# V23105A5407A201 ✓ ACTIVE



Axicom | Axicom D2n Relay

TE Internal #: 1-1393793-1

Axicom D2n Relay, Signal Relays, 220VDC Contact Voltage Rating, 250VAC Contact Voltage Rating, 400mW Coil Power Rating (DC)

View on TE.com >



Relays, Contactors & Switches > Relays > Signal Relays > AXICOM D2N SENSITIVE



Contact Voltage Rating: 250 VAC Coil Power Rating (DC): 400 mW

Isolation (HF Parameter): -20.7dB @ 900MHz, -39dB @ 100MHz Insertion Loss (HF Parameter): -.02dB @ 100MHz, -.27dB @ 900MHz

#### All AXICOM D2N SENSITIVE (16)

#### **Features**

## **Product Type Features**

Relay Type	D2n Relay V23105
Relay Style	D2n Relay
Product Type	Relay
Electrical Characteristics	
Coil Power Rating Class	300 – 400 mW
Actuating System	AC/DC
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Short-Time Current	3 A
Insulation Initial Dielectric Between Contacts and Coil	1050 Vrms
Insulation Initial Dielectric Between Coil/Contact Class	1000 V – 1500 VA
Voltage Standing Wave Ration (HF Parameter)	1.04 @ 100MHz, 1.4 @ 900MHz
Insulation Initial Dielectric Between Adjacent Contacts	750 Vrms
Power Consumption	400 mW
Insulation Initial Resistance	1000 ΜΩ
Contact Limiting Making Current	3 A
Coil Resistance	5760 Ω
Contact Limiting Continuous Current	3 A
Coil Type	Monostable



