P/N system

**EVD**      **20**      **C**      **12**      **Q**      **A**

| 系列                                     | EVD  | Series   |
|--|--|--|
| 额定电流                                   | 20   | Current(continue)  |
| 主触点形式：<br>“C” = 一组常开，分极性               | C  | Main contacts feature:<br>“C” = 1 form A (NO), polarized |
| 线圈额定电压：<br>“12” = 12VDC ; “24” = 24VDC | 12   | Coil nominal voltage:<br>“12” = 12VDC, “24” = 24VDC      |
| 线圈引出方式：<br>“Q” = 插片式                   | Q  | Coil lead out:<br>“Q” = Insert                           |
| 安装方式：<br>“A” = 底部安装                    | A  | Installation:<br>“A” = Bottom mounting                   |
| 订货编码：<br>EVD20C12QA<br>EVD20C24QA      | D.A5BDQC0-00A7-T000<br>D.B5BDQC0-00A7-T000 | Order code:<br>EVD20C12QA<br>EVD20C24QA                  |

| 电气性能          |  | Electrical Characteristics                           |                                    |
|---------------|--|--|------------------------------------|
| 触点构成          | 1 form A (NO)                              | Contact form   |                                    |
| 接触电阻          | ≤30mΩ(6VDC 20A)<br>(典型值 typical value 5mΩ) | Contact resistance                                   |                                    |
| 额定短时耐受电流及持续时间 | 40A 20min ; 80A 30s                        | Current Endurance                                    |                                    |
| 负载电压          | 12-750 VDC                                 | Load voltage   |                                    |
| 触点极性          | 有极性 polarized                              | Polarity for main contacts                           |                                    |
| 辅助触点          | 无 non                                      | Auxiliary contacts                                   |                                    |
| 绝缘电阻 (初始)     | 1000MΩ (1000V DC)                          | Insulation(initial)                                  |                                    |
| 耐电压<br>(初始)   | 触点间<br>2000V AC 1min ( at 10mA )           | Main contacts  | Dielectric<br>voltage<br>(initial) |
|               | 触点与线圈间<br>3000V AC 1min ( at 10mA )        | Contacts and coil                                    |                                    |
| 寿命            | 机械寿命<br>2×10 <sup>5</sup> 次/cycles         | Mechanical durability                                | Durability                         |
|               | 电气寿命<br>※1, ※2, ※3<br>DC450V, 3000次        | Electrical durability<br>(resistive load) ※1, ※2, ※3 |                                    |

备注：

※1：负载类别：DC-1  
 ※2：接通和断开转换频率，ON：OFF=1秒:9秒；  
 ※3：使用环境温度的上限值，能满足线圈温度上升值的最高温度。  
 以上值均为环境温度 20℃下初始值，试验后不能满足耐压和绝缘电阻要求。

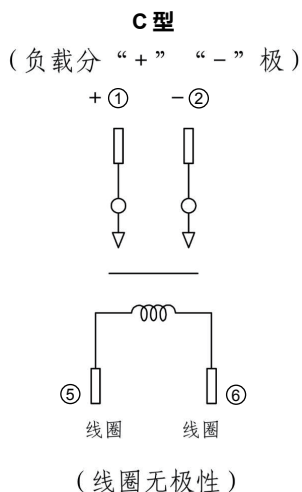
Note：

※1：Load type：DC-1  
 ※2：ON：OFF=1 sec：9sec；  
 ※3：Limit of ambient temperature, can meet the maximum temperature of coil temperature appreciation.  
 The above values are the initial values under the ambient temperature of 20 °C, which can not meet the requirements of withstand voltage and insulation resistance after the experiment.



接线示意图

Schematic



**C Type**

main contact is polarized for ( + ) , ( - ) Coil is non-polarized.

扭矩范围

Torque range

主触点连接铜导线公称横截面积

4mm<sup>2</sup> Min

Nominal section area of conductor

环境性能

Environmental Characteristics

冲击

20g peak , 11ms 1/2 sine  
(线圈通电 coil energized)

Shock

振动

4g peak , 10~500 Hz sine

Vibration

使用与贮存环境温度

-40°C - +85°C

Temperature range

使用与贮存环境湿度

5% - 95%RH  
(无结露、结冰 No condensation and freezing)

Humidity range

动作时间

Operate times

动作/吸合 (含弹跳) 时间

≤30ms ( at20°C )

Operate(include bounce)

复位/释放 (含弹跳) 时间

≤12ms ( at20°C )

Release(include bounce)