

## ORDERING CODE 订购代码

HLS-CMA3-1-DC12V-C-NS-P

P: PC BOARD MOUNTING LEADS  
 Q: QUICK CONNECT LEADS  
 NS: NO SHOULDER  
 NIL: WITH SHOULDER  
 CONTACT FORM  
 A: 1 FORM A ; C: 1 FORM C  
 NOMINAL VOLTAGE  
 DC6V, DC12V, DC24V  
 TYPE

### CONTACT DATA 触点参数:

|                            |           |                                 |
|----------------------------|-----------|---------------------------------|
| Contact Form               | 触点形式      | 1A/1C                           |
| Contact Material           | 触点材料      | Ag Alloy                        |
| Contact Ratings            | 触点负载      | 1A:80A 14VDC 1C:NO/80A NC:60A   |
| Max Switching Voltage      | 最大转换电压    | 75VDC                           |
| Max Switching Current      | 最大转换电流    | 80A                             |
| Max Switching Power        | 最大转换功率    | 1120W                           |
| Initial Contact Resistance | 接触电阻 (首次) | 100mΩ Max at 6VDC 1A            |
| Life Expectancy Electrical | 电气寿命      | 100,000 Operations (rated load) |
| Life Expectancy Mechanical | 机械寿命      | 10,000,000 Operations (no load) |

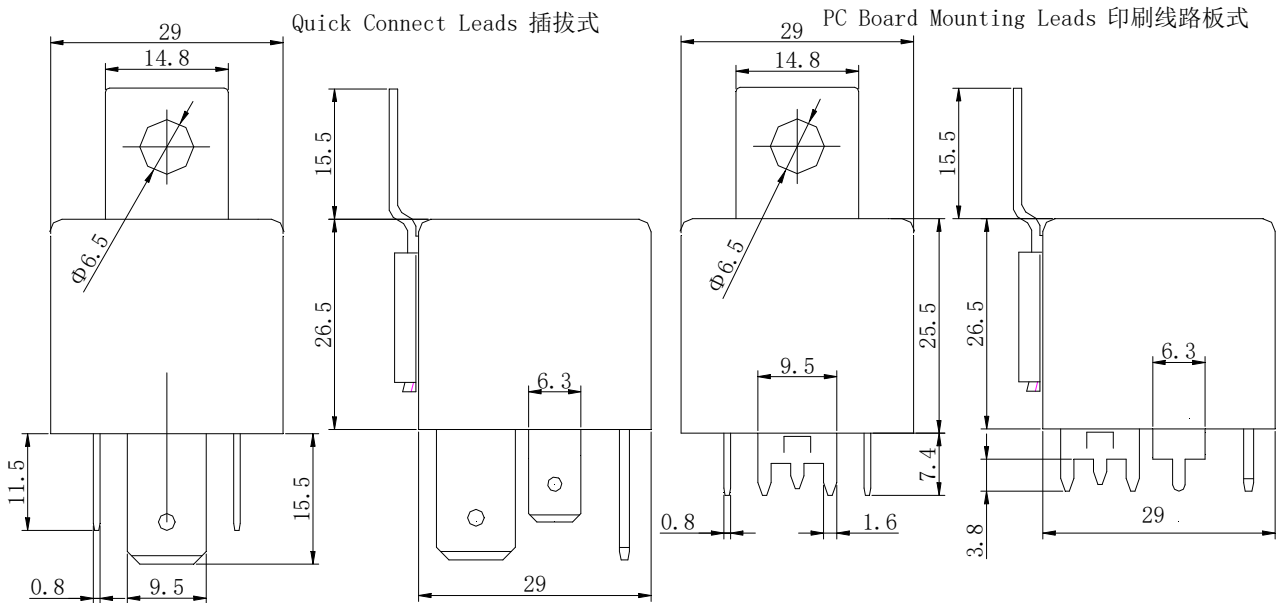
### GENERAL DATA 一般参数:

|   |          |                                 |
|---|----------|---------------------------------|
| Insulation Resistance                         | 绝缘阻值     | 100MΩ min at 500VDC             |
| Dielectric Strength Between Open Contacts     | 触点间耐压    | 500VAC 50-60HZ (1 minute)       |
| Dielectric Strength Between Contacts And Coil | 触点与线圈间耐压 | 750VAC 50-60HZ (1 minute)       |
| Operate Time                                  | 吸合时间     | 10ms max                        |
| Release Time                                  | 释放时间     | 10ms max                        |
| Ambient Temperature                           | 环境温度     | -40°C to +125°C                 |
| Shock Resistance                              | 冲击       | 10G                             |
| Vibration Resistance                          | 振动       | 10-55Hz, 1.5mm double amplitude |
| Ambient humidity                              | 湿度       | 40-85% RH                       |
| Weight  | 重量       | Approx 45g                      |
| Safety Standard                               | 安全标准     |                                 |

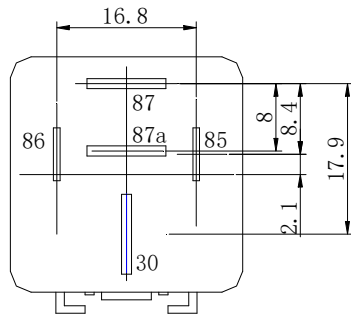
**COIL DATA 线圈参数: (@20°C)**

| Rated Voltage<br>额定电压<br>(VDC) | Coil Resistance $\Omega$ ( $\pm 10\%$ )<br>线圈阻值 | Max Operate Voltage<br>最大吸合电压<br>(VDC) | Min Release Voltage<br>最小释放电压<br>(VDC) | Max Applied Voltage<br>最大允许电压<br>(VDC) |
|--------------------------------|---|--|--|--|
|                                | 1.8W  |  |  |  |
| 6                              | 20  | 3.9                                    | 0.6                                    | 7.8                                    |
| 12                             | 80  | 7.8                                    | 1.2                                    | 15.6                                   |
| 24                             | 320   | 15.6                                   | 2.4                                    | 31.2                                   |

Outline Dimension 外形尺寸 (mm)

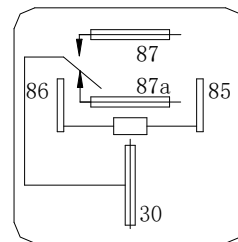


PC Board layout 安装图



(Bottom View 底视)

Wiring Diagram 接线图



(Bottom View 底视)

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