

Relays & Solenoids

OEG_PCB Relays

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

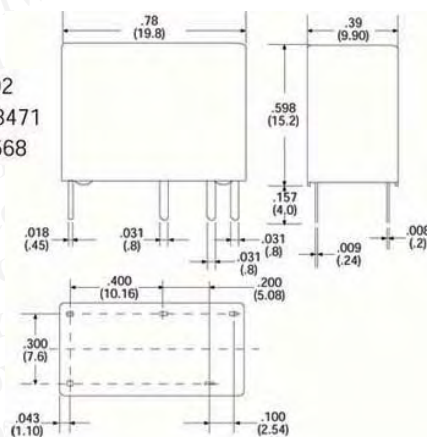
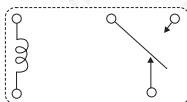


Features

- 1 Form A (SPST-NO) or 1 Form C (SPDT) contact arrangements.
- 5 or 10A ratings.
- Compact size 20L x 10W x 15.2H (mm).
- High surge voltage of 8000V.
- Cadmium-free contacts.
- Sensitive (200mW) coil available on 1 Form A types.
- UL, CSA, VDE approval.

- UL File No. E82292
- CSA File No. LR48471
- VDE File No. 119568

Wiring Diagram (Bottom View)



Contact Data @ 20°C

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

Max. Switching Rate: 300ops./ min. (no load).
 20ops./ min. (rated load).

Expected Mechanical Life: 5 million ops (no load).

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

Minimum Load: 100mA @ 5VDC.

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

Initial Insulation Resistance

Between Mutually Insulated Conductors:

1000Mohm @ 500VDCM.

Environmental Data

Temperature Range:

Operating: Models with Class F insulation: -30°C to +85°C.

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

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

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

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

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

Coil Data

Voltage: 5 to 48VDC.

Duty Cycle: Continuous.

Nominal Power: 200mW or 400mW.

Max. Coil Power: 130% of nominal.

Mechanical Data

Termination: Printed circuit terminals.

Weight: 0.25 oz (7g) approximately.

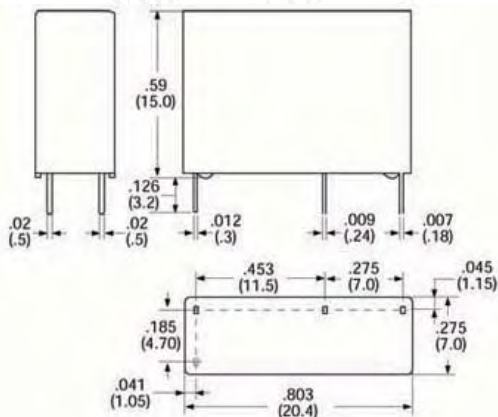
Part No.	Product No.	Manufacturer	Description	Type	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H
47044	PCH-105D2H	OEG	OEG_PCB RELAY	PCH, 1 pole	1 Form C (SPDT) 1 Form C	5A	5VDC	UL, CSA, VDE	20.00 x 10.00 x 15.20
47029	PCH-112D2H	OEG	OEG_PCB RELAY	PCH, 1 pole	1 Form C (SPDT) 1 Form C	5A	12VDC	UL, CSA, VDE	20.00 x 10.00 x 15.20
47045	PCH-124D2H	OEG	OEG_PCB RELAY	PCH, 1 pole	1 Form C (SPDT) 1 Form C	5A	24VDC	UL, CSA, VDE	20.00 x 10.00 x 15.20



Features

- Slim outline, L20.4 x W7 x H15 (mm).
- 1 Form A (SPST-NO) contact arrangement.
- High dielectric capacity of 4kV.
- UL, CSA, VDE approvals.
- Immersion cleanable, sealed version available.
- Cadmium-free contacts.

Wiring Diagram (Bottom View)



Contact Data @ 20°C

Arrangements: 1 Form A (SPST-NO).

Material: Ag Alloy.

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

Expected Mechanical Life: 5 million ops (no load).

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

Minimum Load: 100mA @ 5VDC.

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

Initial Insulation Resistance

Between Mutually Insulated

Conductors: 1,000Mohm @ 500VDCM.

Environmental Data

Temperature Range:

Operating: -30°C to +70°C.

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

Operational: 10 to 55Hz., 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: Printed circuit terminals.

Weight: 0.14 oz. (4g) approximately.

UL File No. E82292

CSA File No. 1031444

VDE File No. 122301

Coil Data

Voltage: 5 to 24VDC.

Duty Cycle: Continuous.

Nominal Power: 200mW.

Max. Coil Power: 130% of nominal.

Part No.	Product No.	Manufacturer	Description	Type	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H
47048	PCJ-105D3MH	OEG	OEG_PCB RELAY	PCJ, 1 pole	1 Form A	5A 250VAC/28V DC	5VDC	UL, CSA, VDE	20.4*7.0*15
47049	PCJ-112D3MH	OEG	OEG_PCB RELAY	PCJ, 1 pole	1 Form A	5A 250VAC/28VDC	12VDC	UL, CSA, VDE	20.4*7.0*15
48159	PCJ-124D3M	OEG	OEG_PCB RELAY	PCJ, 1 pole	1 Form A	5A 250VAC/28VDC	24VDC	UL, CSA, VDE	20.4*7.0*15
47051	PCJ-124D3MH	OEG	OEG_PCB RELAY	PCJ, 1 pole	1 Form A	5A 250VAC/28VDC	24VDC	UL, CSA, VDE	20.4*7.0*15



Features

- UL TV-5 and TV-8 rating relay.
- 1 Form A contact arrangement.
- Sensitive and standard coils available.
- Applications include appliance, HVAC, CTV, Monitor, emergency lighting.

- UL File No. E58304
- CSA File No. LR48471
- SEMKO FileNo. 9722134, 9803052
- TUV File No. R9750487

