

OJ-SS-112LMH,000

✓ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 2-1419129-5

General Purpose Power Relay, Monostable, .2 W Coil, 720 ohm Coil

Resistance, OEG Miniature PCB Relay OJ/OJE, Power Relays

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Relays & Contactors > Relays > Power Relays > STD OEG Miniature PCB OJ/OJE Pow Relays



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **.2 W**

Coil Resistance: **720  $\Omega$**

Coil Special Features: **Sensitive Version, UL Coil Insulation Class E**

[All STD OEG Miniature PCB OJ/OJE Pow Relays \(65\)](#)

Features

Product Type Features

|            |                             |
|------------|-----------------------------|
| Relay Type | General Purpose Power Relay |
|------------|-----------------------------|

Configuration Features

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Coil Special Features   | Sensitive Version, UL Coil Insulation Class E |
| Contact Arrangement     | 1 Form A SPST-NO                              |
| Contact Number of Poles | 1                                             |

Electrical Characteristics

|                                                       |           |
|-------------------------------------------------------|-----------|
| Insulation Initial Dielectric Between Open Contacts   | 750 Vrms  |
| Contact Limiting Making Current                       | 8 A       |
| Contact Limiting Short-Time Current                   | 8 A       |
| Contact Limiting Continuous Current                   | 8 A       |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |
| Contact Limiting Breaking Current                     | 8 A       |
| Coil Power Rating DC                                  | .2 W      |



|                                 |            |
|---------------------------------|------------|
| Coil Resistance                 | 720 Ω      |
| Coil Voltage Rating             | 12 VDC     |
| Contact Current Rating          | 8 A        |
| Contact Switching Load (Min)    | 100mA @ 5V |
| Contact Switching Voltage (Max) | 30 VDC     |
| Contact Voltage Rating          | 30 VDC     |

Body Features

|                |              |
|----------------|--------------|
| Product Weight | 9 g[.318 oz] |
|----------------|--------------|

Contact Features

|                  |       |
|------------------|-------|
| Contact Material | AgCdO |
|------------------|-------|

Termination Features

|                        |                 |
|------------------------|-----------------|
| Relay Connection Type  | PCB Termination |
| Terminal Configuration | Solder Pins     |

Mechanical Attachment

|                    |                       |
|--------------------|-----------------------|
| Product Mount Type | Printed Circuit Board |
|--------------------|-----------------------|

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 7.7 mm[.303 in]  |
| Insulation Creepage Between Contact & Coil  | 9.4 mm[.37 in]   |
| Product Width                               | 10.2 mm[.401 in] |
| Product Length                              | 18.2 mm[.716 in] |
| Product Height                              | 14.7 mm[.578 in] |

Usage Conditions

|                                         |               |
|-----------------------------------------|---------------|
| Environmental Category of Protection    | RTII          |
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |

Operation/Application

|                      |            |
|----------------------|------------|
| Current Type         | DC         |
| Coil Magnetic System | Monostable |

Packaging Features

|                  |                  |
|------------------|------------------|
| Packaging Method | Box & Tray, Tray |
|------------------|------------------|

Other

|                           |            |
|---------------------------|------------|
| Length Class (Mechanical) | 16 – 20 mm |
|---------------------------|------------|



|                                         |            |
|-----------------------------------------|------------|
| Environmental Ambient Temperature Class | 50 – 70 °C |
| Height Class (Mechanical)               | 14 – 15 mm |
| Coil Power Rating Class                 | .15 – .2 W |
| Width Class (Mechanical)                | 10 – 12 mm |
| Contact Current Class                   | 16 A       |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                                                      |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Cadmium oxide (4.75% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                                            |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                                                                                                                                                                                                                                                                                                                                              |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # CAT-OE4-OJ1  
STD OEG Miniature PCB OJ/OJE Pow  
Relays

Also in the Series | OEG Miniature PCB Relay OJ/OJE



Power Relays(67)

Customers Also Bought



TE Part #1393260-4  
SR6B4012 - V23050-A1012-A542



TE Part #5-1393789-1  
V23079G2003B301



TE Part #5749181-1  
Mini DIN, 4 pos, R/A, Shield



TE Part #641966-1  
03P UMNL PIN HDR ASSY 94VO



TE Part #5-1393224-8  
RY212024



TE Part #9-2176404-4  
3550 82R 5%



TE Part #1-1649328-5  
RT314024



TE Part #1-1649329-2  
RT424009



TE Part #2434804-1  
5 position tactile, 7.5x7.5



Documents

Product Drawings

OJ-SS-112LMH,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1419129-5\_G.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1419129-5\_G.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1419129-5\_G.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

OJ\_OJE Series Relay Data Sheet English

English

Product Specifications

OJ-SS-112LMH,000 Spec Sheet

Japanese

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English