

### Axicom | Axicom P2 Signal Relay

TE Internal #: 1-1422002-0

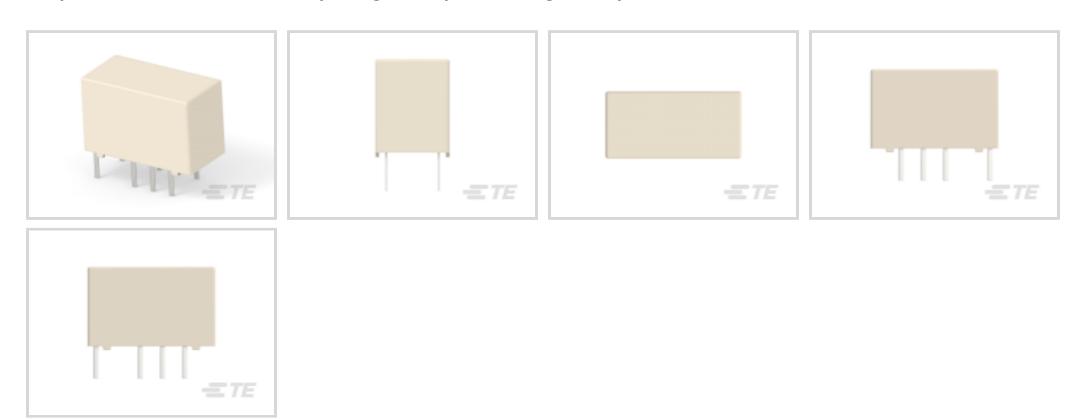
Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, Axicom

P2 Signal Relay

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Relays, Contactors & Switches > Relays > Signal Relays > Small Signal Relay, Axicom P2 Standard



Contact Voltage Rating: 220 VDC

Signal Relay Coil Power Rating (DC): 140 mW
Signal Relay Mounting Type: Printed Circuit Board

Signal Relay Terminal Type: PCB-THT

All Small Signal Relay, Axicom P2 Standard (29)

### **Features**

### **Product Type Features**

Relay Type	P2 Relay V23079
Relay Style	P2 V23079 Relay
Product Type	Relay
Electrical Characteristics	
Coil Power Rating Class	100 – 150 mW
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Short-Time Current	2 A
Insulation Initial Dielectric Between Contacts and Coil	1500 Vrms
Insulation Creepage Class	1.5 – 3 mm
Insulation Initial Dielectric Between Coil/Contact Class	1000 V – 1500 VA
Voltage Standing Wave Ration (HF Parameter)	1.04 @ 100MHz, 1.4dB @ 900MHz
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms



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Power Consumption  Contact Limiting Making Current	140 mW 2 A
Contact Limiting Making Current  Coil Resistance	64 Ω
	2 A
Contact Limiting Continuous Current	
Insulation Creepage Between Contact and Coil	2.5 mm[.098 in]
Contact Limiting Breaking Current	Bistable, 2 Coils
Contact Limiting Breaking Current	2 A
Contact Switching Load (Min)	10mA @ .2V
Cool Special Features	Overmolded Coil
Contact Voltage Rating	220 VDC
Signal Relay Coil Power Rating (DC)	140 mW
Signal Relay Coil Voltage Rating	3 VDC
Signal Relay Contact Switching Voltage (Max)	220 VDC
Signal Relay Coil Magnetic System	Bistable, 2 Coils, Polarized
Body Features	
Insulation Special Features	2500V Initial Surge Withstand Voltage between Contacts & Coil
Weight	2.8 g[.0988 oz]
Contact Features	
Contact Plating Material	Gold
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	AgNi+Au
Contact Number of Poles	2
ermination Features	
Termination Type	Through Hole
Mechanical Attachment	
Signal Relay Mounting Type	Printed Circuit Board
Dimensions	
Width Class (Mechanical)	6 – 8 mm



	[.283 in]
Height 9.5 mm	[.374 in]
Length Class (Mechanical) 14 – 16	mm
Insulation Clearance Between Contact and Coil 1.3 mm	[.051 in]
Height Class (Mechanical) 9 – 10 n	nm
Length 14.6 mr	m[.575 in]
Insulation Clearance Class 0 – 2.5 r	mm
Usage Conditions	
Environmental Ambient Temperature (Max) 85 °C[8.	5 °F]
Environmental Ambient Temperature Class 70 – 85°	°C
Operating Temperature Range -40 – 85	5°C
Operation/Application	
Performance Type Standar	rd
Packaging Features	

Box & Carton

## **Product Compliance**

Packaging Method

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 P2 Signal Relay

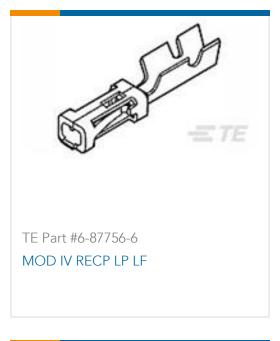


## Customers Also Bought





















### **Documents**

### **Product Drawings**

V23079B2208B301

English

V23079B2208B301

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_1393789-5\_A5.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_1393789-5\_A5.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_1393789-5\_A5.2d\_dxf.zip

English

3D PDF

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1422002-0\_E1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1422002-0\_E1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1422002-0\_E1.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

### Datasheets & Catalog Pages

Transportation, Storage, Handling, Assembly and Testing of Axicom Through Hole Terminal (THT) Relays

English

Transportation, Storage, Handling, Assembly and Testing of AXICOM THT Relays

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, Axicom P2 Signal Relay



English

**AXICOM Latching Relays** 

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL

English