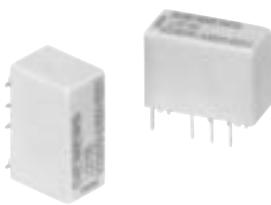


Through Hole or Surface Mount

**Features**

- Surface and through hole mounting types.
- Breakdown voltage between contacts and coil: 1,800V.
- Surge withstand between contacts and coil: 2,500V (Bellcore).
- High capacity contact: 2A @ 30VDC.
- 2 Form C contact arrangement.
- Board space saving, vertical mount (14.6 x 7.2mm surface area).
- Immersion cleanable, plastic sealed case.
- Single and dual coil latching versions available.

Contact Data

Arrangement: 2 Form C (DPDT).

Material: **B201:Stationary Contacts:** Gold overlay on silver palladium.

Movable Contacts: Palladium silver.

B301:Stationary and Movable Contacts:

Gold overlay on silver nickel.

Rating:

Max. Switching Voltage: 250VAC, 220VDC.

Max. Switching Current: 2A.

Max Carrying Current: 2A.

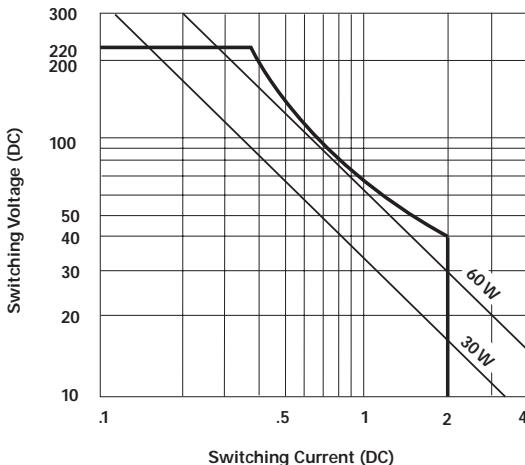
Max Switching Power: 60W, DC, resistive.
62.5VA, AC, resistive.

Min. Permissible Load: 500µV.

Expected Mechanical Life: Approx. 100 million ops.

Expected Electrical Life: 500,000 ops. @ 1A, 30VDC,
10 million ops. @ 100mA, 6VDC.

Initial Contact Resistance: 50 milliohms @ 10mA, 20mV.

Figure 1 - Limiting Curve for Contact Loads**Initial Dielectric Strength**

Between Open Contacts: 1,000V rms for 1 min.

Between Adjacent Contact Terminals: 1,800V rms for 1 min.

Between Contact and Coil: 1,800V rms for 1 min.

Surge Voltage:

Between Contact and Coil (10 x 160 µs): 1,500V (FCC Part 68).

Between Contact and Coil (2 x 10 µs): 2,500V (Bellcore).

Initial Insulation Resistance

Between Mutually Insulated Conductors: 10^9 ohms @ 500VDC.

V23079 series**2 Amp, High Dielectric****2 Pole Polarized****FCC Part 68****PC Board Relay**

File E48393

File LR45064

CECC 16 100/16 200/16 500

Coil Data @ 20°C

Voltage: 3-48V.

Nominal Power:

Non-Latching: 140mW.

Single Coil Latching: 70mW.

Dual Coil Latching: 140mW.

Nominal Voltage (VDC)	Operating Range @ 20°C		Coil Resistance @ 20°C
	Must Operate Voltage (VDC)	Max. Voltage (VDC)	
Non-Latching, 140mW Nominal Power			
3	2.25	6.5	64 ± 6
4.5	3.375	9.8	145 ± 15
5	3.75	10.9	178 ± 18
6	4.50	13.0	257 ± 26
9	6.75	19.6	578 ± 58
12	9.0	26.1	$1,029 \pm 103$
24	18.0	52.3	$4,114 \pm 411$
48	36.0	101.0	$15,362 \pm 1,536$
Single Coil Latching, 70mW Nominal Power			
3	2.25	9.2	128 ± 13
4.5	3.375	13.8	289 ± 29
5	3.75	15.3	357 ± 36
6	4.5	18.5	514 ± 51
9	6.75	27.7	$1,157 \pm 116$
12	9.0	37.0	$2,057 \pm 206$
24	18.0	74.0	$8,228 \pm 823$
Dual Coil Latching, 140mW Nominal Power			
3	2.25	6.5	64 ± 6
4.5	3.375	9.8	145 ± 15
5	3.75	10.9	178 ± 18
6	4.5	13.0	257 ± 26
9	6.75	19.6	578 ± 58
12	9.0	26.1	$1,029 \pm 103$
24	18.0	52.3	$4,114 \pm 411$

Operate Data @ 20°C

Must Operate Voltage: 75% of nominal or less.

Must Release Voltage: 10% of nominal or more.

Operate Time (Excluding Bounce): 3ms, typical.

Release Time (Excluding Bounce): 3ms, typical.

Bounce Time: 2ms, typical.

Environmental Data

Temperature Range: -40 to +85°C

Vibration, Operational: 35g, 10-1,000 Hz.

Shock, Functional: 50g, 11ms 1/2 sinusoidal impulse.

Destructive: 150g, 11ms 1/2 sinusoidal impulse.

Mechanical Data

Termination: Through hole or surface mount printed circuit terminals.

Enclosure: Immersion cleanable sealed plastic case.

Weight: 2.5g approximately.

