



OEG

TE Internal #: 5-1419124-9

TE Internal Description: OSA-SS-224DM3,000

STD OEG PCB OMI/OMIH Power Relays

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Relays, Contactors & Switches > Relays > Power Relays > STD OEG PCB OMI/OMIH Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **540 mW**

Coil Resistance: **1100  $\Omega$**

Coil Special Features: **UL Coil Insulation Class A**

[All STD OEG PCB OMI/OMIH Power Relays \(0\)](#)

Features

Product Type Features

|                  |          |
|------------------|----------|
| Power Relay Type | Standard |
|------------------|----------|

Electrical Characteristics

|  |                 |
|--|-----------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 3500 – 4000 V   |
| Insulation Initial Dielectric Between Open Contacts        | 1000 Vrms       |
| Contact Limiting Making Current                            | 3 A             |
| Contact Limiting Short-Time Current                        | 3 A             |
| Contact Limiting Continuous Current                        | 3 A             |
| Insulation Creepage Class                                  | 5.5 – 8 mm      |
| Coil Power Rating Class                                    | 500 – 600 mW    |
| Insulation Initial Dielectric Between Adjacent Contacts    | 2500 Vrms       |
| Insulation Initial Dielectric Between Contacts & Coil      | 4000 Vrms       |
| Insulation Initial Resistance                              | 1000 M $\Omega$ |
| Insulation Creepage Between Contact & Coil                 | 7 mm[.276 in]   |



|                                   |                            |
|-----------------------------------|----------------------------|
| Contact Limiting Breaking Current | 3 A                        |
| Coil Magnetic System              | Monostable, DC             |
| Coil Power Rating DC              | 540 mW                     |
| Coil Resistance                   | 1100 $\Omega$              |
| Coil Special Features             | UL Coil Insulation Class A |
| Coil Voltage Rating               | 24 VDC                     |
| Contact Switching Load (Min)      | 100mA @ 5V                 |
| Contact Switching Voltage (Max)   | 30 VDC                     |
| Contact Voltage Rating            | 240 VAC                    |

Body Features

|                             |   |
|-----------------------------|---|
| Insulation Special Features | 7000V Initial Surge Withstand Voltage between Contacts & Coil |
| Product Weight              | 13 g[.459 oz]   |

Contact Features

|                              |               |
|------------------------------|---------------|
| Contact Arrangement          | 2 Form A (NO) |
| Contact Current Class        | 2 – 5 A, 16 A |
| Contact Current Rating (Max) | 3 A           |
| Contact Material             | Ag Alloy      |
| Contact Number of Poles      | 2             |
| Relay Terminal Type          | PCB-THT       |

Mechanical Attachment

|                     |                       |
|---------------------|-----------------------|
| Relay Mounting Type | Printed Circuit Board |
|---------------------|-----------------------|

Dimensions

|   |                  |
|---|------------------|
| Length Class (Mechanical)                   | 20 – 25 mm       |
| Insulation Clearance Class                  | 5 – 8 mm         |
| Height Class (Mechanical)                   | 20 – 25 mm       |
| Insulation Clearance Between Contact & Coil | 7 mm[.276 in]    |
| Width Class (Mechanical)                    | 12 – 16 mm       |
| Product Width                               | 12.9 mm[.508 in] |
| Product Length                              | 24.4 mm[.961 in] |
| Product Height                              | 24.8 mm[.976 in] |

Usage Conditions

|   |            |
|---|------------|
| Environmental Ambient Temperature Class | 50 – 70 °C |
|---|------------|



Environmental Ambient Temperature (Max)60 °C[140 °F]

Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | Bundle |
|------------------|--------|

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                   | Out of Scope   |
| 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: JUNE 2023 (235)<br>Candidate List Declared Against: JAN 2020 (205)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content   |
| 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-OS11

STD OEG PCB OMI/OMIH Power Relays

Customers Also Bought



TE Part #1-794068-0  
16P MINI UMNL HDR W/DH SN



TE Part #499712-1  
KEYING PLUG,NOVO RCPT



TE Part #3-641210-2  
02P MTA156 HDR FLRA FB 30AU LF



TE Part #3-1437664-8  
NC6-P108-06=NC6 ASSEMBLY



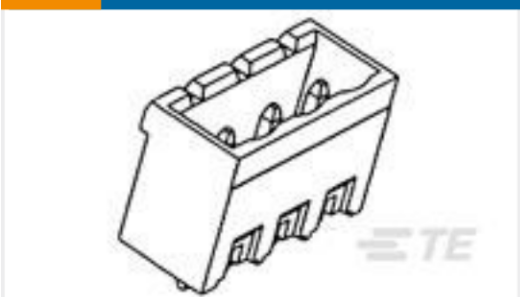
TE Part #3-1437651-8  
6DBL-03-006=#6 DBL TERMINAL BL



TE Part #1-2176329-3  
CRGP 1210 100R 1%



TE Part #7-1440000-1  
OMIH-SH-112LM,394



TE Part #796636-3  
3POS 5.08MM CE VRT HDR,TRM BLK

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-1419124-9\_F\_c-5-1419124-9-f.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1419124-9\_F\_c-5-1419124-9-f.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1419124-9\_F\_c-5-1419124-9-f.3d\_stp.zip

English

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

Datasheets & Catalog Pages

OSA Series Relay Data Sheet English

English

Product Specifications

Definitions General Purpose Relays

English

OSA-SS-224DM3,000 Spec Sheet

Japanese