

# KU-11A31-120 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUP

TE Internal #: 9-1393109-1

Power Relays, Industrial Panel Plug-In, Monostable, AC, 2 VA Coil

Power Rating AC, 2250  $\Omega$  Coil Resistance, Potter & Brumfield KUP

[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: **[ 2 – 3 VA ]**

Coil Power Rating AC: **2 VA**

Coil Resistance: **2250  $\Omega$**

## Features

### Product Type Features

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

### Electrical Characteristics

|  |                            |
|--|----------------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 1500 – 2500 V              |
| Insulation Initial Dielectric Between Contacts & Coil      | 2200 Vrms                  |
| Actuating System   | AC                         |
| Insulation Initial Dielectric Between Open Contacts        | 1200 Vrms                  |
| Contact Limiting Making Current                            | 5 A                        |
| Contact Limiting Short-Time Current                        | 5 A                        |
| Contact Limiting Continuous Current                        | 5 A                        |
| Insulation Initial Dielectric Between Adjacent Contacts    | 2200 Vrms                  |
| Insulation Initial Resistance                              | 100 M $\Omega$             |
| Contact Limiting Breaking Current                          | 5 A                        |
| Coil Magnetic System                                       | Monostable, AC             |
|  | 2 – 3 VA                   |
| Coil Power Rating AC                                       | 2 VA                       |
| Coil Resistance  | 2250 $\Omega$              |
| Coil Special Features                                      | UL Coil Insulation Class B |
| Coil Voltage Rating  | 120 VAC                    |
| Contact Switching Load (Min)                               | 100mA @ 12V                |



Contact Voltage Rating 240 VAC

**Body Features**

Product Weight 85 g[2.988 oz]

**Contact Features**

Contact Arrangement 2 Form C (CO)

Contact Current Class 5 – 10 A, 16 A

Contact Current Rating (Max) 5 A

Contact Material Ag

Contact Number of Poles 2

Relay Terminal Type Plug-In, Quick Connect, Solder

**Mechanical Attachment**

Relay Mounting Type Panel Mount, Tapped Core

**Dimensions**

Length Class (Mechanical) 55 – 65 mm

Height Class (Mechanical) 30 – 40 mm

Width Class (Mechanical) 30 – 40 mm

Product Width 37.3 mm[1.468 in]

Product Length 60 mm[2.43 in]

Product Height 35.6 mm[1.402 in]

**Usage Conditions**

Environmental Ambient Temperature Class 50 – 70 °C

Environmental Ambient Temperature (Max) 55 °C[131 °F]

Operating Temperature Range -45 – 55 °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

EU ELV Directive 2000/53/EC Compliant

China RoHS 2 Directive MIIT Order No 32, 2016 No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006



Current ECHA Candidate List: JUNE 2023 (235)  
 Candidate List Declared Against: JUNE 2022 (224)  
 Does not contain REACH SVHC

|                           |  |
|---------------------------|--|
| Halogen Content           | Not Yet Reviewed for halogen content         |
| Solder Process Capability | Not applicable for solder process capability |

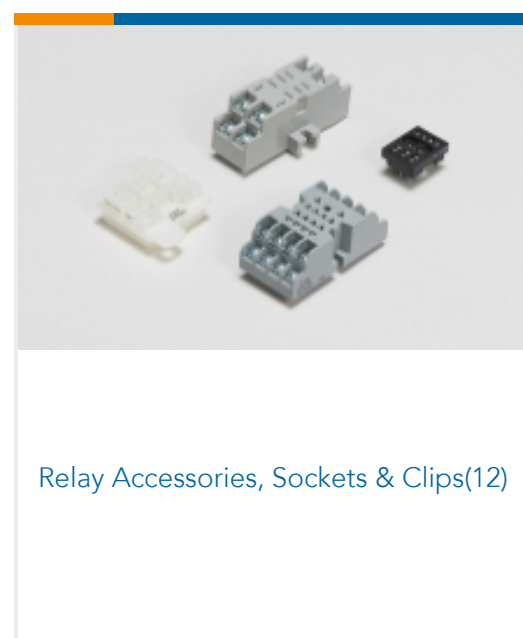
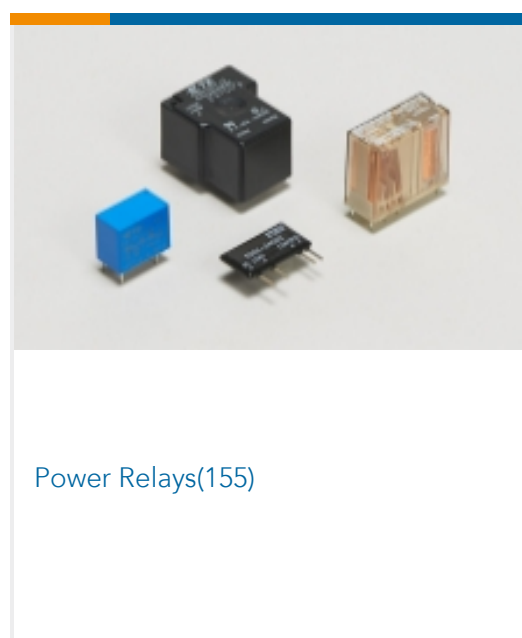
Product Compliance Disclaimer

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



## Also in the Series | Potter & Brumfield KUP



## Customers Also Bought



## Documents

### CAD Files

[3D PDF](#)

[3D](#)

**Customer View Model**

[ENG\\_CVM\\_CVM\\_9-1393109-1\\_D.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_9-1393109-1\\_D.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_9-1393109-1\\_D.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[KUP Series Panel Plug-in Relay](#)

English

### Product Specifications

[Definitions General Purpose Relays](#)

English

### Agency Approvals

[UL](#)

English