Isolation (HF Parameter) -20.7dB @ 900MHz, -39dB @ 100MHz Insertion Loss (HF Parameter) -02dB @ 100MHz, -27dB @ 900MHz  Body Features  Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features Insulation Special Features  Contact Features  Contact Plating Material Gold Contact Current Class 2 - 5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board		
Contact Voltage Rating	Contact Limiting Breaking Current	3 A
Coil Power Rating (DC)         400 mW           Coil Voltage Rating         48 VDC           Contact Switching Voltage (Max)         220 VDC           Coil Magnetic System         Monostable, DC           Signal Characteristics         Signal Characteristics           Insertion Loss (HF Parameter)         -20.7dB @ 900MHz, -39dB @ 100MHz           Insertion Loss (HF Parameter)         -0.2dB @ 100MHz, -27dB @ 900MHz           Body Features         1500V Initial Surge Withstand Voltage between Contacts & Coil           Weight         6 gf, 2116 ez]           Contact Features         Contact Plating Material         Gold           Contact Current Class         2 - 5 A           Terminal Type         PCB-THIT           Contact Current Rating         3 A           Contact Number of Poles         2           Termination Type         Through Hole           Mechanical Attachment         Mounting Type           Printed Circuit Board         Dimensions           Width Class (Machanical)         8 - 10 mm           Width Class (Machanical)         20 - 25 mm           Length Class (Mechanical)         20 - 25 mm	Contact Switching Load (Min)	10mA @ .2V
Coil Voltage Rating         48 VDC           Contact Switching Voltage (Max)         220 VDC           Coil Magnetic System         Monostable, DC           Signal Characteristics         Solation (IH: Parameter)           Bolation I loss (IH: Parameter)         -20.7dB @ 900MHz, -39dB @ 100MHz           Insertion I loss (III: Parameter)         -02dB @ 100MHz, -27dB @ 900MHz           Body Features         1500V Initial Surge Withstand Voltage between Contacts & Coil           Weight         6 gl.2116 ozl           Contact Features         Contact Plating Material         Gold           Contact Current Class         2 - 5 A           Terminal Type         PCB THT           Contact Current Rating         3 A           Contact Number of Poles         2           Termination Features         2           Termination Features         Through Hole           Mechanical Attachment         Mounting Type         Printed Circuit Board           Dimensions         Width Class (Mechanical)         8 - 10 mm           Width Class (Mechanical)         20 25 mm           Length         20.2 mm [795 in]	Contact Voltage Rating	250 VAC
Contact Switching Voltage (Max)  Coil Magnetic System  Monostable, DC  Signal Characteristics  Isolation (HF Parameter)  Insertion Loss (HF Parameter)  Insertion Loss (HF Parameter)  Insulation Special Features  Insulation Loss (Mechanical)  Insulation L	Coil Power Rating (DC)	400 mW
Signal Characteristics	Coil Voltage Rating	48 VDC
Signal Characteristics         -20.7dB @ 900MHz, -39dB @ 100MHz           Insertion Loss (HF Parameter)         -02dB @ 100MHz, -27dB @ 900MHz           Body Features         1500V Initial Surge Withstand Voltage between Contacts & Coil           Weight         6 g[.2116 oz]           Contact Features         Gold           Contact Plating Material         Gold           Contact Current Class         2 - 5 A           Terminal Type         PCB-THT           Contact Current Rating         3 A           Contact Number of Poles         2           Termination Features         1 Frough Hole           Termination Type         Printed Circuit Board           Mechanical Attachment         Printed Circuit Board           Mounting Type         Printed Circuit Board           Dimensions         8 10 mm           Width Class (Mechanical)         8 10 mm           Width Class (Mechanical)         11 mm[.433 in]           Length         20.2 mm[.795 in]	Contact Switching Voltage (Max)	220 VDC
Isolation (HF Parameter) Insertion Loss (HF Parameter) -0.2d B @ 900MHz,27d B @ 900MHz -0.2d B @ 100MHz,27d B @ 900MHz -0.2d B @ 100MHz -0.2d B @ 100MHz,27d B @ 900MHz -0.2d B @ 100MHz -0.2d	Coil Magnetic System	Monostable, DC
Insertion Loss (HF Parameter)  Body Features  Insulation Special Features  Insulation Insulati	Signal Characteristics	
Insulation Special Features  Insulation Special Features  1500V Initial Surge Withstand Voltage between Contacts & Coil  Weight  6 gl.2116 oz]  Contact Features  Contact Plating Material  Contact Current Class  2 – 5 A  Terminal Type  PCB-THT  Contact Current Rating  3 A  Contact Arrangement  2 Form C (CO)  Contact Number of Poles  2  Termination Features  Termination Type  Mechanical Attachment  Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  Width  10 mm[.394 in]  Height  Length  Length  20.2 mm[.795 in]	Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz
Insulation Special Features  1500V Initial Surge Withstand Voltage between Contacts & Coil  Weight 6 g[.2116 oz]  Contact Features  Contact Plating Material Contact Current Class 2 – 5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) Width 10 mm[.394 in] Height 11 mm[.433 in] Length Class (Mechanical) 20 – 25 mm  Length  Length 20.2 mm[.795 in]	Insertion Loss (HF Parameter)	02dB @ 100MHz,27dB @ 900MHz
