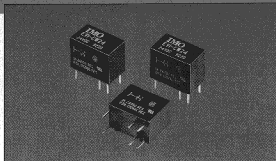


- 1 Form C (SPDT)
- Fully sealed for immersion cleaning
- Nitrogen filled for long term integrity and performance
- Ultra Small Size
- High Coil Sensitivity 150-175mW
- UL/CSA recognised



Part Numbers

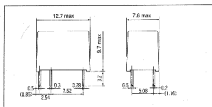
Part Number	Nominal Coil Voltage (V. DC)	Coil Resistance (Ω) ±1.0% (at 20°C)	Must Operate Voltage (V. DC) (at 20°C)	Must Release Voltage (V. DC) (at 20°C)
EV1-CW5	5	167	3.5	0.25
EV1-CW9	9	540	6.3	0.45
EV1-CW12	12	900	8.4	0.60
EV1-CW24	24	3300	16.8	1.20

Maximum Coil Voltage 120% Nominal at 70°C ambient

Specifications

Contact Form		1 Form C (SPDT)
Contact Rating	Maximum Switching Power	60 VA
	Maximum Switching Voltage	120 V. AC
	Maximum Switching Current	1 A
	Maximum Carrying Current	2 A
	Minimum Load (reference value)	1 V. DC 10mA
Initial Contact Resistance		100 mΩ Max. Typically < 90 mΩ
Contact Material (Fixed/Moving)		Ag Pd - Au overlay/Ag Pd
Nominal Operating Power		150mW (175mW 24V coil)
Operate Time (excluding bounce) - at nominal voltage		5mS Max.
Release Time (excluding bounce) - at nominal voltage		2mS Max.
Insulation Resistance		1000 MΩ at 200 V. DC
Breakdown Voltage	Between Open Contacts	400 V. AC (for 1 minute)
	Between Coil and Contacts	1000 V. AC (for 1 minute)
	Surge Strength	1500 V (1.2 x 50μS Impulse)
Shock Resistance - 11ms 3 sine		30 G (interpolating) 100 G (endurance)
Vibration Resistance		50-500Hz 1.5mm pk-pk (interoperating & endurance)
Ambient Temperature - at nominal coil voltage		-30 to +90°C (-80°C for 24V coil)
Coil Temperature Rise		30 degrees at nominal coil voltage
Life Expectancy	Mechanical	5 x 10 ⁶ operations
	Electrical	1 x 10 ⁶ operations at 0.5A 120 V. AC/1A 24 V. DC Res
Weight		Approx. 1.7 grams

Dimensions mm



PCB Layout and Schematics

