



[Axicom](#) | [Axicom D2n Relay](#)

TE Internal #: 1-1393793-5

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 575 mW Coil Power (DC), Printed Circuit Board, PCB-THT, Axicom D2n Relay

[View on TE.com >](#)

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



Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **575 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 | 500 – 600 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 MΩ |
| Contact Limiting Making Current | 3 A |
| Coil Resistance | 4000 Ω |
| Contact Limiting Continuous Current | 3 A |
| Coil Type | Monostable |
| Contact Limiting Breaking Current | 3 A |
| Contact Switching Load (Min) | 10mA @ .2V |
| Contact Voltage Rating | 220 VDC |
| Signal Relay Coil Power Rating (DC) | 575 mW |
| Signal Relay Coil Voltage Rating | 48 VDC |
| Signal Relay Contact Switching Voltage (Max) | 220 VDC |
| 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

| | |
|-----------------------------|---|
| Insulation Special Features | 1500V Initial Surge Withstand Voltage between Contacts & Coil |
| Weight | 6 g [.2116 oz] |

Contact Features

| | |
|-------------------------------------|---------------|
| Contact Plating Material | Gold |
| Contact Current Class | 2 – 5 A |
| Signal Relay Terminal Type | PCB-THT |
| Signal Relay Contact Current Rating | 3 A |
| Signal Relay Contact Arrangement | 2 Form C (CO) |
| Contact Number of Poles | 2 |

Termination Features

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

Mechanical Attachment

| | |
|----------------------------|-----------------------|
| Signal Relay 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] |
| Height Class (Mechanical) | 10 – 11 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

| | |
|------------------|------------------|
| 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 | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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 D2n Relay



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1393793-5_C1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1393793-5_C1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1393793-5_C1.2d_dxf.zip](#)

English

3D PDF

3D

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

[D2n Relay Datasheet](#)

English

Product Specifications

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

V23105A5478A201

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 575 mW Coil Power (DC), Printed Circuit Board, PCB-THT, Axicom D2n Relay



English