High voltage Relay Module



>20KV Reed Relay Photo shows each 2 HV Reed Relays (Model HVR12-1A15-06-150) are installed in a PCB, and breakdown voltage 20KVdc at least.

APPLICATIONS

- Automatic Test System
- Medical and hipot Test instrument
- Across ceramic vacuum relay

DESCRIPTION

High voltage Relay Module HRM-20K-06 series are designed switch high voltages, standoff even higher voltages, and carry very high current levels, suitable for switching voltage up to 10K VDC and breakdown voltage up to 20K VDC with 1000Giga ohms between coil and contact. HRM-20K-06 series are not only ideally used in high voltage On/Off line like as automatic test system, but the contact resistance is required as very low and good repeating.

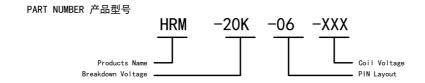
FEATURES

- Single pole single throw,normally open(1 Form A)
- Breakdown Voltage across contact up to 20K Vdc
- Insulation coil to contact up to 20KVdc
- High voltage switching up to 10KVdc Hermetically sealed switches with epoxy encapsulation Millions of reliable operations
- There are terminals to connect wires on the PCB, so the user can install 2,4,6 or 10 relays easily.

RELAY DATA

Contact	Unit	Condition	20KV Relay Moudle	
Contact Form			SPST	
Contact Rating	W		50	
Breakdown Voltage	VDC	according to IEC 255-5	20000	
Contact Material			Tungsten	
Switch Voltage	VDC	DC or AC peak	10000	
Swtich Current	Α	DC or AC peak	3. 0	
Carry Current	А	DC or AC peak	5. 0	
Contact Resistance	mohm		200	
Insluation Resistance	ohm	contact to contact	10 ¹²	
Operate time	ms	include bounce	3. 0	
Release time	ms		1. 5	
Capacity	pF		1. 6	
Coil at 20°C			12	24
Coil Resistance	ohm		200	600
Pull in voltage	V	DC	9.0	18.0
Drop out voltage	V	DC	1.0	2.0
Product Data				
Isolation Contact to Coil	VDC	according to IEC 255-5	20000	
Insulation Resistance Contact to all other Terminals	ohm		10 ¹²	
Life time	Cycle		10 ⁶	
Environmengtal Data				
Operating Temperature			−20°C to +70°C	
Weight			120g	

ORDER INFORMATION



For example: HRM-20K-06-12V HRM-20K-06-24V



The photo shows as some H. V Reed Relays (Model: HVR12-1A15-06-150) are installed in a PCB. Misensor offers the PCB when customer buys the Reed Relay. And where on the PCB there are terminals to connect wires, so the user can install 2, 4 or 6 relays easily.