



## STANDARD POWER RELAYS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### T9AS1D22-12

Potter & Brumfield | T9A

T9AS1D22-12

TE Internal Number: 1-1419104-7

Alias ID: T9A-S1D22-12

Converted to EU RoHS but not ELV Compliant

[Find Compliant Alternatives](#)

Contact Current Rating (A) **30**

Coil Power Rating (DC) (mW) **1000**

Insulation Clearance Class **2.5 – 4mm**

Insulation Creepage Class **5.5 – 8mm**

Terminal Type **Quick Connect**

### Product Drawings

[RELAY, PC, SEALED](#)

PDF  
English

### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

[T9A DC Coil 30 Amp PC Board Or Panel Mount Relay](#)

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English

### Product Specifications

Product Specification

[Definitions Relays](#)

PDF  
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### Product Environmental Compliance

TE Material Declaration

[MD\\_1-1419104-7\\_100820152250\\_dmtec](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Product Type	Relay
	Relay Type	PCB Relay
Electrical Characteristics	Coil Power Rating (DC) (mW)	1000
	Insulation Creepage Class	5.5 – 8mm
	Coil Voltage Rating (VDC)	12
	Contact Voltage Rating (VAC)	277
	Contact Switching Voltage (Max) (VAC)	277
	Contact Limiting Breaking Current (A)	30
	Coil Special Features	UL Coil Insulation Class F
	Contact Limiting Continuous Current (A)	30
	Coil Magnetic System	Monostable, DC
	Contact Limiting Short-Time Current (A)	30
	Insulation Creepage Between Contact and Coil	6.36 mm [ .25 in ]
	Insulation Initial Resistance (MΩ)	1000
	Coil Resistance (Ω)	144
	Contact Limiting Making Current (A)	30
	Contact Switching Load (Min)	1000mA @ 5V
	Insulation Initial Dielectric Between Open Contacts (Vrms)	1500
	Insulation Initial Dielectric Between Contacts and Coil (Vrms)	2500
	Coil Power Rating Class	800 – 1000 mW
	Insulation Initial Dielectric Between Coil/Contact Class	1500 V – 2500 VA
	Body Features	Insulation Special Features
Weight		33 g [ 1.164 oz ]
Contact Features	Contact Current Rating (A)	30
	Terminal Type	Quick Connect
	Contact Arrangement	1 Form A (NO)
	Contact Number of Poles	1
	Contact Material	AgCdO
	Contact Current Class	20 – 30 A, Greater Than 16A
Mechanical Attachment	Mounting Type	Printed Circuit Board

Dimensions	Insulation Clearance Class	<b>2.5 – 4mm</b>
	Length Class (Mechanical) (mm)	<b>30 – 35</b>
	Length	<b>32.5 mm [ 1.281 in ]</b>
	Height Class (Mechanical) (mm)	<b>25 – 30</b>
	Height	<b>27.9 mm [ 1.098 in ]</b>
	Insulation Clearance Between Contact and Coil	<b>3.18 mm [ .125 in ]</b>
	Width Class (Mechanical) (mm)	<b>25 – 30</b>
	Width	<b>27.4 mm [ 1.079 in ]</b>

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Usage Conditions	Environmental Category of Protection	<b>RTIII</b>
	Environmental Ambient Temperature (Max)	<b>85 °C [ 185 °F ]</b>
	Environmental Ambient Temperature Class	<b>70 – 85°C</b>

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Packaging Features	Packaging Method	<b>Tray, Tray/Box</b>
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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)