Weight         6 g[.2116 oz]           Contact Features           Contact Plating Material         Gold           Contact Current Class         2 – 5 A           Terminal Type         PCB-THT           Contact Current Rating         3 A           Contact Arrangement         2 Form C (CO)           Contact Number of Poles         2           Termination Features         Through Hole           Mechanical Attachment         Printed Circuit Board           Dimensions         8 – 10 mm           Width Class (Mechanical)         8 – 10 mm           Width         10 mm(.394 in)           Height         11 mm(.433 in)           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm(.795 in)	Body Features	
Contact Plating Material Gold  Contact Current Class 2–5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8–10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20–25 mm  Length Class (Mechanical) 20–25 mm	Insulation Special Features	
Contact Current Class 2 – 5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20 – 25 mm	Weight	6 g[.2116 oz]
Contact Current Class 2–5 A  Terminal Type PCB-THT  Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm(.394 in]  Height Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20 – 25 mm	Contact Features	
Terminal Type Contact Current Rating 3 A Contact Arrangement 2 Form C (CO) Contact Number of Poles 2 Termination Features Termination Type Through Hole Mechanical Attachment Mounting Type Printed Circuit Board Dimensions  Width Class (Mechanical) Width 10 mm[.394 in] Height Length Class (Mechanical) 20.2 mm[.795 in]	Contact Plating Material	Gold
Contact Current Rating 3 A  Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20.2 mm[.795 in]	Contact Current Class	2 – 5 A
Contact Arrangement 2 Form C (CO)  Contact Number of Poles 2  Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length Class (Mechanical) 20.2 mm[.795 in]	Terminal Type	PCB-THT
Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) Width 10 mm[.394 in] Height Length Class (Mechanical) 2 2 2 2 2 3 4 4 4 5 4 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 8 8 8 8 9 9 9 9	Contact Current Rating	3 A
Termination Features  Termination Type Through Hole  Mechanical Attachment  Mounting Type Printed Circuit Board  Dimensions  Width Class (Mechanical) 8 – 10 mm  Width 10 mm[.394 in]  Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length  Length 20.2 mm[.795 in]	Contact Arrangement	2 Form C (CO)
Termination Type  Mechanical Attachment  Mounting Type  Printed Circuit Board  Dimensions  Width Class (Mechanical)  Width  10 mm[.394 in]  Height  11 mm[.433 in]  Length Class (Mechanical)  20 – 25 mm  Length  Length  20.2 mm[.795 in]	Contact Number of Poles	2
Mechanical Attachment           Mounting Type         Printed Circuit Board           Dimensions           Width Class (Mechanical)         8 – 10 mm           Width         10 mm[.394 in]           Height         11 mm[.433 in]           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm[.795 in]	Termination Features	
Mounting Type         Printed Circuit Board           Dimensions           Width Class (Mechanical)         8 – 10 mm           Width         10 mm[.394 in]           Height         11 mm[.433 in]           Length Class (Mechanical)         20 – 25 mm           Length         20.2 mm[.795 in]	Termination Type	Through Hole
Dimensions         Width Class (Mechanical)       8 – 10 mm         Width       10 mm[.394 in]         Height       11 mm[.433 in]         Length Class (Mechanical)       20 – 25 mm         Length       20.2 mm[.795 in]	Mechanical Attachment	
Width Class (Mechanical)       8 – 10 mm         Width       10 mm[.394 in]         Height       11 mm[.433 in]         Length Class (Mechanical)       20 – 25 mm         Length       20.2 mm[.795 in]	Mounting Type	Printed Circuit Board
Width       10 mm[.394 in]         Height       11 mm[.433 in]         Length Class (Mechanical)       20 – 25 mm         Length       20.2 mm[.795 in]	Dimensions	
Height 11 mm[.433 in]  Length Class (Mechanical) 20 – 25 mm  Length 20.2 mm[.795 in]	Width Class (Mechanical)	8 – 10 mm
Length Class (Mechanical)  Length  20 – 25 mm  20.2 mm[.795 in]	Width	10 mm[.394 in]
Length 20.2 mm[.795 in]	Height	11 mm[.433 in]
	Length Class (Mechanical)	20 – 25 mm
Height Class (Mechanical) 10 – 11 mm	Length	20.2 mm[.795 in]
	Height Class (Mechanical)	10 – 11 mm



#### **Usage Conditions**

Environmental Ambient Temperature (Max)	85 °C[85 °F]
Environmental Ambient Temperature Class	70 – 85°C
Environmental Category of Protection	RTIII
Operating Temperature Range	-40 – 85 °C, -40 – 85 °C
Operation/Application	
Performance Type	Standard
Packaging Features	
Packaging Method	Box & Tube, Tube

## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

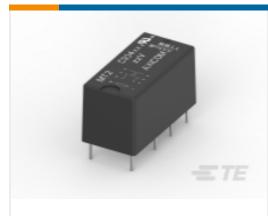
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JUL 2019 (201) Does not 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**





TE Model / Part # CAT-AX41-M8799B AXICOM MT2 STANDARD



# Also in the Series | Axicom D2n Relay



# Customers Also Bought

















## **Documents**

Product Drawings V23105A5407A201

English

**CAD Files** 

3D PDF

3D



**Customer View Model** 

ENG\_CVM\_CVM\_1-1393793-1\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393793-1\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393793-1\_C.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 THT Relays

English

Industrial Relays Quick Reference Guide

English

## **Product Specifications**

**Definitions Relays** 

English

**Product Specification** 

English