

K10P-11AT1-24

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield K10

TE Internal #: 3-1393144-1

Potter & Brumfield K10, Power Relays, Industrial Panel Plug-In, Monostable, AC, 1 – 2VA Coil Power Rating Class, 1.25VA Coil Power Rating AC

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**
Coil Magnetic System: **Monostable, AC**
Coil Power Rating Class: **[1 – 2 VA]**
Coil Power Rating AC: **1.25 VA**
Coil Resistance: **160 Ω**

Features

Product Type Features

Power Relay Type	Industrial Panel Plug-In
------------------	--------------------------

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	1000 – 1500 V
Insulation Initial Dielectric Between Contacts & Coil	1500 Vrms
Actuating System	AC
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	15 A
Contact Limiting Short-Time Current	15 A
Contact Limiting Continuous Current	15 A
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Insulation Initial Resistance	1000 MΩ
Contact Limiting Breaking Current	15 A
Coil Magnetic System	Monostable, AC
	1 – 2 VA
Coil Power Rating AC	1.25 VA
Coil Resistance	160 Ω
Coil Special Features	UL Coil Insulation Class B
Coil Voltage Rating	24 VAC



Contact Switching Load (Min)	100mA @ 12V
Contact Voltage Rating	120 VAC

Body Features

Product Weight	51 g[1.799 oz]
----------------	----------------

Contact Features

Contact Arrangement	2 Form C (CO)
Contact Current Class	5 – 10 A, 16 A
Contact Current Rating (Max)	10 A
Contact Material	Ag
Contact Number of Poles	2
Terminal Type	Quick Connect, Solder

Mechanical Attachment

Relay Mounting Type	Bracket, Panel Mount
---------------------	----------------------

Dimensions

Length Class (Mechanical)	25 – 30 mm
Height Class (Mechanical)	40 – 50 mm
Width Class (Mechanical)	20 – 25 mm
Product Width	21.7 mm[.854 in]
Product Length	27.6 mm[1.087 in]
Product Height	42.7 mm[1.681 in]

Usage Conditions

Environmental Ambient Temperature Class	50 – 70 °C
Environmental Ambient Temperature (Max)	70 °C[158 °F]
Operating Temperature Range	-45 – 70 °C

Packaging Features

Packaging Method	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 2013 (144)
SVHC > Threshold:
Not Yet Reviewed

Halogen Content

Not Yet Reviewed for halogen content

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

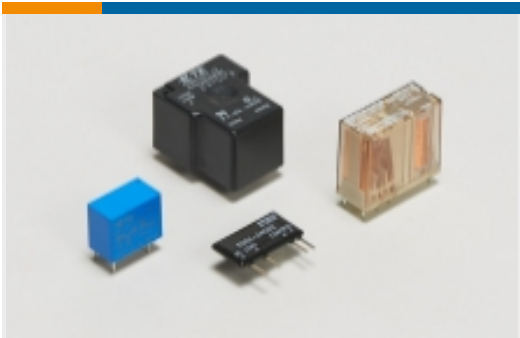
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 3-1393144-5
K10P-11AT5-24=K10/K20

Also in the Series | Potter & Brumfield K10



Power Relays(27)



Relay Accessories, Sockets & Clips(3)

Customers Also Bought



TE Part #4-1393144-0
K10P-11A15-120=K10/K20



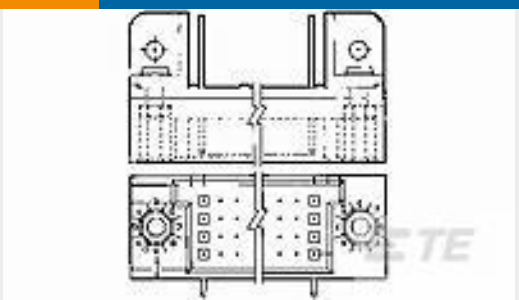
TE Part #1-530743-4
MINI BOX PIN HDR ASY 40 POS



TE Part #2825380-1
MAG-MATE TERM 20-22 016 TPBR



TE Part #YDTS26F21-39HNV001
Straight Plug: D38999, 21-39 Insert, Electroless Nickel Plating



TE Part #533286-9
HDI PIN ASSY 4 ROW 240 POS R/A



TE Part #2-1586861-4
24P PM PLUG VAL-U-LOK PM GW



TE Part #2173211-2
ELCON MINI 4P VERT HEADER, SHIELDED,P/F



TE Part #2176368-3
RQ 0603 52K3 0.1% 10PPM 1K RL



TE Part #5-2176376-8
RQ 0805 48K7 0.1% 10PPM 1K RL



TE Part #8-2176373-7
RQ 0805 78R7 0.1% 10PPM 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1393144-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1393144-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1393144-1_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 15 Amp General Purpose Miniature 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