

OJ-SS-109LMH2-WG

✓ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

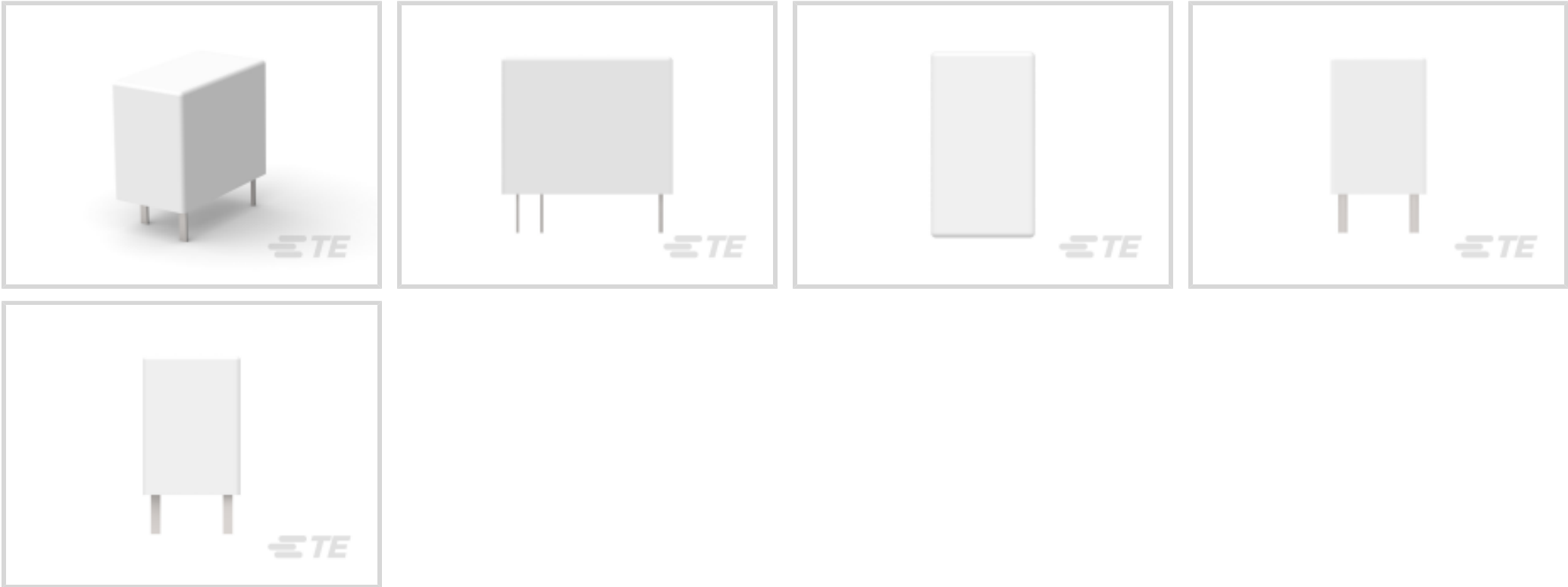
TE Internal #: 1721874-4

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 8 A Contact Rating, 9 VDC Coil Voltage, OEG Miniature PCB Relay OJ/OJE

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



Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Contact Current Rating: **8 A**

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

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 1                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 1 Form A SPST-NO           |

Electrical Characteristics

|                                                     |          |
|-----------------------------------------------------|----------|
| Contact Limiting Short-Time Current                 | 8 A      |
| Contact Limiting Making Current                     | 8 A      |
| Contact Limiting Continuous Current                 | 8 A      |
| Contact Limiting Breaking Current                   | 8 A      |
| Insulation Initial Dielectric Between Open Contacts | 750 Vrms |
| Contact Switching Voltage (Max)                     | 277 VAC  |



|                                                       |            |
|-------------------------------------------------------|------------|
| Contact Switching Load (Min)                          | 100mA @ 5V |
| Coil Resistance                                       | 405 Ω      |
| Contact Current Rating                                | 8 A        |
| Coil Voltage Rating                                   | 9 VDC      |
| Contact Voltage Rating                                | 30 VDC     |
| Coil Power Rating DC                                  | .2 W       |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms  |

Body Features

|                |                                         |
|----------------|-----------------------------------------|
| Product Weight | 9 g[.318 oz]                            |
| Enclosure Type | Flux Resistant Automatic Solder Capable |

