

产品规格书

Product Datasheet

F5-MD0008R

主要信息 Main



产品系列 Range Of Product	FC5
产品类型 Product Or Component Type	离散量输出模块 Discrete output module
离散量输出数量 Discrete output Number	8
离散量输出类型 Discrete output Type	继电器 Relay

补充信息 Complementary

继电器输出特性 Relay Output

特性 Characteristics		参数 Parameter
额定电压 Rated Voltage		DC 24V; AC 220V
输入范围 Input range		DC 5V~30V; AC100V~250V
额定电流 Rated Current		最大 2A/点 Max 2A/Point
电流/组 (4 点) Current/group (4-point)		4A (继电器输出, 在 60°C时需降容 50%) 4A (relay output @60°C, 50% derating required)
峰值 Peak	最大切换电压 Maximum switching voltage	AC 250V; DC 30V
	电流/点 Current/point	5A
隔离类型 Isolation type		继电器线圈 Relay coil
最大输出频率 Maximum output frequency	最大负载 Max Load	0.1Hz
	无负载 Without load	5Hz
阻性负载 Resistive load		2A/点, DC 24V/ AC 220V
机械寿命 Mechanical life		最少 5,000,000 次 Minimum 5,000,000 times
电气触点寿命 Electrical contact life		最少 100,000 次 Minimum 100,000 times
短路保护 Short circuit protection		无 None
接线端子 Wiring terminal		可拆卸端子台 Removable terminal block

环境特性 Environmental Characteristics

类别 Category	特性 Characteristic
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运行环境温度 Operating ambient temperature	-10°C~60°C
存储温度 Storage temperature	-20°C~70°C
相对湿度 Relative humidity	55%~95%, 无凝露 without condensation
污染等级 Class of pollution	2 (IEC60664)
防护等级 Class of protection	IP20
涂层 Coating	涂层防护, 干膜厚度≥20μm; 加强版干膜厚度≥40μm Coated protection, dry film thickness ≥ 20μm; reinforced dry film thickness ≥ 40μm
海拔高度 Altitude	运行: 0m~3,000m Operation: 0m~3,000m 运输: ≤6,000m Transportation: ≤6,000m
抗震性能 Seismic performance	5Hz~13.2Hz, 振幅 7mm; 13Hz~100Hz, 加速度 2G, X、Y、Z 三轴方向各 20 次 5~13.2Hz Amplitude 7mm, 13Hz~100Hz Acceleration 2G, 20 times each in X, Y and Z axes
抗冲击性能 Impact performance	半正弦波, 加速度 15G, 持续 11ms, X、Y、Z 三轴方向各 6 次 Semi-positive sine wave, acceleration 15G, duration 11ms, 6 times in each of the X, Y and Z directions

电磁敏感性 Electromagnetic Susceptibility

Standard	Method	Item
EN IEC 61000-6-4:2019	CISPR 16-2-1	Conducted Emissions at AC Mains Power Port (150kHz-30MHz)
	CISPR 32	Conducted Emissions at Wired Network Port(150kHz-30MHz)
	CISPR 16-2-3	Radiated Emissions(30MHz-1GHz)
	CISPR 16-2-3	Radiated Emissions(Above 1GHz)
EN IEC 61000-6-2:2019	EN 61000-4-6:2014	Conducted Immunity at AC Mains Power Port(150kHz-80MHz)

Standard	Method	Item
	EN 61000-4-6:2014	Conducted Immunity at Signal Port 150kHz-80MHz
	EN 61000-4-4:2012	Electrical Fast Transients Burst at AC Mains Power Port
	EN 61000-4-4:2012	Electrical Fast Transients Burst at Signal Port
	EN 61000-4-2:2009	Electro static Discharge
	EN 61000-4-8:2010	Power Frequency Magnetic Field
	EN IEC 61000-4-3:2020	Radiated Immunity(80MHZ-6GHz)
	EN 61000-4-5:2014+A1:2017	Surge at AC Mains Power Port
	EN 61000-4-5:2014+A1:2017	Surge at Signal Port
	EN IEC 61000-4-11:2020	Voltage Dips and Interruptions

F5 系列交流电源型 PLC 系统符合下述的安全标准：

The F5 Series AC power supply type PLCs system meets the following safety standards:

- IEC 61010-1:2010 + A1:2019
- AMD1: 2016

端子定义 Definition of Terminals

F5-MD0008R	上 侧 Upper side	C0	Q0	Q1	Q2	Q3	●
	下 侧 Lower side	C2	Q4	Q5	Q6	Q7	●

外形尺寸 Dimension:

40*94*83 (W*H*D)

单位 Unit: mm

