

T9AS1D14-12 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T9A

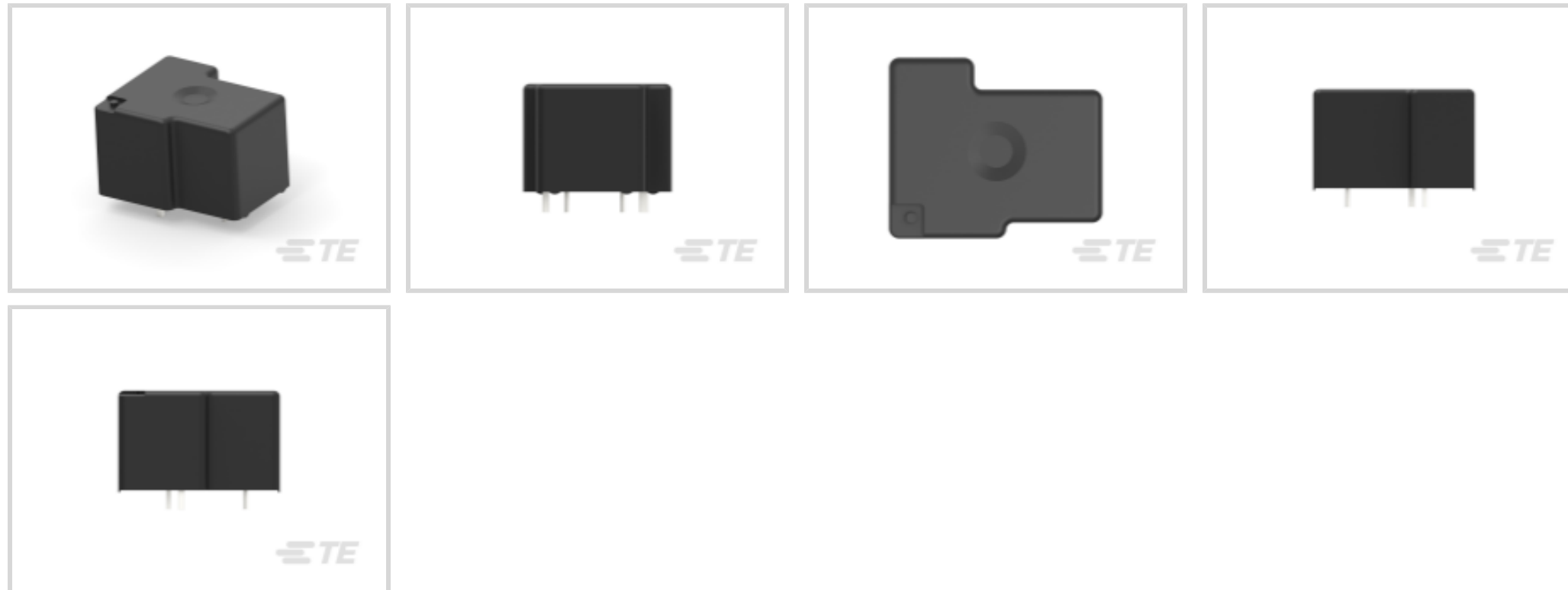
TE Internal #: 5-1423091-7

Potter & Brumfield T9A, Power Relays, Standard, Monostable, DC,
800 – 1000mW Coil Power Rating Class, 1000mW Coil Power Rating
DC

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays > PCB Power Relay: 30 Amp, Monostable DC



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **800 – 1000 mW**

Coil Power Rating DC: **1000 mW**

Coil Resistance: **144 Ω**

[All PCB Power Relay: 30 Amp, Monostable DC \(66\)](#)

Features

Product Type Features

Enclosure Type	Sealed
Output Type	AC
Power Relay Type	Standard

Configuration Features

Output Switching	Random
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	1500 – 2500 V
Output Current Rating	0 – 30 Arms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Contact Limiting Short-Time Current	30 A
Coil Power Rating	1 W



