

# K10P-11A15-120 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield K10

TE Internal #: 4-1393144-0

Power Relays, Industrial Panel Plug-In, Monostable, AC, 1.35 VA  
Coil Power Rating AC, 3900  $\Omega$  Coil Resistance, Potter & Brumfield  
K10

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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: **1.35 VA**

Coil Resistance: **3900  $\Omega$**

## 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 | 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 M $\Omega$ |
|-------------------------------|-----------------|

|                                   |      |
|-----------------------------------|------|
| Contact Limiting Breaking Current | 10 A |
|-----------------------------------|------|

|                      |                |
|----------------------|----------------|
| Coil Magnetic System | Monostable, AC |
|----------------------|----------------|

1 – 2 VA

|                      |         |
|----------------------|---------|
| Coil Power Rating AC | 1.35 VA |
|----------------------|---------|

|                 |               |
|-----------------|---------------|
| Coil Resistance | 3900 $\Omega$ |
|-----------------|---------------|

|                       |                            |
|-----------------------|----------------------------|
| Coil Special Features | UL Coil Insulation Class B |
|-----------------------|----------------------------|

|                     |         |
|---------------------|---------|
| Coil Voltage Rating | 120 VAC |
|---------------------|---------|



|                              |             |
|------------------------------|-------------|
| Contact Switching Load (Min) | 300mA @ 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 | 10 – 20 A, 16 A |
|-----------------------|-----------------|

|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | 15 A |
|------------------------------|------|

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

|                         |   |
|-------------------------|---|
| Contact Number of Poles | 2 |
|-------------------------|---|

|                     |                                |
|---------------------|--------------------------------|
| Relay Terminal Type | Plug-In, Quick Connect, Solder |
|---------------------|--------------------------------|

### Mechanical Attachment

|                     |        |
|---------------------|--------|
| Relay Mounting Type | Socket |
|---------------------|--------|

### 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 | Tray |
|------------------|------|

### 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: JUNE 2022  
(224)

Candidate List Declared Against: JUL 2021  
(219)

SVHC > Threshold:

Cadmium oxide (5.1% in Component Part)

**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

Low Halogen - Br, Cl, F, I < 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 # 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 # 3-1393144-3  
K10P-11AT5-120=K10/K20

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

Also in the Series | **Potter & Brumfield K10**



Power Relays(27)



Relay Accessories, Sockets & Clips(3)

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1393144-0\\_B.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1393144-0\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1393144-0\\_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, Handling, Processing, Testing and Use of Relays](#)

English