T9AS1D22-110 ✔ ACTIVE

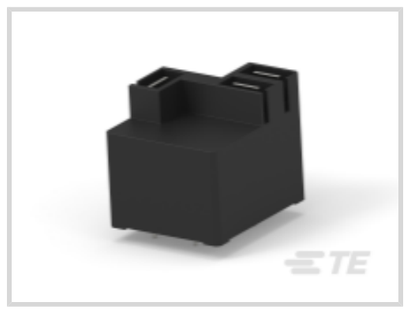
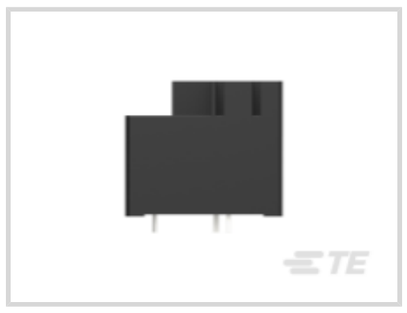
Potter & Brumfield | Potter & Brumfield T9A

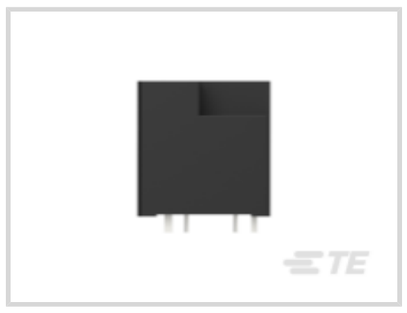
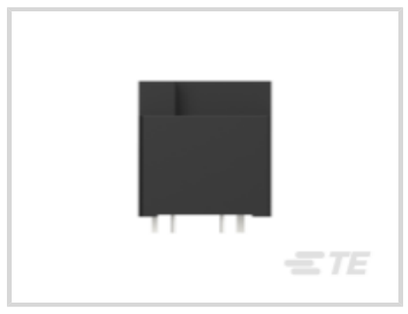
TE Internal #: 1-1419104-6

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: **12100 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

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	.009 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	800 – 1000 mW
Coil Power Rating DC	1000 mW
Coil Resistance	12100 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	110 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	33 g[1.164 oz]
Packaging Style	Panel Mount
Case Color	Black

Contact Features

Contact Plating Material	AgCdO
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	AgCdO
Contact Number of Poles	1
Terminal Type	Quick Connect

Termination Features

Relay Termination Type	Printed Circuit Terminals

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	30 – 35 mm
Height Class (Mechanical)	25 – 30 mm
Insulation Clearance Between Contact & Coil	3.18 mm[.125 in]
Insulation Clearance Class	2.5 – 4 mm
Width Class (Mechanical)	25 – 30 mm
Product Width	27.4 mm[1.079 in]
Product Length	32.5 mm[1.281 in]
Product Height	27.9 mm[1.098 in]

Usage Conditions

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

Packaging Features

Packaging Method	Box & Tray, Package

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Cadmium oxide (10% in contact) Article Safe Usage Statements:

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 260°C

Product Compliance Disclaimer

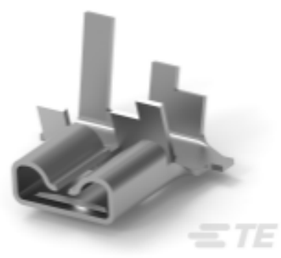
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

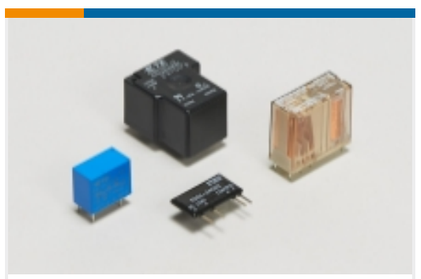
TE Part # 63306-2
FASTON 250 RECEPTACLE 18-14 AWG TPBR

TE Part # 63435-1
FASTON .250 REC 14-10 AWG SPBR



TE Part # 2238209-3
250 FASTON,FLAG,REC.,22-12 AWG, PTBR

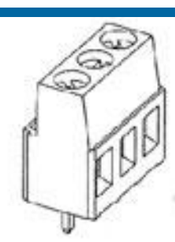
Also in the Series | Potter & Brumfield T9A



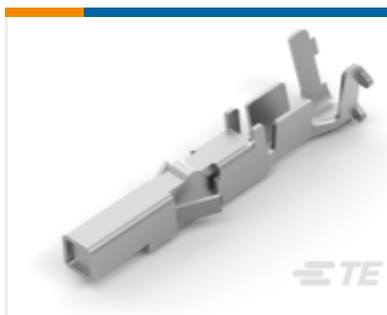
Power Relays(66)

Customers Also Bought

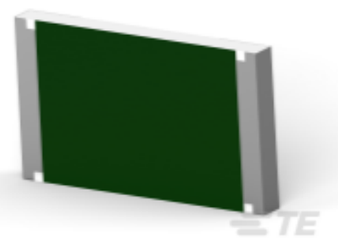
TE Part #3-1419104-2
PCB Power Relay: 30 Amp, Monostable DC



TE Part #1-282841-1
TERMI-BLOK PCB MOUNT 11P.5

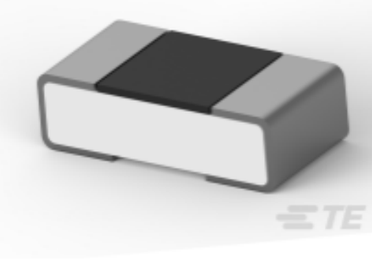


TE Part #2825213-1
VAL-U-LOK SKT HCS SN 22-18 LP



TE Part #2176406-9
3560 2R2 1%

TE Part #1-2329389-1
PB OFF/ON FC YLW M1 TERM WHI LED IP68 50



TE Part #3-2176362-6
RQ 0402 93R1 0.1% 10PPM 5K RL

TE Part #YDTS26F13-04SEV001
Straight Plug: D38999, 13-04 Insert, Electroless Nickel Plating

TE Part #1408337-1
QMA RIGHT ANGLE PWB JACK

TE Part #20004013-00
PRESS XDCR M325P-00000E-025BG

TE Part #2176429-5
MPT100 R47 5%

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1419104-6_G.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1419104-6_G.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1419104-6_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

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