# V23100V4312B010 ACTIVE

## Axicom | Axicom Reed Relay V23100 -V4

TE Internal #: 2-1393763-7

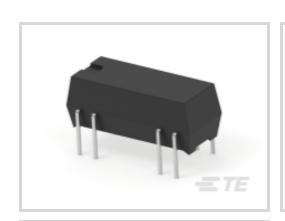
Signal Relays, 24 VDC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, 12 VDC Coil Voltage, .4 A, Axicom

Reed Relay V23100 -V4

View on TE.com >

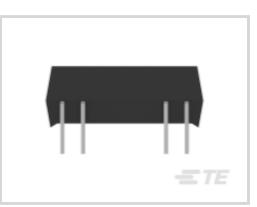


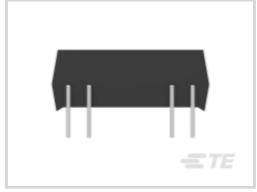
Relays, Contactors & Switches > Relays > Signal Relays











Contact Voltage Rating: 24 VDC

Signal Relay Coil Power Rating (DC): 140 mW

Isolation (HF Parameter): -20.7dB @ 900MHz, -39dB @ 100MHz

Insertion Loss (HF Parameter): -.02dB @ 100MHz, -.27dB @ 900MHz

Signal Relay Mounting Type: Printed Circuit Board

### **Features**

## **Product Type Features**

Relay Type	Reed Relay V23100-V4
Relay Style	Reed Relay V23100-V4
Product Type	Relay

#### Floctrical Characteristics

Electrical Characteristics	
Coil Power Rating Class	200 – 300 mW
Actuating System	DC
Input Voltage	100 VDC
Insulation Initial Dielectric Between Open Contacts	250 Vrms
Contact Limiting Short-Time Current	.4 A
Insulation Initial Dielectric Between Contacts and Coil	1500 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	1000 V – 1500 VA
Power Consumption	50 – 288 mW
Insulation Initial Resistance	1000000 ΜΩ
Contact Limiting Making Current	.4 A



