

K10P-11D15-120

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield K10

TE Internal #: 5-1393144-6

Potter & Brumfield K10, Power Relays, Industrial Panel Plug-In,
Monostable, DC, 800 – 1000mW Coil Power Rating Class, 900mW
Coil Power Rating DC

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**
Coil Magnetic System: **Monostable, DC**
Coil Power Rating Class: **800 – 1000 mW**
Coil Power Rating DC: **900 mW**
Coil Resistance: **160 Ω**

Features

Product Type Features

Power Relay Type	Industrial Panel Plug-In
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	1000 – 1500 V
Insulation Initial Dielectric Between Contacts & Coil	1500 Vrms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	10 A
Contact Limiting Short-Time Current	10 A
Contact Limiting Continuous Current	10 A
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Insulation Initial Resistance	1000 MΩ
Contact Limiting Breaking Current	10 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	800 – 1000 mW
Coil Power Rating DC	900 mW
Coil Resistance	160 Ω
Coil Special Features	UL Coil Insulation Class B
Coil Voltage Rating	12 VDC

Contact Switching Load (Min)	300mA @ 12V
Contact Voltage Rating	120 VAC

Body Features

Product Weight	51 g[1.799 oz]
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Contact Features

Contact Arrangement	2 Form C (CO)
Contact Current Class	10 – 20 A, 16 A
Contact Current Rating (Max)	15 A
Contact Material	AgCdO
Contact Number of Poles	2
Terminal Type	Quick Connect, Solder

Mechanical Attachment

Relay Mounting Type	Socket
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Dimensions

Length Class (Mechanical)	25 – 30 mm
Height Class (Mechanical)	30 – 40 mm
Width Class (Mechanical)	20 – 25 mm
Product Width	21.8 mm[.858 in]
Product Length	28.2 mm[1.111 in]
Product Height	34.9 mm[1.374 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
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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: DEC 2012 (138)
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 # 2-1419106-1
27E489=SOCKET,K10,8,QC.187,NYL



TE Part # 1-1419106-9
27E487=SOCKET,K10,8,SCW,PHEN,G

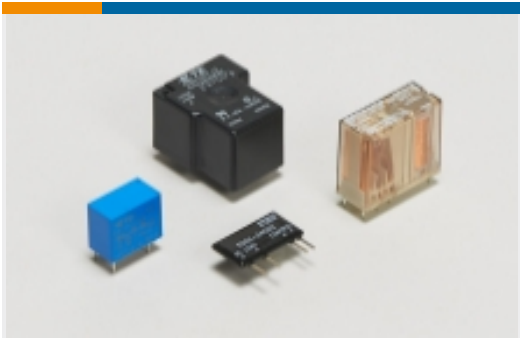


TE Part # 2-1419106-7
27E895=SOCKET,K10,8,QC,POLY,NA



TE Part # 2-1419106-0
27E488=SOCKET

Also in the Series | Potter & Brumfield K10



Power Relays(27)



Relay Accessories, Sockets & Clips(3)

Customers Also Bought



TE Part #1376390-1
STD Temp Power Key Plug

TE Part #282815-7
TERMI-BLOK HEADER, ASSY90 7P.5

TE Part #940010-000
TTVF COLOR CODING FLAGGING
PVF LABELS

TE Part #2217781-1
DIE, 4/0 COPALUM, HT 30 DEG

TE Part #2280034-1
DIE ASSY, 2/0 COPALUM 30 DEG

TE Part #615669-000
D-609-07CS2717

TE Part #CG3286-000
CI-FN7550

TE Part #CW0499-000
D-500-L458-2-4Y3-120

TE Part #ZPF000000000018223
FDBA 50-16-21 PN-K 090

TE Part #2-1879683-8
H8 205R 0.1% 50PPM

Documents

CAD Files

Customer View Model

ENG_CVM_5-1393144-6_0303.3d_igs.zip

English

Customer View Model

ENG_CVM_5-1393144-6_0303.3d_stp.zip

English

Customer View Model

ENG_CVM_5-1393144-6_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 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