

Relays & Solenoids

OEG_PCB Relays

Detailed product specifications are available on: us.100y.com.tw

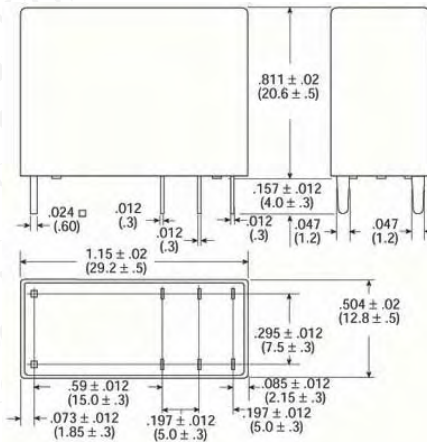
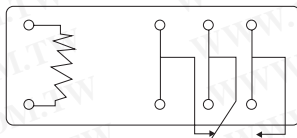


Features

- Meet UL 508, CSA and TUV requirements.
- 1 Form A and 1 Form C contact arrangements.
- Immersion cleanable, sealed version available.
- Meet 5,000V dielectric voltage between coil and contacts.
- Meet 10,000V surge voltage between coil and contacts (1.2 / 50µs).
- Quick Connect Terminal type available (OZF).
- UL TV-8 rating available (OZT).

Wiring Diagrams

OZ



Contact Data @ 20°C

Arrangements: 1 Form A (SPST-NO) and 1 Form C (SPDT).

Material: Ag Alloy (1 Form C) and AgSnO (1 Form A).

Max. Switching Rate: 300 ops./min. (no load).
30 ops./min. (rated load).

Expected Mechanical Life: 10 million operations (no load).

Expected Electrical Life: 100,000 operations (rated load).

Minimum Load: 100mA @ 5VDC.

Initial Contact Resistance: 100 milliohms @ 1A, 6VDC.

Environmental Data

Temperature Range:

Operating: OZ-D: -30°C to +55°C

OZ-L: -30°C to +70 °C

Vibration, Mechanical: 10 to 55 Hz., 1.5mm double amplitude

Operational: 10 to 55 Hz., 1.5mm double amplitude.

Shock, Mechanical: 1,000m/s² (100G approximately).

Operational: 100m/s² (10G approximately).

Operating Humidity: 20 to 85% RH. (Non-condensing).

UL File No. E82292

CSA File No. LR48471

TUV File No. R85447

Mechanical Data

Termination: Printed circuit terminals.

Enclosure (94V-0 Flammability Ratings):

OZ-S: Vented (Flux-tight) plastic cover.

OZF-SS: Vented (Flux-tight) plastic cover.

OZ-SH: Sealed plastic case.

Weight: 0.46 oz (13g) approximately.

Initial Insulation Resistance

Between Mutually Insulated Elements:
1,000M ohms min. @ 500VDC.

Coil Data

Voltage: 5 to 48VDC.

Nominal Power: 720 mW (OZ-D), 540mW (OZ-L).

Coil Temperature Rise: 45°C max., at rated coil voltage.

Max. Coil Power: 130% of nominal.

Duty Cycle: Continuous.

Part No.	Product No.	Manufacturer	Description	Type	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H
42902	OZ-SS-105L	OEG	OEG_PCB RELAY	OZ, 1 pole	1 Form C, SPDT	16A 240VAC	5VDC	UL, CSA, TUV	29.2*12.8*20.6mm
23971	OZ-SS-112LM1	OEG	OEG_PCB RELAY	OZ, 1 pole	1 Form A, SPST-NO	16A 240VAC	12VDC	UL, CSA, TUV	29.2*12.8*20.6mm
40398	OZ-SS-124L	OEG	OEG_PCB RELAY	OZ, 1 pole	1 Form C, SPDT	16A 240VAC	24VDC	UL, CSA, TUV	29.2*12.8*20.6mm
23974	OZ-SS-124LM1	OEG	OEG_PCB RELAY	OZ, 1 pole	1 Form A, SPST-NO	16A 240VAC	24VDC	UL, CSA, TUV	29.2*12.8*20.6mm



Features

- Meet UL 508, CSA, TUV requirements.
- 1 Form A contact arrangements.
- Quick connect terminal type and PC board type.
- Meet 5,000V dielectric voltage between coil and contacts.
- Meet 10,000V surge voltage between coil and contacts (1.2 / 50µs).

Contact Data @ 20°C

Arrangements: 1 Form A.

Material: AgSnO

Max. Switching Rate: 300 ops./min. (no load).
30 ops./min. (rated load).

Expected Mechanical Life: 10 million operations (no load).

Expected Electrical Life: 100,000 operations (rated load).

Minimum Load: 100mA @ 5VDC.

Initial Contact Resistance: 100 milliohms @ 1A, 6VDC.

Environmental Data

Temperature Range:

Operating: -30°C to +55°C

Vibration, Mechanical: 10 to 55 Hz., 1.5mm double amplitude

Operational: 10 to 55 Hz., 1.5mm double amplitude.

Shock, Mechanical: 1,000m/s² (100G approximately).

Operational: 100m/s² (10G approximately).

Operating Humidity: 20 to 85% RH. (Non-condensing).

Mechanical Data

Termination PCF: Printed circuit terminals with quick connect terminals.

PCFN: Printed circuit terminals.

Enclosure (94V-0 Flammability Ratings):

PCF / PCFN: Vented (Flux-tight) plastic cover.

Weight: 0.99 oz (28g) approximately.

Initial Insulation Resistance

Between Mutually Insulated

Elements: 1,000M ohms min. @ 500VDC.

Coil Data

Voltage: 6 to 24VDC.

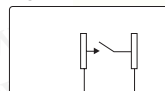
Nominal Power: 900 mW.

Coil Temperature Rise: 55°C max., at rated coil voltage.

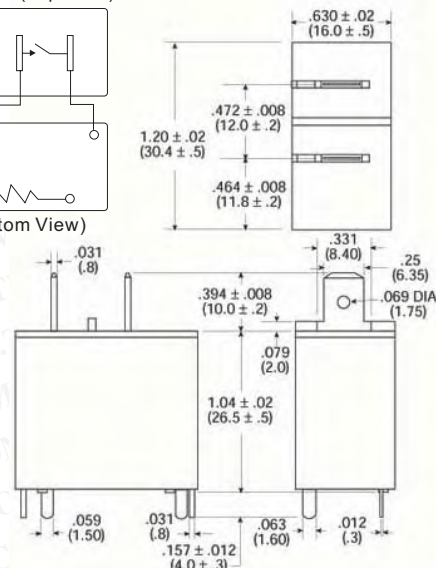
Max. Coil Power: 130% of nominal.

Duty Cycle: Continuous.

PCF (Top View)



(Bottom View)



UL File No. E58304

CSA File No. LR48471

TUV File No. R9551880

Part No.	Product No.	Manufacturer	Description	Type	Contact Arrangement	Coil Voltage	Recognized Safety	Outline L*W*H
47065	PCF-112D2M	OEG	OEG_PCB RELAY	PCF, 1 pole	1 Form A, SPST-NO 1 Form C	12VDC	UL, CSA, TUV	30.4*16*26.5

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