

OAC-5A

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield OAC

TE Internal #: 2-1393028-8

DC Input Solid State Relay, 1 Form A SPST-NO, 3 – 8 VDC Input, 24 – 280 Vrms Output, AC Output, Board Mount, Black, Potter & Brumfield OAC

[View on TE.com >](#)



Relays & Contactors > Solid State Relays > Solid State Relays: PCB mount



Contact Arrangement: 1 Form A SPST-NO

Input Current Type: DC

Input Voltage: 3 – 8 VDC

Output Voltage Rating: 24 – 280 Vrms

Output Switching: Zero

[All Solid State Relays: PCB mount \(7\)](#)

Features

Configuration Features

|                     |                  |
|---------------------|------------------|
| Contact Arrangement | 1 Form A SPST-NO |
|---------------------|------------------|

Electrical Characteristics

|                                                       |               |
|-------------------------------------------------------|---------------|
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms     |
| Input Voltage                                         | 3 – 8 VDC     |
| Output Voltage Rating                                 | 24 – 280 Vrms |

Body Features

|                       |               |
|-----------------------|---------------|
| Primary Product Color | Black         |
| Product Weight        | 35 g[1.38 oz] |

Termination Features

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

Mechanical Attachment



|                               |             |
|-------------------------------|-------------|
| Product Mounting Feature Type | Hex Nut     |
| Product Mount Type            | Board Mount |

Dimensions

|                |                   |
|----------------|-------------------|
| Product Length | 42.3 mm[1.66 in]  |
| Product Width  | 15.15 mm[.596 in] |
| Product Height | 31.7 mm[1.24 in]  |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -30 – 80 °C[-22 – 176 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                     |      |
|---------------------|------|
| Input Current Type  | DC   |
| Output Switching    | Zero |
| Output Current Type | AC   |

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                   | Not Yet Reviewed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (3.8% in 20313236214)<br>Pb (92.38% in 20313236323)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Solder Process Capability                     | Wave solder capable to 260°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-P851-OA1  
Solid State Relays: PCB mount

Also in the Series | Potter & Brumfield OAC

Solid State Relays(7)

Customers Also Bought

TE Part #HDP26-24-29SE  
PLG, 29P, BLK, E, 12/16/20, S

TE Part #CG3772-000  
CI-5SHT801

TE Part #801071-SF  
EV35-5.0-02-3M6

TE Part #292304-1  
STD USB TYPE B, R/A, T/H

TE Part #1-640445-2  
12P MTA156 HDR ASSY FL/STR SN

TE Part #CAT-P851-T1B  
PCB Power Relay: 40 Amp, Monostable

TE Part #1-1546306-0  
10P.374" DR BARRIER STRIP

TE Part #5102154-5  
A/L UNIV HDR 24P VERT

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Documents

CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1393028-8\\_C1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1393028-8\\_C1.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1393028-8\\_C1.2d\\_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

[OAC\\_Datasheet](#)

English

[OAC AC Output Modules Data Sheet](#)

English

Agency Approvals

[UL](#)

English