# K10P-11D15-24 ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield K10

TE Internal #: 5-1393144-7

General Purpose Power Relay, DC, Monostable, 2 Form C DPDT-CO, 15 A Contact Rating, 24 VDC Coil Voltage, Potter & Brumfield K10

View on TE.com >

Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Current Type: **DC**

Contact Current Rating: **15 A**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Contact Number of Poles | 2 |
| Coil Special Features | UL Coil Insulation Class B |
| Contact Arrangement | 2 Form C DPDT-CO |

### Electrical Characteristics

| | |
|---|---|
| Contact Limiting Short-Time Current | 10 A |
| Contact Limiting Making Current | 10 A |
| Contact Limiting Continuous Current | 10 A |
| Contact Limiting Breaking Current | 10 A |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Insulation Initial Dielectric Between Adjacent Contacts | 1500 Vrms |
| Contact Switching Load (Min) | 300mA @ 12V |
| Coil Resistance | 650 Ω |
| Insulation Initial Resistance | 1000 MΩ |
| Contact Current Rating | 15 A |
| Coil Voltage Rating | 24 VDC |
| Contact Voltage Rating | 120 VAC |

| | |
|---|---|
| Coil Power Rating DC | .9 W |
| Insulation Initial Dielectric Between Contacts & Coil | 1500 Vrms |

## Body Features

| | |
|---|---|
| Product Weight | 51 g[1.799 oz] |
| Enclosure Type | Dust Protected |

## Contact Features

| | |
|---|---|
| Contact Material | Silver Cadmium Oxide |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Product Mount Type | Panel & Socket Mount |

## Dimensions

| | |
|---|---|
| Product Width | 21.84 mm[.86 in] |
| Product Length | 28.17 mm[1.109 in] |
| Product Height | 34.98 mm[1.37 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -45 – 70 °C[-49 – 158 °F] |
| Environmental Category of Protection | RTI |
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |

## Operation/Application

| | |
|---|---|
| Coil Magnetic System | Monostable |
| Current Type | DC |

## Packaging Features

| | |
|---|---|
| Packaging Method | Tray |

## Other

| | |
|---|---|
| Coil Power Rating Class | >.6 – ≤1 W |
| Contact Current Class | >10 – ≤16 A |
| Height Class (Mechanical) | >33 – ≤45 mm[>1.299 – ≤1.772 in] |
| Length Class (Mechanical) | >22 – ≤33 mm[>.866 – ≤1.299 in] |
| Width Class (Mechanical) | >16 – ≤22 mm[>.63 – ≤.866 in] |

## 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 Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Cadmium oxide (10% in 209023267)<br>Cd (7.5% 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 | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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 # 1-1419106-9
27E487=SOCKET,K10,8,SCW,PHEN, SURF-MNT

TE Part # 2-1419106-0
27E488=SOCKET,K10,8,QC.187,NYL



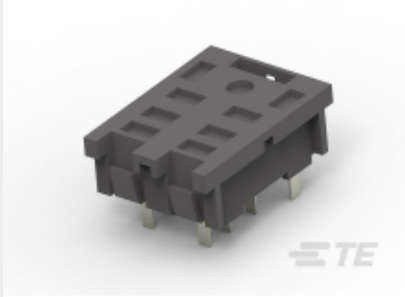
TE Part # 6-1393144-8
K10P-11D55-24=K10/K20



TE Part # 2-1419106-7
27E895=SOCKET,K10,8,QC,POLY, DINRAIL



TE Part # 5-1393144-1
K10P-11DT5-24=K10/K20

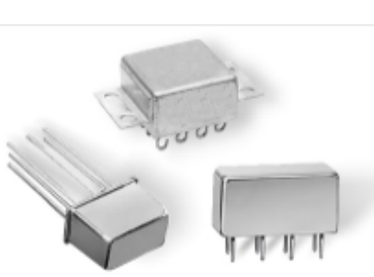


TE Part # 2-1419106-1
27E489=SOCKET,K10,8,PCB,NYL

## Also in the Series | Potter & Brumfield K10



AC Relays(7)



DC Relays(11)



Electromechanical Relays(18)



Plug-In Relays(14)



Relay Accessories(3)

## Customers Also Bought



TE Part #K1060542
Relay 26-55-710



TE Part #628633-000
101A031-25-0



TE Part #NB14002001
TAT-125-1-0-STK



TE Part #3-644898-3
03P CST100 SHRD HDR ASSY LF



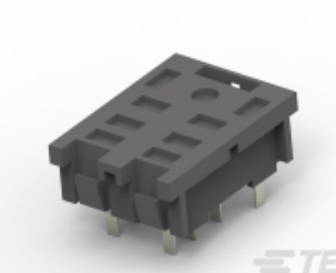
TE Part #9-1393113-7
KUEP-3D15-110=KU



TE Part #1-1393114-1
KUEP-7D15-24=KU



TE Part #4-1393117-3
KUP-11D15-110=KU



TE Part #2-1419106-1
27E489=SOCKET,K10,8,PCB,NYL

TE Part #K1162382
CIRRUS-FWD-MCU_Redesign 89-03-002

TE Part #K1162385
CIRRUS-AFT-MCU_Redesign 89-02-001

# Documents

## CAD Files

### Customer View Model

ENG_CVM_CVM_5-1393144-7_B.2d_dxf.zip

English

### 3D PDF

3D

### Customer View Model

ENG_CVM_CVM_5-1393144-7_B.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_5-1393144-7_B.3d_stp.zip

English

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

## Datasheets & Catalog Pages

### K10 Series Miniature Relay

English

## Product Specifications

### Definitions General Purpose Relays

English

## Agency Approvals

### UL

English