

Carry Current : 25A/High Power Type 通電電流 20A/高功率類型

OKITA

1a · Mercury Relay 1a · 水銀繼電器

Part Number / Feature 品名 / 特長

- MR - 10 * * YS

Coil- voltage 線圈電壓

- High Carry Current type of 20A, high breakdown voltage and axial-lead (tubular) type. Ultra long life span, mechanical life expectancy is more than 10^{10} operations.
- 是 20A 通電，高耐壓類型，管型電容氣繼電器。壽命長達 10 億次以上(機械式)，超長壽命。



Specifications 規格	Item 項目	Standard 規格
Contact Specifications 接點規格	Contact Form 接點規格	1a (make mercury)
	Contact Rating 接點定格	100 W
	Switching Voltage 最大開關電壓	DC.2000V *When switching DC2000V, current is 1.0 mA max.
	Switching Current 最大開關電流	2.0A
	Carry Current 最大通電電流	10A (Continuous Current) 20A (pulse current: pulse width=50mS Max., Duty=10% Max., Operating temp. 40°C Max.) 30A (pulse current: pulse width=50mS Max., Duty=5% Max., Operating temp. 40°C Max.)
Electrical Specifications 電氣規格	Contact Resistance 接觸電阻	50m Ω MAX.
	Breakdown Voltage 耐電壓	Between contacts DC.4500V MIN.
		Contacts to coil DC. 4500V MIN. Contacts to shield DC. 4500V MIN. Coil to shield DC. 4500V MIN.
	Insulation Resistance 絕緣阻抗	Between all isolated pins 1×10^{11} Ω MIN.
	Capacitance 靜電容量	Across Open contacts 1.5 pF typ. (Shield Guarding)
	Thermal Electromotive Force 熱起電力	60 μ V Max.
	Operate Time 動作時間	2.0mS Max. (at Nominal Voltage)
Release Time 釋放時間	2.0mS Max. (at Nominal Voltage)	
Mechanical Specifications 機械規格	Vibration 耐振動	20G(0~55Hz, 1.5mm)
	Shock 耐衝擊	30G(11mS, 1/2 Sin Wave)
Environmental 環境	Operating Temperature 使用周圍溫度	-10°C~+60°C
	Storage Temperature 保存周圍溫度	-30°C~+80°C
Life Expectancy 壽命	Mechanical 機械的	1×10^{10} MIN. Operations

Coil Specifications 線圈規格

Part Number 品名	Nominal Voltage DC ± 10% [V] 額定電壓	Coil Resistance ± 10% [Ω] at 20°C 線圈阻抗	Nominal Current [mA] at 20°C 額定電流	Must-Operate Voltage MAX.[V] at 20°C 啟動電壓
MR-1005YS	5	120	41.7	3.8
MR-1012YS	12	600	20.0	8.4
MR-1024YS	24	2000	12.0	16.8

Dimensions / Terminal Identification (Unit:mm) 外型尺寸圖 / 結線圖 (單位:毫米)