Contact Limiting Continuous Current	Cail Daoistanas	Γ00.0
Coll Type Monostable Contact Limiting Breaking Current 4.A Contact Switching Load (Min) 10mA ⊕ 01V Coll Special Features Diode Contact Voltage Rating 24 VDC Signal Relay Coil Voltage Rating 12 VDC Signal Relay Contact Switching Voltage (Max) 200 VDC Signal Relay Contact Switching Voltage (Max) 200 VDC Signal Relay Coil Magnetic System Monostable, DC Signal Characteristics Isolation (I+I Parameter) -20.7 dB € 900MHz, -39dB € 100MHz Insertion Loss (I+ Parameter) -0.02dB € 900MHz Body Features  Weight 1.8 gf.0635 oz   Contact Plating Material Ruthenium Contact Current Class 0-2 A Contact Special Features Signal Relay Leminal Type PCB TH I Signal Relay Contact Current Rating 4.A Signal Relay Contact Current Rating 4.A Signal Relay Contact Current Rating 4.A Signal Relay Contact Current Paring Relay Contact Material Ruthenium Contact Number of Poics 2 Termination Features	Contact Limiting Continuous Current	500 Ω
Contact Switching Lead (Min)  Contact Switching Lead (Min)  Coil Special Features  Diode  Contact Voltage Rating  Signal Relay Coil Voltage Rating (DC)  Signal Relay Coil Voltage Rating  Signal Relay Coil Magnetic System  Monostable, DC  Signal Relay Coil Magnetic System  Monostable, DC  Signal Characteristics  Isolation (HF Parameter)  -20.7dB @ 200MHz, -32dB @ 100MHz  Insertion Loss (HF Parameter)  -20.7dB @ 100MHz, -2/db @ 900MHz  Body Features  Weight  1.8 g].0635 oz]  Contact Features  Contact Plating Material  Contact Current Class  Gonated Special Features  Reed Contacts  Signal Relay Cortisct Current Rating  A A  Signal Relay Cortisct Current Rating  A A  Signal Relay Contact Arrangement  1 Form A (NO)  Contact Material  Contact Material  Contact Material  Contact Multiplied  Poles  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Typo  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 - 8 mm		
Contact Switching Load (Min)         10mA ⊗ .01V           Coll Special Features         Diode           Contact Voltage Rating         24 VDC           Signal Relay Coil Power Rating (DC)         140 mW           Signal Relay Coil Voltage Rating         12 VDC           Signal Relay Coil Modgretic System         Monostable, DC           Signal Characteristics         Signal Characteristics           Isolation (I IP Parameter)         -20.7dB ⊗ 900MHz, -39dB ⊗ 100MHz           Insertion Loss (I IP Parameter)         -0.7dB ⊗ 900MHz, -27dB ⊗ 900MHz           Body Features         Weight           Weight         1.8 g(0.635 oz)           Contact Features         Contact Plating Material           Contact Plating Material         Ruthenium           Contact Special Features         Reed Contacts           Signal Relay Leminal Type         PCB-THI           Signal Relay Contact Current Rating         A A           Signal Relay Contact Arrangement         1 Form A (NO)           Contact Number of Poles         2           Termination Type         Through Hole           Mechanical Attachment         Signal Relay Mounting Type         Printed Circuit Board           Dimensions         Width Class (Mechanical)         Δ - 8 mm		
Coil Special Features Contact Voltage Rating 24 VDC Signal Relay Coil Power Rating (DC) Signal Relay Coil Voltage Rating 12 VDC Signal Relay Contact Switching Voltage (Max) Signal Relay Coil Magnetic System Monostable, DC Signal Characteristics Isolation (HF Parameter) Insertion Loss (Hif Parameter) Podds @ 100MHz, -27d8 @ 900MHz, 39d8 @ 100MHz Insertion Loss (Hif Parameter) Insertion Loss (Hif Parameter) Read Contact Plating Material Contact Plating Material Contact Plating Material Contact Special Features Read Contacts Signal Relay Terminal Type PCH-THT Signal Relay Contact Current Rating A A Signal Relay Contact Arrangement Inform A (NO) Contact Material Contact Number of Poles Termination Type Through Hole Mechanical Attachment Signal Relay Mounting Type Printed Circuit Board Dimensions Width Class (Mechanical)  6 – 8 mm		
Contact Voltage Rating 24 VDC  Signal Relay Coil Power Rating (DC) 140 mW  Signal Relay Coil Voltage Rating 12 VDC  Signal Relay Contact Switching Voltage (Max) 200 VDC  Signal Relay Coil Magnetic System Monostable, DC  Signal Characteristics  Isolation (HI Parameter) -20.7dB @ 900MHz, -39dB @ 100MHz  Insertion Loss (HF Parameter) -02dB @ 100MHz, -27dB @ 900MHz  Body Features  Weight 1.8 gl.0635 or]  Contact Features  Contact Plating Material Ruthenium  Contact Current Class 0 2 A  Contact Special Features Reed Contacts  Signal Relay Terminal Type PCB.THT  Signal Relay Contact Current Rating 4 A  Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Polas 2  Termination Features  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 8 mm		