Contact Features

|                  |          |
|------------------|----------|
| Contact Material | AgSnOInO |
|------------------|----------|

Termination Features

|                                    |             |
|------------------------------------|-------------|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

Mechanical Attachment

|                    |             |
|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 3.2 mm[.125 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

|                                         |                            |
|-----------------------------------------|----------------------------|
| Operating Temperature Range             | -40 – 105 °C[-40 – 221 °F] |
| Environmental Category of Protection    | RTII                       |
| Environmental Ambient Temperature (Max) | 105 °C[221 °F]             |

Operation/Application

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

Packaging Features

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



Other

|                                         |            |
|-----------------------------------------|------------|
| Coil Power Rating Class                 | .15 – .2 W |
| Contact Current Class                   | 16 A       |
| Environmental Ambient Temperature Class | 50 – 70 °C |
| Height Class (Mechanical)               | 14 – 15 mm |
| Length Class (Mechanical)               | 16 – 20 mm |
| Width Class (Mechanical)                | 10 – 12 mm |

Product Compliance

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

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                     |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                     |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                       |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| 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



General Purpose Power Relays(67)

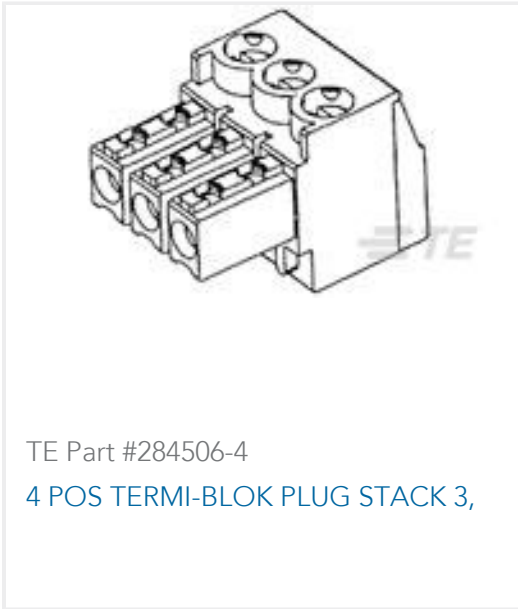


PCB Relays(67)

Customers Also Bought



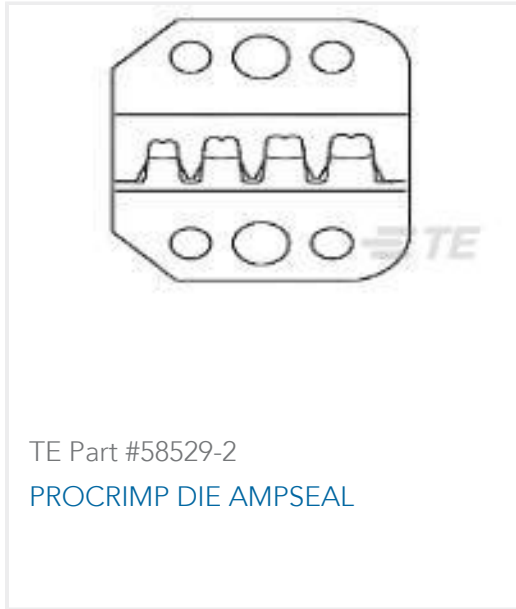
TE Part #7-1618413-2  
K1K06H024EAHA= CONTACTOR SPST-NO W/AUX



TE Part #284506-4  
4 POS TERMI-BLOK PLUG STACK 3,



TE Part #2389807-1  
STRAIN RELIEF,35 POSITION AMPSEAL



TE Part #58529-2  
PROCrimp DIE AMPSEAL



TE Part #CS9493-000  
SEB-D



TE Part #T4111012051-000  
M12 M, 5P GOLD A\_CODE S SHIELDED PG9



TE Part #5-1618398-0  
EV100AAANA=CONTACTOR, SPST-NO 9-36Vdc



TE Part #1-1625892-2  
3W SM M/OX 5% 12K



TE Part #1909763-1  
UMCC MICRO-COAX RECPT GEN 1 HIGHER LEVEL



TE Part #7-1393215-5  
V23057-B0006-A101



Documents

Product Drawings

OJ-SS-109LMH2-WG

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1721874-4\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1721874-4\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1721874-4\_J.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

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English