

特点

- 晶体管或 MOSFE 输出
- 光电隔离
- 负载电流：0.1A、3A
- PCB 板或底座安装
- 负载电压：24VDC 或 48VDC
- 介质耐压：2500Vrms
- 符合 RoHS

Features

- Transistor or MOSFET Output
- Optical Isolation
- Load Current : 0.1A, 3A
- Load Voltage: 24VDC or 48VDC
- PCB or Socket Mounted
- Dielectric Strength: 2500Vrms
- RoHS Compliant



DRPS-1C-SSR-DXX/DXX

常用继电器组合 Relay Combination Quickcheck

继电器 Relay	底座 Socket	套装输入电压 Assembled Input Voltage	套装输出电压 Assembled Output Voltage	套装输出电流 Assembled Output Current	套装型号-螺钉 Assembled Model-Screw	套装型号-直插 Assembled Model-Push-in	导通时间 Turn-on Time	关断时间 Turn-off Time
DRPS-1C-SSR-D24/D24/3-09Z(H)	螺钉:DPSF05A-E1-00Z(H)	24VDC	24VDC	3A	DRPSS-1C-SSR-L-D24/D24/3-09Z(H)	DRPSP-1C-SSR-L-D24/D24/3-09Z(H)	18μs	100μs
DRPS-1C-SSR-D24/D48/0.1-09Z(H)	直插:DPRF05A-E1-00Z(H)	24VDC	48VDC	0.1A	DRPSS-1C-SSR-L-D24/D48/0.1-09Z(H)	DRPSP-1C-SSR-L-D24/D48/0.1-09Z(H)	10μs	150μs
DRPS-1C-SSR-D60/D24/3-09Z(H)	螺钉:DPSF05B-E1-00Z(H)	220VAC	24VDC	3A	DRPSS-1C-SSR-L-A220/D24/3-09Z(H)	DRPSP-1C-SSR-L-A220/D24/3-09Z(H)	7ms	7ms
DRPS-1C-SSR-D60/D48/0.1-09Z(H)	直插:DPRF05B-E1-00Z(H)	220VAC	48VDC	0.1A	DRPSS-1C-SSR-L-A220/D48/0.1-09Z(H)	DRPSP-1C-SSR-L-A220/D48/0.1-09Z(H)	6ms	3ms

技术参数 General Specifications

输入参数 (Ta=25°C) Input Specifications (Ta=25°C)

额定输入电压 Rated Input Voltage	DC5V	DC12V	DC24V	DC48V	DC60V
控制电压范围 Control Voltage Range	4-6VDC	9.6-14.4VDC	19.2-28.8VDC	38.4-57.6VDC	48-72VDC
确保持续电压 Must Turn-on Voltage	4VDC	9.6VDC	19.2VDC	38.4VDC	48VDC
确保关断电压 Must Turn-off Voltage	1VDC	2.4VDC	2.4VDC	4.8VDC	4.8VDC
最大控制电流 Maximum Input Current	25mA (@6VDC)	25mA (@14.4VDC)	25mA (@28.8VDC)	20mA (@57.6VDC)	15mA (@72VDC)
输入频率 Input Frequency	300Hz				300Hz (10Hz with AC socket)

输出参数 (Ta=25°C) Output Specifications (Ta=25°C)

负载电压范围 Load Voltage Range	24V: 3-28VDC	48V: 3-58VDC
最大瞬态电压 Maximum Transient Overvoltage	24V: 33VDC	48V: 58VDC
负载电流范围 Load Current Range	0.1A: 0.001 - 0.1A	3A: 0.002 - 3A
最大导通时间 Maximum Turn-on Time	300μs	
最大关断时间 Maximum Turn-off Time	300μs	
最大浪涌电流(在10ms内) Maximum Surge Current (@10ms)	0.1A: 1A	3A: 30A
最大静态漏电流(在额定电压下) Maximum Off-State Leakage Current@Rated Load Voltage	100μA	
最大导通压降(在额定电流下) Maximum On-State Voltage Drop@Rated Current	0.1A: 1.5VDC	
最大通态电阻 Maximum On-State Resistance	2A/3A/4A: 37mΩ	

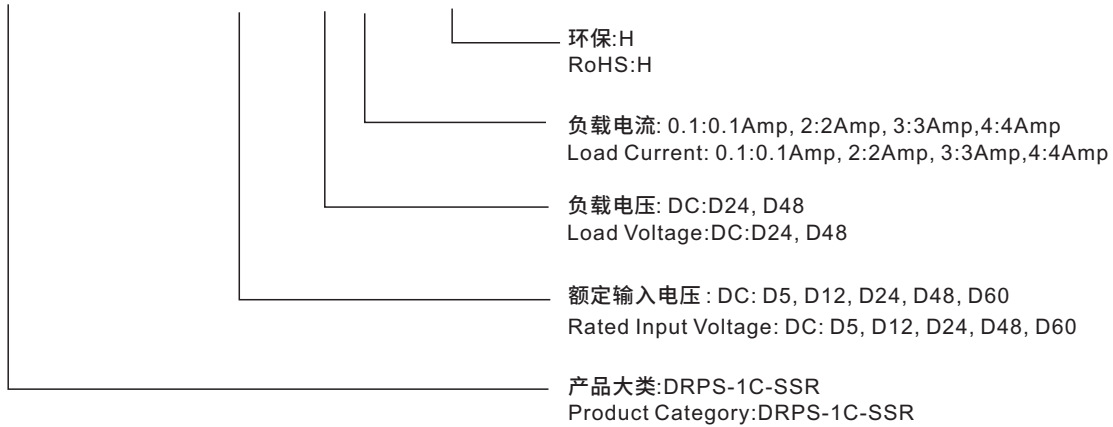
其他参数 (Ta=25°C) General Specifications (Ta=25°C)

介质耐压(输入-输出, 50Hz/60Hz) Dielectric Strength (50/60Hz)	2500Vrms
绝缘电阻(@500VDC) Minimum Insulation Resistance (@500VDC)	1000MΩ
工作温度范围* Ambient Temperature Range*	-30°C ~ +80°C
储存温度范围 Storage Temperature Range	-30°C ~ +100°C
重量(典型值) Weight (Typical)	4g

* 需要紧密安装使用时, 请与我司技术支持取得联系。
* Please contact our technical support if you need to use it for close installation.

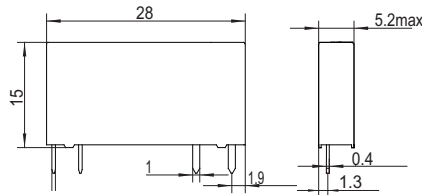
型号订购 Model Order

DRPS-1C-SSR-D24/D24/3-09Z(H)



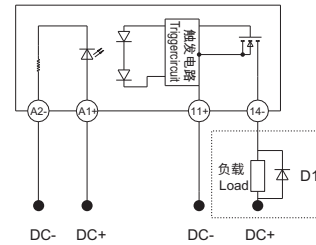
外形尺寸图 Overall Dimensions

DRPS-1C-SSR



接线图 Wiring Diagrams

DRPS-1C-SSR



注: 当使用感性负载时必须加抑制电路, 如图负载两端反并联续流二极管D1, D1: 快速恢复二极管。
Note: When the relay is used for inductive load control, please be sure to use a suppression circuit, just like the drawing above. Both load terminals are inverse parallelled with a fly-wheel diode D1. D1: Fast Recovery Diode

温度曲线 Thermal Derating Curve

