



Axicom | Axicom P1 Signal Relay

TE Internal #: 3-1393774-4

Signal Relays, 125 VDC Contact Voltage, 150 VAC Contact Voltage, 64 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): **64 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

Coil Power Rating Class	1 – 1.5 W
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
Insulation Initial Resistance	1000 MΩ
Contact Limiting Making Current	1 A
Coil Resistance	390 Ω
Contact Limiting Continuous Current	1 A
Insulation Creepage Between Contact and Coil	.75 mm[.03 in]
Coil Type	Bistable, 2 Coils



Contact Limiting Breaking Current	1 A
Contact Switching Load (Min)	10mA @ .02V
Contact Voltage Rating	125 VDC
Signal Relay Coil Power Rating (DC)	64 mW
Signal Relay Coil Voltage Rating	5 VDC
Signal Relay Contact Switching Voltage (Max)	125 VDC
Signal Relay Coil Magnetic System	Bistable, 2 Coils, Polarized

Signal Characteristics

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

Body Features

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

Contact Features

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	2 A
Signal Relay Contact Arrangement	2 Form C (CO)
Contact Material	Nickel-Titanium
Contact Number of Poles	1

Termination Features

Termination Type	Through Hole
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Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board
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Dimensions

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

Usage Conditions

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

Operation/Application

Performance Type	Sensitive
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Packaging Features

Packaging Method	Box & Tube, Tube
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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: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

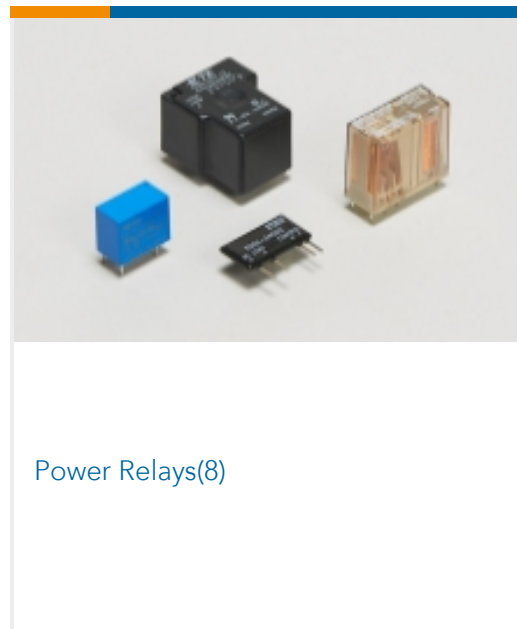
Product Compliance Disclaimer

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_3-1393774-4_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1393774-4_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1393774-4_C.3d_stp.zip](#)

English

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Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Product Specification

English