Signal Relay Coil Power Rating (DC)  Signal Relay Coil Voltage Rating  12 VDC  Signal Relay Contact Switching Voltage (Max)  Signal Relay Coil Magnetic System  Monostable, DC  Signal Characteristics  Isolation (HF Parameter)  Insertion Loss (HF Parameter)  Pought 18 g1.0635 oz]  Contact Features  Weight 18 g1.0635 oz]  Contact Features  Contact Plating Material  Contact Current Class  O – 2 A  Contact Special Features  Signal Relay Contact Current Rating  A A  Signal Relay Contact Current Rating  A A  Signal Relay Contact Current Rating  A A  Signal Relay Contact Arrangement  Contact Number of Poles  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm		
Signal Relay Coil Voltage Rating 12 VDC  Signal Relay Coil Magnetic System Monostable, DC  Signal Relay Coil Magnetic System Monostable, DC  Signal Characteristics  Isolation (HF Parameter) -20.7dB @ 900MHz, -39dB @ 100MHz Insertion Loss (HF Parameter) -0.2dB @ 100MHz, -27dB @ 900MHz  Body Features  Weight 1.8 gl.0635 oz]  Contact Features  Contact Plating Material Ruthenium  Contact Current Class 0-2 A  Contact Special Features Reed Contacts  Signal Relay Terminal Type PCB-THT  Signal Relay Contact Current Rating 4 A  Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6-8 mm		
Signal Relay Contact Switching Voltage (Max)  Signal Relay Coil Magnetic System  Monostable, DC  Signal Characteristics  Isolation (HF Parameter)  -20.7dB @ 900MHz, -39dB @ 100MHz  Insertion Loss (HF Parameter)  -02dB @ 100MHz, -27dB @ 900MHz  Body Features  Weight  1.8 g[.0635 oz]  Contact Features  Contact Features  Contact Plating Material  Contact Current Class  0 - 2 \( \)  Contact Special Features  Signal Relay Terminal Type  PCB-THT  Signal Relay Contact Current Rating  4 \( \)  Signal Relay Contact Arrangement  1 Form \( \) (NO)  Contact Material  Contact Material  Ruthenium  Contact Number of Poles  2  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 - 8 mm		
Signal Relay Coil Magnetic System  Signal Characteristics  Isolation (HF Parameter) Insertion Loss (HF Parameter) Insertion Loss (HF Parameter)  Body Features  Weight  1.8 gl.0635 ozj  Contact Features  Contact Plating Material Contact Current Class  Contact Special Features  Reed Contacts  Signal Relay Terminal Type PCB-THT  Signal Relay Contact Arrangement 1 Form A (NO) Contact Material Ruthenium  Contact Material Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 - 8 mm		
Signal Characteristics  Isolation (HF Parameter) -20.7dB @ 900MHz, -39dB @ 100MHz Insertion Loss (HF Parameter) -0.2dB @ 100MHz, -27dB @ 900MHz  Body Features  Weight 1.8 gf.0635 oz]  Contact Features  Contact Plating Material Ruthenium  Contact Current Class 0-2 A  Contact Special Features Reed Contacts  Signal Relay Terminal Type PCB-THT  Signal Relay Contact Current Rating 4 A  Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm		
Isolation (HF Parameter) Insertion Loss (HF Parameter) -0.2dB @ 100MHz,27dB @ 900MHz  Body Features  Weight 1.8 g[.0635 oz]  Contact Features  Contact Plating Material Contact Current Class 0 – 2 A  Contact Special Features  Reed Contacts Signal Relay Terminal Type PCB-THT  Signal Relay Contact Current Rating 4 A  Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm		Monostable, DC
Insertion Loss (HF Parameter)  Body Features  Weight  1.8 gl.0635 ozl  Contact Features  Contact Plating Material  Contact Current Class  Contact Special Features  Reed Contacts  Signal Relay Terminal Type  PCB-THT  Signal Relay Contact Current Rating  4 A  Signal Relay Contact Arrangement  1 Form A (NO)  Contact Material  Ruthenium  Contact Number of Poles  2  Termination Features  Termination Type  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Signal Characteristics	
Weight 1.8 gf.0635 oz]  Contact Features  Contact Plating Material Ruthenium  Contact Current Class 0 - 2 A  Contact Special Features Reed Contacts  Signal Relay Terminal Type PCB-THT  Signal Relay Contact Current Rating .4 A  Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 - 8 mm	Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz
Weight 1.8 gl.0635 ozl  Contact Features  Contact Plating Material Ruthenium  Contact Current Class 0 – 2 A  Contact Special Features Reed Contacts  Signal Relay Terminal Type PCB-THT  Signal Relay Contact Current Rating 4 A  Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm	Insertion Loss (HF Parameter)	02dB @ 100MHz,27dB @ 900MHz
Contact Features  Contact Plating Material Ruthenium  Contact Current Class 0–2 A  Contact Special Features Reed Contacts  Signal Relay Terminal Type PCB-THT  Signal Relay Contact Current Rating 4 A  Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6–8 mm	Body Features	
Contact Plating Material  Contact Current Class  Contact Special Features  Reed Contacts  Signal Relay Terminal Type  PCB-THT  Signal Relay Contact Current Rating  AA  Signal Relay Contact Arrangement  1 Form A (NO)  Contact Material  Ruthenium  Contact Number of Poles  2  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Weight	1.8 g[.0635 oz]
Contact Current Class  Contact Special Features  Reed Contacts  Signal Relay Terminal Type  PCB-THT  Signal Relay Contact Current Rating  4.4 A  Signal Relay Contact Arrangement  1 Form A (NO)  Contact Material  Ruthenium  Contact Number of Poles  2  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Contact Features	
Contact Special Features  Signal Relay Terminal Type  PCB-THT  Signal Relay Contact Current Rating  A A  Signal Relay Contact Arrangement  1 Form A (NO)  Contact Material  Contact Number of Poles  2  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Contact Plating Material	Ruthenium
Signal Relay Terminal Type  Signal Relay Contact Current Rating  A A  Signal Relay Contact Arrangement  1 Form A (NO)  Contact Material  Ruthenium  Contact Number of Poles  2  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Contact Current Class	0 – 2 A
Signal Relay Contact Current Rating  Signal Relay Contact Arrangement  1 Form A (NO)  Contact Material  Ruthenium  Contact Number of Poles  2  Termination Features  Termination Type  Through Hole  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Contact Special Features	Reed Contacts
Signal Relay Contact Arrangement 1 Form A (NO)  Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm	Signal Relay Terminal Type	PCB-THT
Contact Material Ruthenium  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm	Signal Relay Contact Current Rating	.4 A
Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm	Signal Relay Contact Arrangement	1 Form A (NO)
Termination Features  Termination Type Through Hole  Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm	Contact Material	Ruthenium
Termination Type  Mechanical Attachment  Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Contact Number of Poles	2
Mechanical Attachment  Signal Relay Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 6 – 8 mm	Termination Features	
Signal Relay Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  6 – 8 mm	Termination Type	Through Hole
Dimensions  Width Class (Mechanical)  6 – 8 mm	Mechanical Attachment	
Width Class (Mechanical) 6 – 8 mm	Signal Relay Mounting Type	Printed Circuit Board
	Dimensions	
Width 7 mm[.276 in]	Width Class (Mechanical)	6 – 8 mm
	Width	7 mm[.276 in]



Height	7.5 mm[.295 in]
Length Class (Mechanical)	16 – 20 mm
Length	19.3 mm[.76 in]
Height Class (Mechanical)	7 – 8 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	Standard
Packaging Features	

Box & Tube, Tube

# **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 2022 (224) Candidate List Declared Against: JUL 2021 (219) 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

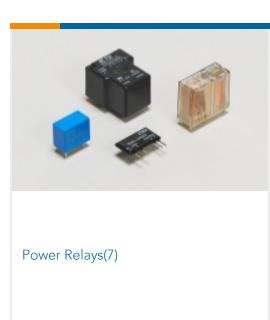


# Compatible Parts





# Also in the Series | Axicom Reed Relay V23100 -V4





### **Documents**

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-1393763-7\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-1393763-7\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-1393763-7\_B.3d\_stp.zip

English

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

## Datasheets & Catalog Pages

Reed Relay V23100-V4

English

# **Product Specifications**

Definitions, Handling, Processing, Testing and Use of Relays

English

**Product Specification** 

Signal Relays, 24 VDC Contact Voltage, 140 mW Coil Power (DC), Printed Circuit Board, PCB-THT, 12 VDC Coil Voltage, .4 A, Axicom Reed Relay V23100 -V4



English