

# Carry Current: 10A and High Power 最大通電: 10A 高功率類型

## OKITA

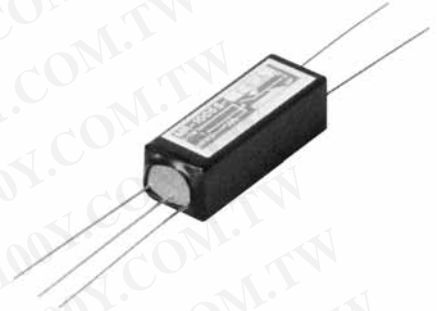
### 1a · Mercury Relay 1a · 水銀繼電器

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## Part Number / Feature 品名 / 特長

### ● MR-1000 S 10A - \* \*

- Insulation resistance power specification 絕緣阻抗係數
  - 10: Insulation resistance >  $10^{10} \Omega$  (-10: 絕緣阻抗 >  $10^{10} \Omega$ )
  - 11: Insulation resistance >  $10^{11} \Omega$  (-11: 絕緣阻抗 >  $10^{11} \Omega$ )
  - 12: Insulation resistance >  $10^{12} \Omega$  (-12: 絕緣阻抗 >  $10^{12} \Omega$ )
- Except coil to shield. 線圈-- 接地除外
- Carry current: 10A 最大通電電流:10A
- Electrostatic-shield 靜電遮蔽接地
- Coil voltage 線圈電壓



- It's large carry current of 10A and high voltage type. The life is very long that with 10 billion operations or more (mechanical).
- 此為通電電流10A的大電流類型屬於高耐壓。壽命達100億回以上(機械式)屬於超高壽命。

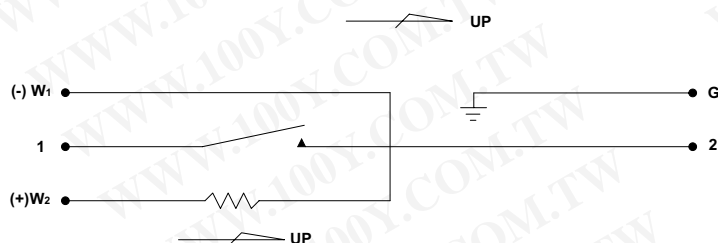
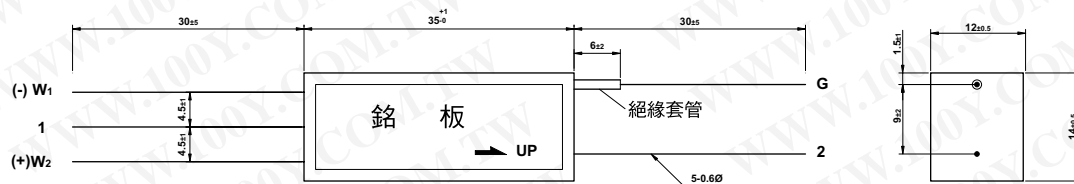
## Performance 性能

Specifications 規格	Item 項目	Standard 規格
Contact Specifications 接點規格	Contact Form 接點型式	1a (make mercury)
	Contact Rating 接點額定	100 W
	Max. Switching Voltage 最大切換電壓	DC. 500V
	Max. Switching Current 最大切換電流	2 A
	Max. Carry Current 最大通電電流	10 A
	Contact Resistance 接點接觸阻抗	50m $\Omega$ MAX.
Electrical Specifications 電氣規格	Breakdown Voltage 耐電壓	Between contacts DC.3500V Contacts to shield DC.3500V Contacts to coil DC.3500V Coil to shield DC.3500V
	Insulation Resistance 絕緣阻抗	Between all isolated pins $1 \times 10^9 \Omega$ MIN. (DC.100V)
	Capacitance 靜電容量	Across Open contacts 2.0pF MAX. (Shield guarding)
	Thermal Electromotive Force 熱起電力	60 $\mu$ V TYP.
	Operate Time 動作時間	(1 Pulse) 3.0mS MAX. (at Nominal Voltage)
	Release Time 釋放時間	(1 Pulse) 3.0mS 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
Life Expectancy 壽命	Mechanical 機械的	$1 \times 10^{10}$ MIN. Operations
	Electrical 電氣的	DC.24V-10mA $5 \times 10^9$ MIN. Operations (R.L.) DC.50V-2A $1 \times 10^8$ MIN. Operations (R.L.)

## Coil Specifications 線圈規格

Part Number 品名	Nominal Voltage DC $\pm 10\%$ [V] 額定電壓	Coil Resistance $\pm 10\%$ [ $\Omega$ ] at 20°C 線圈阻抗	Nominal Current [mA] 額定電流	Must-Operate Voltage MAX.[V] at 20°C 啟動電壓
MR-1024S10A	24	1200	20.0	16.8
MR-1012S10A	12	400	30.0	8.4
MR-1005S10A	5	120	50.0	3.5

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



Weight about 15gr

備註：安裝時，UP 表示方向，並請於垂直  $\pm 30\mu$  範圍內裝置。