# T9CP1A52-120 ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield T9C

TE Internal #: 1649341-5

General Purpose Power Relay, AC, Monostable, 1 Form A SPST-NO, 30 A Contact Rating, 120 VAC Coil Voltage, Potter & Brumfield T9C

View on TE.com >

Relays & Contactors > Electromechanical Relays







Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **AC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Contact Current Rating: **30 A**

## Features

### Contact Features

| | |
|---|---|
| Contact Material | AgCdO |

### Dimensions

| | |
|---|---|
| Insulation Clearance Between Contact & Coil | 3.18 mm[.125 in] |
| Insulation Creepage Between Contact & Coil | 6.36 mm[.25 in] |
| Product Width | 27.43 mm[1.08 in] |
| Product Length | 50.29 mm[1.97 in] |
| Product Height | 27.94 mm[1.1 in] |

### Packaging Features

| | |
|---|---|
| Packaging Method | Tray/Box |

### Other

| | |
|---|---|
| Contact Current Class | 16 A |
| Environmental Ambient Temperature Class | -40 – 70 °C |
| Height Class (Mechanical) | 20 – 35 mm |
| Length Class (Mechanical) | 50 – 55 mm |

| | |
|---|---|
| Width Class (Mechanical) | 25 – 30 mm |
| EU RoHS Compliance | Compliant with Exemptions |
| EU ELV Compliance | Compliant |

## Usage Conditions

| | |
|---|---|
| Environmental Category of Protection | RTII |
| Environmental Ambient Temperature (Max) | 70 °C[-40 °F] |

## Mechanical Attachment

| | |
|---|---|
| Product Mounting Feature Type | Flange with Mounting Slots |
| Product Mount Type | Panel Mount |

## Electrical Characteristics

| | |
|---|---|
| Contact Limiting Short-Time Current | 30 A |
| Contact Limiting Making Current | 30 A |
| Contact Limiting Continuous Current | 30 A |
| Contact Limiting Breaking Current | 30 A |
| Insulation Initial Dielectric Between Open Contacts | 1500 Vrms |
| Contact Switching Voltage (Max) | 277 VAC |
| Contact Switching Load (Min) | 1000mA @ 5V |
| Coil Resistance | 2800 Ω |
| Coil Power Rating AC | 1600 VA |
| Insulation Initial Resistance | 1000 MΩ |
| Contact Current Rating | 30 A |
| Coil Voltage Rating | 120 VAC |
| Contact Voltage Rating | 277 VAC |
| Insulation Initial Dielectric Between Contacts & Coil | 2500 Vrms |

## Configuration Features

| | |
|---|---|
| Contact Number of Poles | 1 |
| Coil Special Features | UL Coil Insulation Class F |
| Contact Arrangement | 1 Form A SPST-NO |

## Product Type Features

| | |
|---|---|
| Relay & Contactor Type | General Purpose Power Relay |

## Operation/Application

| | |
|---|---|
| Current Type | AC |

| | |
|---|---|
| Coil Magnetic System | Monostable |

### Body Features

| | |
|---|---|
| Enclosure Type | Flux Resistant Automatic Soldering |

### Termination Features

| | |
|---|---|
| Main Termination & Connection Type | Quick Connect Terminals |
| Coil Termination & Connection Type | Quick Connect Terminals |

## 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 | 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Cadmium oxide (10% in Component Part)<br>**Article Safe Usage Statements:**<br>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 Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not applicable for solder process capability |

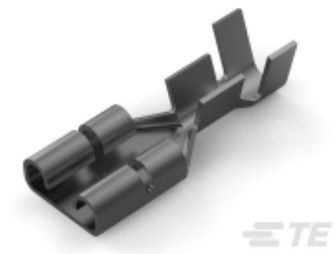
Product Compliance Disclaimer

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

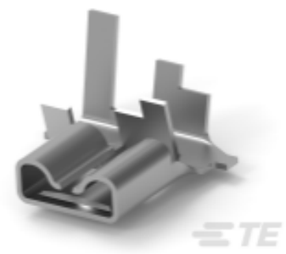
## Compatible Parts



TE Part # 1649341-6
T9CP1A52-240



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

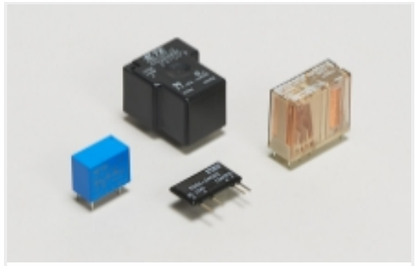


TE Part # 2238209-3
250 FASTON,FLAG,REC.,22-12 AWG, PTBR



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

## Also in the Series | Potter & Brumfield T9C

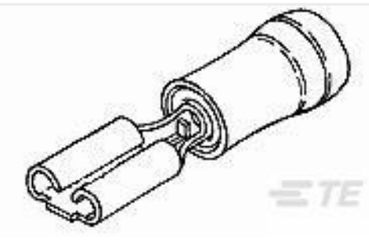


General Purpose Power Relays(12)

## Customers Also Bought



TE Part #1-1649341-7
T9CP5A54-24



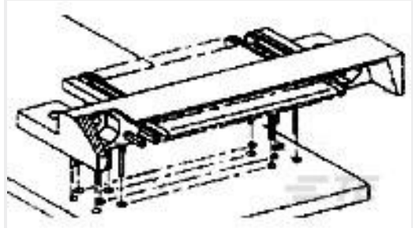
TE Part #165566-2
110 PIDG FASTON REC



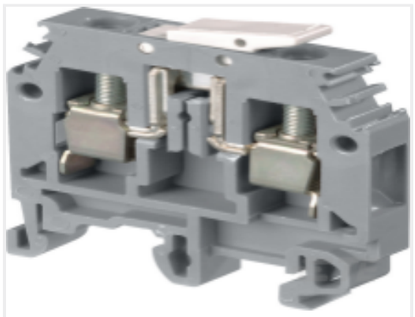
TE Part #1-1649341-4
T9CP5A52-120



TE Part #1393130-7
PRD-7AY0-120=PRD



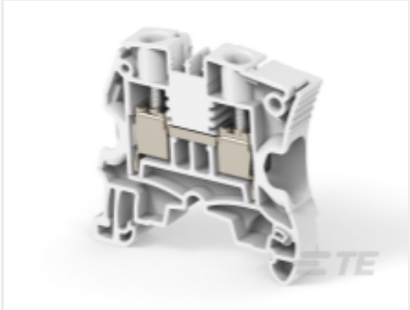
TE Part #530733-9
MINI-BX ASSY PIN HDR 128 POS



TE Part #1SNA115688R2500
M6/8.SNB



TE Part #1SNK506065R0000
ZS6-WH



TE Part #1SNK508065R0000
ZS10-WH

TE Part #214363-E
ERMBGR BS GSEFB * LP60 GPAU ERMET-BAUSAT

TE Part #374219-E
ERMBGR FBUK GSE * M4 9999 ERMET-BAUSATZ

## Documents

### Product Drawings

T9CP1A52-120

English

### Datasheets & Catalog Pages

T9C Series Relay Data Sheet - English

English

### Product Specifications

Definitions General Purpose Relays

English

### Agency Approvals

VDE Certificate

English