

V23026C1051B201 ✓ ACTIVE



Axicom | Axicom P1 Signal Relay

TE Internal #: 2-1393774-0

Signal Relays, 125 VDC Contact Voltage, 150 VAC Contact Voltage, 34 mW Coil Power (DC), Printed Circuit Board, PCB-THT, Axicom P1 Signal Relay

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Relays, Contactors & Switches > Relays > Signal Relays



Contact Voltage Rating: **125 VDC**

Signal Relay Coil Power Rating (DC): **34 mW**

Isolation (HF Parameter): **-18dB @ 900MHz, -30dB @ 100MHz**

Insertion Loss (HF Parameter): **-.12dB @ 100MHz, -1.9dB @ 900MHz**

Features

Product Type Features

| | |
|--------------|-----------------|
| Relay Type | P1 Relay V23026 |
| Relay Style | P1 Relay V23026 |
| Product Type | Relay |

Electrical Characteristics

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|--|------------------------------|
| Coil Power Rating Class | 0 – 100 mW |
| Actuating System | DC |
| Insulation Initial Dielectric Between Open Contacts | 500 Vrms |
| Contact Limiting Short-Time Current | 1 A |
| Insulation Initial Dielectric Between Contacts and Coil | 1500 Vrms |
| Insulation Creepage Class | 0 – 1.5 mm |
| Insulation Initial Dielectric Between Coil/Contact Class | 1000 V – 1500 VA |
| Voltage Standing Wave Ration (HF Parameter) | 1.06 @ 100MHz, 1.75 @ 900MHz |
| Power Consumption | 30 – 150 mW |
| Contact Limiting Making Current | 1 A |
| Coil Resistance | 740 Ω |
| Contact Limiting Continuous Current | 1 A |
| Insulation Creepage Between Contact and Coil | .75 mm[.03 in] |
| Coil Type | Bistable, 1 Coil |
| Contact Limiting Breaking Current | 1 A |



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|--|-----------------------------|
| Contact Switching Load (Min) | 10mA @ .02V |
| Contact Voltage Rating | 125 VDC |
| Signal Relay Coil Power Rating (DC) | 34 mW |
| Signal Relay Coil Voltage Rating | 24 VAC |
| Signal Relay Contact Switching Voltage (Max) | 125 VDC |
| Signal Relay Coil Magnetic System | Bistable, 1 Coil, Polarized |

Signal Characteristics

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|-------------------------------|----------------------------------|
| Isolation (HF Parameter) | -18dB @ 900MHz, -30dB @ 100MHz |
| Insertion Loss (HF Parameter) | -.12dB @ 100MHz, -1.9dB @ 900MHz |

Body Features

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|-----------------------------|---|
| Insulation Special Features | 2500V Initial Surge Withstand Voltage between Contacts & Coil |
| Weight | 2 g[.0705 oz] |

Contact Features

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|-------------------------------------|--------------------------|
| Contact Plating Material | Gold-Rhodium |
| Contact Current Class | 0 – 2 A |
| Contact Special Features | Bifurcated/Twin Contacts |
| Signal Relay Terminal Type | PCB-THT |
| Signal Relay Contact Current Rating | .5 A |
| Signal Relay Contact Arrangement | 2 Form A (NO) |
| Contact Material | Ruthenium |
| Contact Number of Poles | 1 |

Termination Features

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|------------------|--------------|
| Termination Type | Through Hole |
|------------------|--------------|

Mechanical Attachment

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

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|---|------------------|
| Width Class (Mechanical) | 6 – 8 mm |
| Width | 7.59 mm[.299 in] |
| Height | 6.9 mm[.272 in] |
| Length Class (Mechanical) | 12 – 14 mm |
| Insulation Clearance Between Contact and Coil | .75 mm[.03 in] |



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|----------------------------|-----------------|
| Height Class (Mechanical) | 6 – 7 mm |
| Length | 13 mm [.512 in] |
| Insulation Clearance Class | 0 – 2.5 mm |

Usage Conditions

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|---|---------------|
| Environmental Ambient Temperature (Max) | 85 °C [85 °F] |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Operating Temperature Range | -40 – 85 °C |

Operation/Application

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|------------------|----------|
| Performance Type | Standard |
|------------------|----------|

Packaging Features

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|------------------|------------------|
| Packaging Method | Box & Tube, Tube |
|------------------|------------------|

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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Wave solder capable to 265°C |

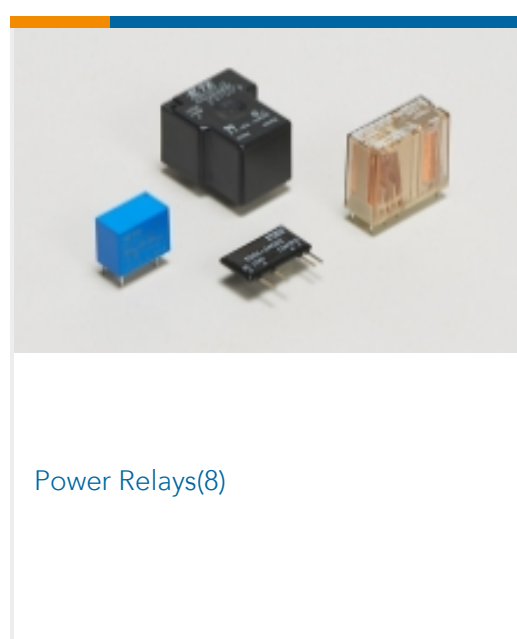
Product Compliance Disclaimer

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



Also in the Series | Axicom P1 Signal Relay



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1393774-0_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1393774-0_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1393774-0_C.3d_stp.zip](#)

English

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Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

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