



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

TE Internal #: 1-1393793-4

Signal Relays, 220 VDC Contact Voltage, 250 VAC Contact Voltage, 550 mW Coil Power (DC), Printed Circuit Board, PCB-THT, Axicom D2n Relay

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Contact Voltage Rating: **220 VDC**

Signal Relay Coil Power Rating (DC): **550 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	1050 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)	550 mW
Signal Relay Coil Voltage Rating	24 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
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#### Mechanical Attachment

Signal Relay Mounting Type	Printed Circuit Board
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#### Dimensions

Width Class (Mechanical)	8 – 10 mm
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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
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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: 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\\_1-1393793-4\\_C1.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1393793-4\\_C1.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1393793-4\\_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](#)

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English