

Rus E158859 A R50044268

Features

- DIL pitch terminals. High sensitivity.
- Conforms to FCC Part 68 1.5kV surge and dielectric 1000VAC.
- High reliability bifurcated contact.
- · Application for telecommunication equipment, office equipment, security alarm systems, measuring instruments, medical monitoring equipment, audio visual equipment, flight simulator, sensor control.

Ordering Information M4 12 3 Enclosure: H: Wash tight 1 Part mumber: M4 4 Contact material: Nil: AgPd; W: AgNi 2 Coil rated voltage: DC:3:3V; 5:5V; 6:6V; 9:9V; 5 Nominal coil power: Nil:0.15W; A:0.2W 12:12V; 24:24V; 48:48V

Contact Data

Contact D	ata		
Contact Arrangement		2C(DPDT(B-M)) (Bifurcated Crossbar)	
Contact Material		AgPd(Au plated) AgNi(Au plated)	
Contact Rating (Resistive)		1A/24VDC; 2A/30VDC; 0.5A/120VAC	
Max. Switchi	ng Power	60W 125VA	Min. Switching Load: 0.01mA/10mV(Reference Value)
Max. Switching Voltage		220VDC 250VAC	Max. Switching Current:2A
Contact Resistance		≤50m Ω	Item 4.12 of IEC 61810-7
Operational Life	Electrical	1A/24VDC: 5×10 ⁵ (Ag Ni: 1×10 ⁵) 2A/30VDC:1×10 ⁵ 0.5A/120VAC:2×10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	1×10 ⁸	Item 4.30 of IEC 61810-7

Relays previously tested or used above 10mA resistive at 6VDC maximum or peak AC open circuit are not recommended for subsequent use in low level applications.

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (70% or 66%of rated	Drop-out voltage VDC(min)	Coil power W	Operate time ms	Release time ms
	Rated	Max.		voltage)	(5% or 10% of rated voltage)			
M4-003	3	7.5	60	2.1	0.15	0.15		
M4-005	5	12.5	167	3.5	0.25	0.15		
M4-006	6	15.0	240	4.2	0.3	0.15	Approx. 4.5	Approx. 1.5
M4-009	9	22.5	540	6.3	0.45	0.15		
M4-012	12	30.0	960	8.4	0.6	0.15		
M4-024	24	52.9	3840	16.8	1.2	0.15		
M4-048	48	84.9	7680	33.6	2.4	0.30		
M4-003A	3	6.5	45	2.1	0.3	0.2		
M4-005A	5	10.8	125	3.5	0.5	0.2		
M4-006A	6	13.0	180	4.2	0.6	0.2		
M4-009A	9	19.5	405	6.3	0.9	0.2	Approx.	Approx.
M4-012A	12	26.5	720	8.4	1.2	0.2	4.5	1.5
M4-024A	24	52.9	2880	16.8	2.4	0.2		
M4-048A	48	103.9	11520	33.6	4.8	0.2		

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria. 3.Unless otherwise stated, the rated coil voltage specified in coil parameter table shall be used for all tests and its application to the relay.

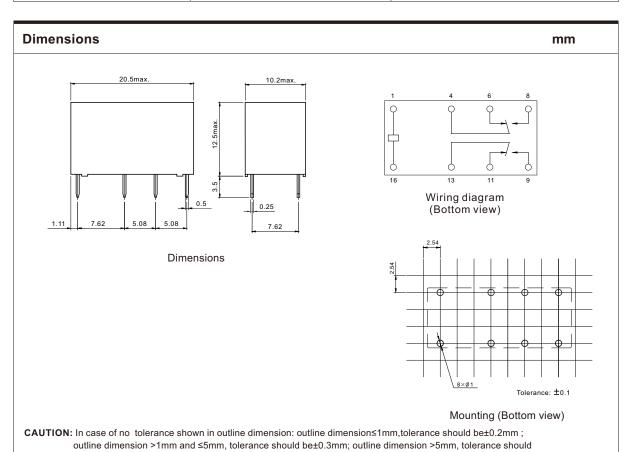
Characteristics

Onaraotoristios		
Electrostatic Capacitance		
Between Open Contacts	Approx.0.7pF	Item 4.41 of IEC 61810-7
Between Coil & Contacts	Approx.1.0pF	Item 4.41 of IEC 61810-7
Between Contact Poles	Approx.0.9pF	Item 4.41 of IEC 61810-7
Insulation Resistance	1000M Ω min (at 500VDC)	Item 4.41 of IEC 61810-7
Dielectric Strength		
Between Open Contacts	1000VAC 1min	
Between Coil & Contacts	1000VAC 1min	Item 4.9 of IEC 61810-7
Between Contact Poles	1000VAC 1min	
Surge Withstand Voltage		
Between Open Contacts	1500V	
Between Coil & Contacts	1500V	FCC 68
Between Contact Poles	1500V	
Shock Resistance	Functional:98m/s² 11ms;	Item 4.26 of IEC 61810-7
Chock redictance	Destructive:980 m/s ² 6ms	110111 4.20 01 12 0 10 10-1
Vibration Resistance	10Hz~55Hz Double amplitude	Item 4.28 of IEC 61810-7
	Functional:1.5mm Destructive:5mm	116111 4.20 01 1LC 01010-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Tomporatura Banga	-40℃~90℃(-40°F~194°F)	
Temperature Range	(-40°C~80°C for 0.3W Coil)	
Mass	Approx. 4.8g	Item 4.7 of IEC 61810-7

Safety Approvals

be±0.4mm.

Safety approval	UL&CUR	TUV
Load	1A/24VDC; 2A/30VDC; 0.5A/120VAC	1A/24VDC; 0.5A/120VAC



FORWARD RELAYS