Insulation Creepage Class	5.5 – 8 mm
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Insulation Initial Resistance	1000 MΩ
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
Output Voltage (Max)	240 V
Contact Limiting Making Current	30 A
Insulation Creepage Between Contact & Coil	6.36 mm [.25 in]
Contact Limiting Continuous Current	30 A
Output Voltage Rating (AC Relays)	0 – 240 Vrms
Output Current (Min)	1 A
Contact Limiting Breaking Current	30 A
Coil Current	.083 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	800 – 1000 mW
Coil Power Rating DC	1000 mW
Coil Resistance	144 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	1000mA @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC

Body Features

Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
Product Weight	26 g [.918 oz]
Packaging Style	Panel Mount
Case Color	Black

Contact Features

Contact Plating Material	AgSnO
Switch Arrangement	1 Form A (SPST-NO)
Contact Arrangement	1 Form A (NO)
Contact Current Class	16 A, 20 – 30 A
Contact Current Rating (Max)	30 A



Contact Material	AgSnOInO
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Contact Number of Poles	1
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Terminal Type	PCB-THT
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Termination Features

Relay Termination Type	Printed Circuit Terminals
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Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	30 – 35 mm
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Height Class (Mechanical)	25 – 30 mm
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Insulation Clearance Between Contact & Coil	3.18 mm[.125 in]
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Insulation Clearance Class	2.5 – 4 mm
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Width Class (Mechanical)	25 – 30 mm
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Product Width	27.4 mm[1.079 in]
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Product Length	32.5 mm[1.281 in]
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Product Height	20.4 mm[.803 in]
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Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[185 °F]
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Environmental Ambient Temperature Class	70 – 85 °C
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Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Packaging Features

Packaging Method	Bundle, Tray
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900
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ppm.

Solder Process Capability

Wave solder capable to 265°C

Product Compliance Disclaimer

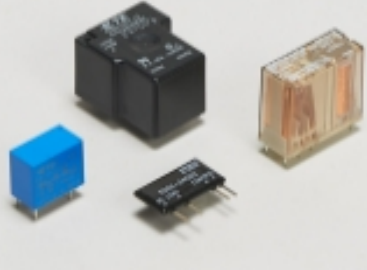
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



TE Part # CAT-SCH691-T1
PCB Power Relay: 30 Amp,
Monostable DC

Also in the Series | Potter & Brumfield T9A



Power Relays(66)

Customers Also Bought



TE Part #1-1971906-6
HEADER ASSY 12POS,KEYING-A,
NEW GIC3.3



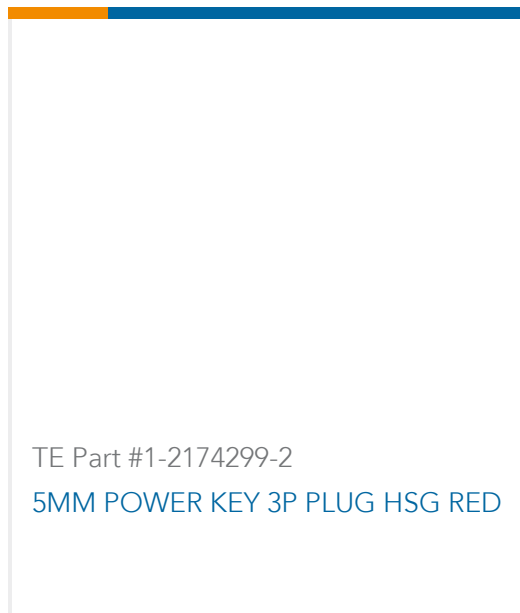
TE Part #1-917511-3
DYNAMIC D-3 REC CONT. 2L AU 0.76
L/P



TE Part #170213-1
250 FASTON,REC.,18-14 AWG,BR



TE Part #1-353080-2
DYNAMIC D-5200 HDR V ASSY 2P



Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_5-1423091-7_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1423091-7_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1423091-7_G.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Lighting Relays Guide](#)

English

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

English

[Industrial Relays Quick Reference Guide](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

Product Specifications

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



English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[5-1423091-7](#)