

## OZ/OZF series

16A Miniature
Power PC Board Relay

## Appliances, HVAC, Office Machines.

吹 UL File No. E82292
(18 CSA File No. LR48471
$\triangle$ TUV File No. R85447

Users should thoroughly review the technical data before selecting a product part number. It is recommended that user also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

## Coil Data @ $20^{\circ} \mathrm{C}$

| OZ-L Sensitive |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Rated Coil Voltage (VDC) | Nominal Current (mA) | Coil Resistance (ohms) $\pm$ 10\% | Must Operate Voltage (VDC) | Must Release Voltage (VDC) |
| 5 | 106.4 | 47 | 3.75 | 0.25 |
| 6 | 88.0 | 68 | 4.50 | 0.30 |
| 9 | 58.0 | 155 | 6.75 | 0.45 |
| 12 | 44.4 | 270 | 9.00 | 0.60 |
| 24 | 21.8 | 1,100 | 18.00 | 1.20 |
| 48 | 10.9 | 4,400 | 36.00 | 2.40 |
| OZ-D Standard |  |  |  |  |
| Rated Coil Voltage (VDC) | Nominal Current (mA) | Coil Resistance (ohms) $\pm$ 10\% | Must Operate Voltage (VDC) | Must Release Voltage (VDC) |
| 5 | 138.9 | 36 | 3.50 | 0.25 |
| 6 | 120.0 | 50 | 4.20 | 0.30 |
| 9 | 78.3 | 115 | 6.30 | 0.45 |
| 12 | 60.0 | 200 | 8.40 | 0.90 |
| 24 | 29.3 | 820 | 16.80 | 1.20 |
| 48 | 14.5 | 3,300 | 33.60 | 2.40 |

## Operate Data

Must Operate Voltage:
OZ-D: 70\% of nominal voltage or less.
OZ-L: 75\% of nominal voltage or less.
Must Release Voltage: 5\% of nominal voltage or more.
Operate Time: OZ-D: 15 ms max.
OZ-L: 20 ms max.
Release Time: 8 ms max.

## Environmental Data

Temperature Range:
Operating, Class A $\left(105^{\circ} \mathrm{C}\right)$ Insulation:
OZ-D: $-30^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
OZ-L: $-30^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$.
Operating, Class $\mathbf{F}\left(155^{\circ} \mathrm{C}\right)$ Insulation: OZ-D: $-30^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ OZ-L: $-30^{\circ} \mathrm{C}$ to $+105^{\circ} \mathrm{C}$.
Operating: OZ-D: $-30^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$
OZ-L: $-30^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$
Vibration, Mechanical: 10 to $55 \mathrm{~Hz} ., 1.5 \mathrm{~mm}$ double amplitude Operational: 10 to 55 Hz ., 1.5 mm double amplitude.
Shock, Mechanical: $1,000 \mathrm{~m} / \mathrm{s}^{2}(100 \mathrm{G}$ approximately).
Operational: $100 \mathrm{~m} / \mathrm{s}^{2}$ (10G approximately).
Operating Humidity: 20 to 85\% RH. (Non-condensing).

## 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: $0.46 \mathrm{oz}(13 \mathrm{~g})$ approximately.

## Ordering Information



Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.

| OZ-SH-105D,294 | OZ-SH-124D,294 | OZ-SH-112LM1,294 | OZ-SH-105L,294 | OZ-SH-124L,294 |
| :--- | :--- | :--- | :--- | :--- |
| OZ-SH-112D,294 | OZ-SH-105LM1,294 | OZ-SH-124LM1,294 | OZ-SH-112L,294 |  |

## Wiring Diagrams


(Bottom View)

(Top View)

* No electrical connection, for board attachment only.


Note: This data is based on the max. allowable
temperature for E type insulation coil $\left(115^{\circ} \mathrm{C}\right)$.

Life Expectancy


(Bottom View)

Reference Data
Operating Voltage


## Operate Time

PC Board Layouts (Bottom View)


OZ



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components
Click to view similar products for General Purpose Relays category:
Click to view products by TE Connectivity manufacturer:
Other Similar products are found below :
PCN-105D3MH,000 59641F200 5JO-1000CD-SIL 5X827E 5X837F 5X840F 5X842F 5X848E LY2N-AC120 LY2S-AC220/240 LY2-USAC120 LY2-US-DC24 LY3-US-AC120 LY4F-UA-DC12 LY4F-UA-DC24 LY4F-US-AC120 LY4F-US-AC240 LY4F-US-DC24 LY4F-VD-AC110 LYQ20DC12 M115C60 M115N010 M115N0150 603-12D 60HE1-5DC 60HE2S-12DC 61211T0B4 61212T400 61222Q400 $\underline{61243 \mathrm{~B} 600} \underline{61243 \mathrm{C} 500} \underline{61243 \mathrm{Q} 400} \underline{61311 \mathrm{BOA} 2} \underline{61311 \mathrm{BOA} 6} \underline{61311 \mathrm{BOA} 8} \underline{61311 \mathrm{C} 0 \mathrm{~A} 2} \underline{61311 \mathrm{COA} 1} \underline{61311 \mathrm{COA}} \underline{61311 \mathrm{~F} 0 \mathrm{~A} 2}$ 61311QOA1 61311QOA4 61311T0D6 61311TOA6 61311TOA7 61311TOB3 61311TOB4 61311U0A6 61312Q600 61312T400 61312 T 600

