K10P-11D15-48 ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield K10

TE Internal #: 5-1393144-9

General Purpose Power Relay, DC, Monostable, 2 Form C DPDT-CO, 15 A Contact Rating, 48 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	2600 Ω
Insulation Initial Resistance	1000 MΩ
Contact Current Rating	15 A
Coil Voltage Rating	48 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	Package

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

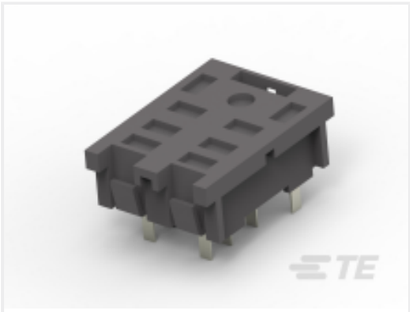
For compliance documentation, visit the product page on TE.com>

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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Cadmium oxide (10% in 209023267) **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	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 # 2-1419106-1
27E489=SOCKET,K10,8,PCB,NYL



TE Part # 6-1393144-9
K10P-11D55-48=K10/K20



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



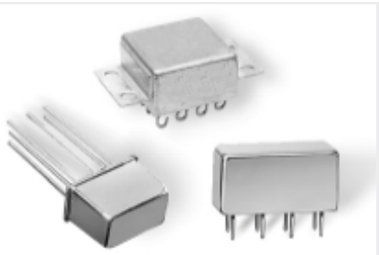
TE Part # 2-1419106-7

27E895=SOCKET,K10,8,QC,POLY, DINRAIL

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 #810314-SF

FN3268-16-44



TE Part #NB17932001

RNF-100-1-1/2-BK-STK



TE Part #K1060657

Battery Disconnector 35-553



TE Part #HDP24-24-31PT-L017

REC, 31P, BLK, T, RNG, 16, P



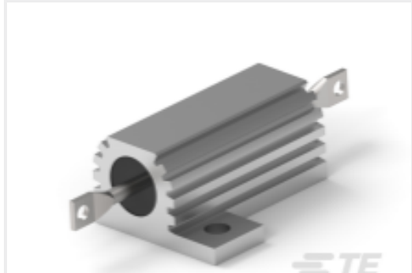
TE Part #1-1415012-1

V23047-A1110-A501



TE Part #6-1437624-7

PKG70B1/4=KNOB PLASTIC BLK LEX



TE Part #CAT-C339-T419

Power Resistor: Aluminum Housed, 75 Watt

TE Part #8-1608052-3

157-23F2LC=R2983

Documents

CAD Files

Customer View Model

ENG_CVM_5-1393144-9_0303.3d_igs.zip

English

Customer View Model

ENG_CVM_5-1393144-9_0303.3d_stp.zip

English

Customer View Model

ENG_CVM_5-1393144-9_0303.2d_dxf.zip

English

3D PDF

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